KOLAR Document ID: 1374216

Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 35386
Name: Destiny Petroleum LLC
Address 1: 1 DESTINY COVE
Address 2:
City: THE WOODLANDS State: TX Zip: 77381 + ____
Contact Person: Emad Elrafie
Phone: (281) 362-2833
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Reid McCarty
Purchaser:

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ WSW ☑ SWD
☐ Gas ☐ DH ☐ EOR
☐ OG ☐ GSW
☐ 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 EOR ☐ Conv. to SWD
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ EOR Permit #:
☐ GSW Permit #:

9/26/2017	10/5/2017	10/17/2017
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-191-22795-00-00
Spot Description: 1117 FNL 237 FEL
SE - NE - SE - NE Sec. 5 Twp. 35 S. R. 4 ☐ East ☑ West
1717 Feet from ☑ North / ☐ South Line of Section
237 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: (e.g. xx.xxxxx) , Long: (e.g. -xxx.xxxxx)
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Sumner
Lease Name: LINDA 3504 SWD Well #: 1-5
Field Name:
Producing Formation: Arbuckle
Elevation: Ground: 1199 Kelly Bushing: 1214
Total Vertical Depth: 5900 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 315 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: 11000 ppm Fluid volume: 1000 bbls
Dewatering method used: Evaporated
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: 12/05/2017
☑ **Confidential Release Date:** 12/05/2019
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☑ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 12/07/2017

Operator Name: Destiny Petroleum LLC Lease Name: LINDA 3504 SWD Well #: 1-5

Sec. 5 Twp. 35 S. R. 4 ☐ East ☑ West County: Sumner

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 *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Stalnaker	3392	-2561
Mississippi	4566	-3352
Kinderhook	4925	-3711
Arbuckle	5225	-4011

CASING RECORD ☑ New ☐ 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
Surface	12.75	9.625	36	315	Class C	155	2%CaCl-1/4 pps Celloflake
Intermediate	8.75	7.0	26	5380	50/50 Poz-H	530	See Report

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/ Injection:	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

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

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:	
		Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☑ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	5380	5900

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Destiny Petroleum LLC
Well Name	LINDA 3504 SWD 1-5
Doc ID	1374216

All Electric Logs Run

Resistivity
Neutron-Density
Microlog
Wave Sonic

Form	ACO1 - Well Completion
Operator	Destiny Petroleum LLC
Well Name	LINDA 3504 SWD 1-5
Doc ID	1374216

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.75	9.625	36	315	Class C	155	2%CaCl-1/4 pps Celloflake
Intermediate	8.75	7.0	26	5380	50/50 Poz-H	530	See Report

O-Tex Pumping, LLC

7045 N. Highway 81
Duncan, OK 73533

Invoice

Date:	Invoice #:
9/30/2017	0000034622

Phone # (580) 255-3111

Bill To	Description of Work
Destiny Petroleum 1 Destiny Cove SPRING, TX 77381	SUMNER,COUNTY KS AFE N/A API 15-191-22793-00-00 Job Type: Surface (New Well Only)

Field Receipt	Terms	Service Date	Due Date	AFE No	Lease/Well Name
SOK6353	Net 30	9/26/2017	10/30/2017	AFE N/A	LINDA 3504 1-5 SWD

Item	Description	U/M	Qty	Price Each	Amount	Disc %	Disc Amt	Net Amount
ML001	Pickup Mileage	UNTMIL	120	4.26	511.20	72.00%	-368.06	143.14
ML002	Pump Truck/Heavy Vehicle Mileage	UNTMIL	120	7.32	878.40	72.00%	-632.45	245.95
ML003	Bulk Cement Delivery/Return	MILE	448	2.95	1,321.60	72.00%	-951.55	370.05
MX001	Bulk Material Mixing Service Charge	SCF	164	3.27	536.28	72.00%	-386.12	150.16
CC001	Pump Charge 0-1000'	4-HRS	1	2,038.61	2,038.61	72.00%	-1,467.80	570.81
JM001	Data Acquisition System	JOB	1	1,437.48	1,437.48	72.00%	-1,034.99	402.49
PC003	Employee/Supervisor Retention/perdiem	PR/MAN	1	1,306.80	1,306.80	55.00%	-718.74	588.06
ML014	Fuel Surcharge	JOB	1	653.40	653.40	72.00%	-470.45	182.95
AE014	Environmental Fee*	JOB	1	228.69	228.69	72.00%	-164.66	64.03
AE007	1" to 2" valves	JOB	1	424.71	424.71	72.00%	-305.79	118.92
AE002	Cement Head with manifold	JOB	1	1,176.12	1,176.12	72.00%	-846.81	329.31
AE003	Circulation Equipment(40' of equipment)	JOB	1	1,633.50	1,633.50	72.00%	-1,176.12	457.38
CL017	9 5/8" Top Rubber Plug	EACH	1	338.80	338.80	40.00%	-135.52	203.28
CP001	C (Premium Plus Cement) (94 lbs/ft3)	94SACK	155	30.80	4,774.01	72.00%	-3,437.29	1,336.72
CP018	Calcium Chloride	LBS	292	1.22	356.24	72.00%	-256.49	99.75
CP010	Cello Flake	LBS	39	4.20	163.80	72.00%	-117.94	45.86
CP031	Sugar	LBS	50	3.39	169.50	0.00%	0.00	169.50
GS006	9 5/8" Guide Shoe	EACH	1	575.96	575.96	35.00%	-201.59	374.37
IF06	9 5/8" Flapper IFV	EACH	1	609.84	609.84	35.00%	-213.44	396.40
BCT06	9 5/8" Bow Type Centralizer	EACH	3	162.62	487.86	35.00%	-170.75	317.11
SR06	9 5/8" Stop Ring	EACH	1	74.54	74.54	35.00%	-26.09	48.45

Subtotal Amount	**********
Sales Tax	**********
Discount Amount	**********
Payment/Credit Amount	**********
Total Net Amount	**********

Contact: Reid McCarty

O-Tex Pumping, LLC

7045 N. Highway 81
Duncan, OK 73533

Invoice

Date:	Invoice #:
9/30/2017	0000034622

Phone # (580) 255-3111

Bill To	Description of Work
Destiny Petroleum 1 Destiny Cove SPRING, TX 77381	SUMNER,COUNTY KS AFE N/A API 15-191-22793-00-00 Job Type: Surface (New Well Only)

Field Receipt	Terms	Service Date	Due Date	AFE No	Lease/Well Name
SOK6353	Net 30	9/26/2017	10/30/2017	AFE N/A	LINDA 3504 1-5 SWD

Item	Description	U/M	Qty	Price Each	Amount	Disc %	Disc Amt	Net Amount

Subtotal Amount	19,697.34
Sales Tax	224.35
Discount Amount	-13,082.65
Payment/Credit Amount	0.00
Total Net Amount	6,839.04

Contact: Reid McCarty

UK

O-TEX PUMPING LLC

FIELD RECIEPT

Project Number: **SOK 6353**

Service Location Fairview, Oklahoma
Service Address 601 Industrial Blvd 73737

Phone number 580-227-2727

Service Date:	9/26/2017	**Well Name:**	Linda 3504	**JOB TYPE**	**Job Type**
Customer	Destiny Petroleum	**Well Number:**	1-5 SWD	**CASING SIZE**	**Surface**
Address:		**County:**	Sumner		**Serv. Sup.**
City		**State:**	Kansas		Daniel Wells
St		**API #**	15-191-22793-00-00		**Page 1of 1**
Customer Rep	0	**AFE #**	0		
Phone	0	**PERMIT #**		Pump 1 #	980033
				Pump 2 #	0

REF #	DESCRIPTION	U OF MEAS.	UNIT PRICE	QUAN	GROSS	%DISC	disc	NET
ML001	Pickup Mileage	per mile/ per Unit	$ 4.26	120.0	$511.20	72%	$368.06	$143.14
ML002	Pump Truck/Heavy Vehicle Mileage	per mile/ per Unit	$ 7.32	120.0	$878.40	72%	$632.45	$245.95
ML003	Bulk Cement Delivery/Return	per Ton-Mile	$ 2.95	448.0	$1,321.60	72%	$951.55	$370.05
MX001	Bulk Material Mixing Service Charge	per cuft	$ 3.27	164.0	$536.28	72%	$386.12	$150.16
CC001	Pump Charge 0-1000'	(per 4 hrs)	$ 2,038.61	1.0	$2,038.61	72%	$1,467.80	$570.81
DM001	Data Acquisition System	Per Job	$ 1,437.48	1.0	$1,437.48	72%	$1,034.99	$402.49
EC003	Employee/Supervisor Retention/perdiem	per man/per day	$ 1,306.80	1.0	$1,306.80	55%	$718.74	$588.06
ML014	Fuel Surcharge *	per unit per job	$ 653.40	1.0	$653.40	72%	$470.45	$182.95
AE014	Environmental Fee*	per job	$ 228.69	1.0	$228.69	72%	$164.66	$64.03
AE007	1" to 2" valves	per job	$ 424.71	1.0	$424.71	72%	$305.79	$118.92
AE002	Cement Head with manifold	per job	$ 1,176.12	1.0	$1,176.12	72%	$846.81	$329.31
AE003	Circulation Equipment(40' of equipment)	per job	$ 1,633.50	1.0	$1,633.50	72%	$1,176.12	$457.38
CL017	9 5/8" Top Rubber Plug	Each	$ 338.80	1.0	$338.80	40%	$135.52	$203.28
CP001	C (Premium Plus Cement) (94 lbs/ft3)	per sk	$ 30.80	155.0	$4,774.00	72%	$3,437.28	$1,336.72
CP018	Calcium Chloride	per lb	$ 1.22	292.0	$356.24	72%	$256.49	$99.75
CP010	Cello Flake	per lb	$ 4.20	39.0	$163.80	72%	$117.94	$45.86
CP031	Sugar	per lb	$ 3.39	50.0	$169.50	0%	$0.00	$169.50
GS006	9 5/8" Guide Shoe	Each	$ 575.96	1.0	$575.96	35%	$201.59	$374.37
IF06	9 5/8" Flapper IFV	Each	$ 609.84	1.0	$609.84	35%	$213.44	$396.40
BCT06	9 5/8" Bow Type Centralizer	Each	$ 162.62	3.0	$487.86	35%	$170.75	$317.11
SR06	9 5/8" Stop Ring	Each	$ 74.54	1.0	$74.54	35%	$26.09	$48.45
					$19,697.33		$13,082.63	$6,614.70

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.

Customer Authorized Agent: _____

SERVICE ORDER CONTRACT

Customer Name Destiny Petroleum Ticket Number SOK 6353

Lease & Well Number Linda 3504 1-5 SWD Date 9/26/2017

As consideration, The Above Named customer Agrees:
O-TEX Pumping L.L.C. shall not be responsible for and customer shall secure O-Tex pumping against any liability for damage to property of customer and of the well owner (if different from customer), unless caused by the willful misconduct or gross negligence of O-Tex pumping, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.

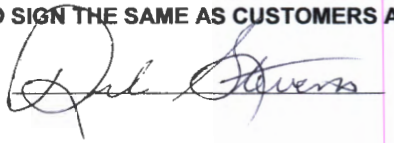
O-Tex makes no guarantee to the effectiveness of the products, supplies, or materials, nor of the results of any treatment or services. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, O-Tex personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others except where due to O-Tex gross negligence or willful misconduct in the preparation or furnishing it.

Invoices payable NET 30 days following the date on the invoice.

Upon customers default in payment of the customers account by the last day of the month following the month in which the invoice is dated. Customer agrees to pay interest thereon after at the highest lawful contract rate applicable but never to exceed 18% per annum in the event it becomes necessary to employ an attorney to enforce collection of said account. Customer agrees to pay all collection costs and attorney fees in the amount of 25% of the unpaid account.

Service order: I authorize work to begin per service instructions in accordance with terms and conditions printed on this form and represent that I have authority to accept and sign this order.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.

Customer Authorized Agent: 

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 6353	09/26/17

COUNTY	State	COMPANY	CUSTOMER REP
Sumner	Kansas	Destiny Petroleum	0

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Linda 3504	1-5 SWD	Surface	Daniel Wells

EMP NAME
Daniel Wells
Frank Fleites
Mike West
Frank Guyton

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 314

	Called Out	On Location	Job Started	Job Completed
Date	9/26/2017	9/26/2017	9/26/2017	9/26/2017
Time	0300	0700	1230	1400

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		36#	9 5/8"	Surface	314	1,500
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12¼"	Surface	315	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density 9	Lb/Gal	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal	
Spacer type	resh Wate	BBL. 20		8.33
Spacer type		BBL.		
Acid Type		Gal.	%	
Acid Type		Gal.	%	
Surfactant		Gal.	In	
NE Agent		Gal.	In	
Fluid Loss		Gal/Lb	In	
Gelling Agent		Gal/Lb	In	
Fric. Red.		Gal/Lb	In	
MISC.		Gal/Lb	In	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location

Date	Hours
9/26	7.0
Total	7.0

Operating Hours

Date	Hours
9/26	1.5
Total	1.5

Description of Job

Surface

Pressures

MAX 1,500 PSI AVG. 150

Average Rates in BPM

MAX 6 BPM AVG 2

Cement Left in Pipe

Feet 40.95' Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	155	Premium Plus (Class C)	2% Calcium Chloride - ¼ pps Celloflake	6.33	1.34	14.80

Summary

Preflush		Type:		Preflush:	BBl	20.00	Type: Fresh Water
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	7	Calc.Disp Bbl 21
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp. 21.00
Average		Bump Plug PSI:	660	Final Circ.	PSI:	200	Disp:Bbl 21.00
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	37.0	
				Total Volume	BBl	78.00	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

O-Tex / Equipment and Personnel Report

Project Number	Job Date
SOK 6353	9/26/2017

O-Tex Location	Customer	State	County
Fairview, OK	Destiny Petroleum	Kansas	Sumner

Lease Name	Well No.	O-Tex Field Supervisor	Customer Representative	Phone
Linda 3504	1-5 SWD			

Job Type	Man Hours
Surface	2

USE THIS FORM TO NOTE ANY ISSUES ENCOUNTERED WITH THE PERFORMANCE OF THIS JOB.
THIS MAY INCLUDE TIME AT THE SHOP, ON THE ROAD OR DELAYS WITH DRILLING CONTRACTOR.

EQUIP/PERSONEL	TIME	RATE	PRESS	JOB PROCEDURES
SUPERVISOR(S)	700			Arrive On Location with Rig Pulling Drill Pipe
Daniel Wells	705			Waited for rig to run casing to spot in
	1130			Spotted in and rigged up hoses,iron and standpipe
	1200			Stabbed Cement Head and made up iron loops
PUMP OPERATOR(S)	1230			Conducted Pre-Job Safety Meeting with Rig Crew,Co-Man and O-Tex Crew
Frank Fleites	1235		1500	Pressure Test Pumps and Lines to 1500psi
	1240	3.00	130	Pump 20bbls of Spacer Ahead (Fresh Water)
BULK OPERATOR(S)	1246	3.00	145	Mix and Pump 37bbls of Cement @ 14.8ppg
Mike West	1300			Shutdown Drop Plug
Frank Guyton	1302	3.50	180	Start Displacement
	1305	3.00	200	Slow Rate @ 10bbls Gone
	1310		660	Land Plug on Time 21bbls of Displacement
	1312			Release Pressure Check Floats (HELD)
	1315			Washup Pump and Rig Down
	1400			Leave Location

JOB CALCULATIONS

20bbls of Spacer (Fresh Water)
37bbls of Cement @ 14.8ppg
21bbls of Displacement

105.97psi to Land Plug
136.01psi to Lift Pipe Out of Hole
100bbls+ of Water Needed for job

CASING DATA

9 5/8" 36#
TP 314'
Shoe Joint 40.95'

ANNULAR DATA

17.5bbls Calculated to Fill Annulus
19.5bbls Calculated Cement Circulated to Surface
7bbls of cement circulated to surface.

PLEASE NOTE ANY CONTRACTOR ISSUES OR COMMENTS BELOW

Arrived On Location with Rig Pulling Drill Pipe. Waited on rig to run casing. Once ran Spotted in and rigged up. Conducted Meeting with Rig Crew, Co-Man and O-Tex Crew on job procedure. Job went according to procedure with no issues. Co-man seemed pleased with job

SERVICE COMPANY:	O-Tex Pumping	DATE RECORDED:	09/26/2017
TICKET NO:	SOK# 6353	JOB NO:	API# 15-191-22793-00-00
CUSTOMER NAME:	Destiny	UNIT DESCRIPTION:	New Serva
WELL NAME:	Linda 3504 15 SWD	UNIT NOTES:	9 5/8" Surface
WELL LOCATION:	8/35N/4W	FILE NAME:	Destiny_Linda 3504 15 SWD_17_09_26_#1.csv

O-Tex Pumping, LLC

O-Tex Pumping, LLC

Job Site Saftey Meeting Attendance Sheet

Date: 9/26/2017

Job Site Leader: Daniel Wells

Max Pressure: 1,500 PSI PSI

Company - Lease - Well #: Destiny Petroleum / Linda 3504 1-5 SWD

Ticket #: SOK 6353

	Employee Name *** Please Print ***	Employee Number	Unit Number	Trailer Number	Unit Type	Location	Company Name
1	Daniel Wells		530138		Pick-Up	Fairview,OK	O-Tex
2	Frank Fleites		880164	980033	New Serva	Fairview,OK	O-Tex
3	Mike West		880101	920035	Bulk	Fairview,OK	O-Tex
4	Frank Guyton				Extra	Fairview,OK	O-Tex
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Job Site Saftey Leader: Daniel Wells

Report all Minor Injuries, Accidents, Vehicle Accidents or Environmental Spills Immeadiately.

Job Data Sheet

O-Tex Pumping, LLC

COMPANY		PROJECT NUMBER	AFE/WORK ORDER	DATE
Destiny Petroleum		SOK 6353	0	9/26/2017
CONTRACTOR	Owner		LEGAL DESCRIPTION	API
WW Drilling #2	Same		8/35N/4W	15-191-22793-00-00
LEASE & WELL #		COUNTY	STATE	MILEAGE
Linda 3504 1-5 SWD		Sumner	Kansas	120

DIRECTIONS

CALDWELL KS - WEST ON 1ST ST TO SPRINGDALE RD - 0.5 MIES SOUTH - FOLLOW COUNTRY RD WEST & SOUTH TO ARGONIA COUNTY RD - 1 MILE NORTH - 0.5 MILES WEST - SOUTH INTO

Pumping Services

( ) H2S

Casing Size	Casing Weight	Thread	Tbng/DP Size	Thread	Plug. Cont.	Swage	Top Plug	Bottom Plug	% Excess
9 5/8"	36#	LTC			YES	YES	YES	NO	100%

Number and Type Units	Casing Depth	Hole Depth	Hole Size
Pump Truck & Bulk Materials	314'	315'	12¼"

Remarks	Est. BHST	Tubing Depth	Depth-TVD	Mud Weight/Type
	80°			

Materials

	# of Sacks	Type		Additives
LEAD	155	Premium Plus (Class C)		2% Calcium Chloride - ¼ pps Celloflake
H2O TO MIX	Weight PPG	Yield Ft3/Sk	Water Gal/Sk	
	14.80	1.34	6.33	
TAIL	# of Sacks	Type		Additives
H2O TO MIX	Weight PPG	Yield Ft3/Sk	Water Gal/Sk	
TOP OUT	# of Sacks	Type		Additives
H2O TO MIX	Weight PPG	Yield Ft3/Sk	Water Gal/Sk	
	ACID	Type		Additives
				21.1BBLS OF DISPLACEMENT (Fresh Water)
	Inhibitor	Surfactant	clay cont.	
Spacer or Flush	Quantity	Type		Additives
	20 BBL	Fresh Water		
Spacer or Flush	Quantity	Type		Additives
Other	Quantity	Type		Additives

Crew Called	Cementer	Pumper	Bulky	Bulky	Bulky
	Daniel Wells	Frank Fleites	Mike West	Frank Guyton	
CEOL	Swedge	Bale rack	Single Wing	Double Wing	Other
	9 5/8" LTC	1	1	1	

Sales Items

Casing Size	Casing Weight	Thread	
9 5/8"	36#	LTC	
Guide Shoe	Float Shoe	Float Collar	Insert Float Valve
1			1
Centralizers - Number	Size	Type	
3	12¼" x 9 5/8"	BOW	
Wall Cleaners - Number	Type	MSC (DV Tool)	MSC Plug Set
Limit Clamps	Thread lock	Other	
1			
Remarks			

Customer Rep.	Cell Phone	Office Phone	Fax	Time of Call
0	0			

Call Taken By	Date Ready	Location Time
Jared Sisco	9/26/17	7:00AM
Crew Called	Yard Time	
Daniel Wells	9/26/2017 3:00AM	

O-Tex
Pumping, LLC

Trailer Number: 880101/920035

Driver Name:

Front Pot

Cement: LEAD

155 sks

CEMENT ADDITIVES

CLASS C
2% CALCIUM
1/4 PPS FLAKE

Rear Pot

Cement: EMPTY

sks

CEMENT ADDITIVES

COMPANY: Destiny

LEASE: Linda 3504 1-5 SWD

DATE: 9/23/2017

TICKET: SOK# 6353

O-TEX Pumping, LLC
Discretionary Bonus Sheet

Field Receipt Number: SOK 6353

Date of Service: 9/26/2017

Company Name: Destiny Petroleum

Well Name: Linda 3504

Well Number: 1-5 SWD

Job Type: Surface

		Title:	Eligible for Job Bonus	If No, Reasoning
Employee:	Daniel Wells	**Supervisor**	Yes	
Employee:	Frank Fleites	**Pumpie**	Yes	
Employee:	Mike West	**Bulkie**	Yes	
Employee:	Frank Guyton	**Bulkie**	Yes	
Employee:	0.00	**Bulkie**		
Employee:				
Employee:				
Employee:				
Employee:				
Employee:				
Employee:				

Manager Signature:

O-Tex Pumping, LLC

7045 N. Highway 81
Duncan, OK 73533

Invoice

Date:	Invoice #:
10/17/2017	0000034907

Phone # (580) 255-3111

Bill To	Description of Work
Destiny Petroleum 1 Destiny Cove SPRING, TX 77381	SUMNER,COUNTY KS AFE N/A API 15-191-22793-00-00 Job Type: Intermediate

Field Receipt	Terms	Service Date	Due Date	AFE No	Lease/Well Name
SOK6385	Net 30	10/6/2017	11/16/2017	AFE N/A	LINDA 3504 1-5 SWD

Item	Description	U/M	Qty	Price Each	Amount	Disc %	Disc Amt	Net Amount
ML001	Pickup Mileage	UNTMIL	120	4.26	511.20	72.00%	-368.06	143.14
ML002	Pump Truck/Heavy Vehicle Mileage	UNTMIL	120	7.32	878.40	72.00%	-632.45	245.95
ML003	Bulk Cement Delivery/Return	MILE	1,530	2.95	4,513.50	72.00%	-3,249.72	1,263.78
MX001	Bulk Material Mixing Service Charge	SCF	575	3.27	1,880.25	72.00%	-1,353.78	526.47
CC006	Pump Charge 5001-6000'	4-HRS	1	4,671.81	4,671.81	72.00%	-3,363.70	1,308.11
JM001	Data Acquisition System	JOB	1	1,437.48	1,437.48	72.00%	-1,034.99	402.49
AE014	Environmental Fee*	JOB	1	228.69	228.69	72.00%	-164.66	64.03
PC003	Employee/Supervisor Retention/perdiem	PR/MAN	1	1,306.80	1,306.80	55.00%	-718.74	588.06
ML014	Fuel Surcharge	JOB	1	653.40	653.40	72.00%	-470.45	182.95
AE003	Circulation Equipment(40' of equipment)	JOB	1	1,633.50	1,633.50	72.00%	-1,176.12	457.38
AE002	Cement Head with manifold	JOB	1	1,176.12	1,176.12	72.00%	-846.81	329.31
AE007	1" to 2" valves	JOB	1	424.71	424.71	72.00%	-305.79	118.92
CL011	7" Top Rubber Plug	EACH	1	203.28	203.28	40.00%	-81.31	121.97
CP002	H (Premium Cement) (94 lbs/ft3)	94SACK	420	30.80	12,936.02	72.00%	-9,313.93	3,622.09
CSB002	50/50 Poz With Premium	SACK	110	22.28	2,450.80	72.00%	-1,764.58	686.22
CPC09	CF-45 Accelerator/suspending agent	LBS	790	3.39	2,678.10	72.00%	-1,928.23	749.87
CP010	Cello Flake	LBS	133	4.20	558.60	72.00%	-402.19	156.41
CP005	GEL	LBS	370	0.68	251.60	72.00%	-181.15	70.45
CP017	Gypsum (Gypsum)XPC 1,	LBS	790	1.76	1,390.40	72.00%	-1,001.09	389.31
CPC43	X-Air P (Antifoam)	LBS	18	8.80	158.40	72.00%	-114.05	44.35
CPC48	Fiber X	LBS	133	30.25	4,023.25	72.00%	-2,896.74	1,126.51
CPC40	FL-4 Fluid Loss	LBS	28	29.04	813.12	72.00%	-585.45	227.67
CP034	CF - 51 (Anti settling agent)	LBS	9	27.10	243.90	72.00%	-175.61	68.29

Subtotal Amount	**********
Sales Tax	**********
Discount Amount	**********
Payment/Credit Amount	**********
Total Net Amount	**********

Contact: Reid McCarty

O-Tex Pumping, LLC

7045 N. Highway 81
Duncan, OK 73533

Invoice

Date:	Invoice #:
10/17/2017	0000034907

Phone # (580) 255-3111

Bill To	Description of Work
Destiny Petroleum 1 Destiny Cove SPRING, TX 77381	SUMNER,COUNTY KS AFE N/A API 15-191-22793-00-00 Job Type: Intermediate

Field Receipt	Terms	Service Date	Due Date	AFE No	Lease/Well Name
SOK6385	Net 30	10/6/2017	11/16/2017	AFE N/A	LINDA 3504 1-5 SWD

Item	Description	U/M	Qty	Price Each	Amount	Disc %	Disc Amt	Net Amount
FCF03	7" Float Collar, Flapper Type	EACH	1	860.55	860.55	35.00%	-301.19	559.36
FSF03	7" Float Shoe, Flapper Type	EACH	1	697.93	697.93	35.00%	-244.28	453.65
BCT03	7" Bow Type Centralizer	EACH	10	128.74	1,287.40	35.00%	-450.59	836.81
SR03	7" Stop Ring	EACH	1	66.40	66.40	35.00%	-23.24	43.16
TLK01	Thread Lock Kit (per kit)*	EACH	1	54.21	54.21	34.99%	-18.97	35.24

Subtotal Amount	47,989.82
Sales Tax	689.35
Discount Amount	-33,167.87
Payment/Credit Amount	0.00
Total Net Amount	15,511.30

Contact: Reid McCarty

LK

O-TEX PUMPING LLC

Service Location Fairview, Oklahoma
Service Address 601 Industrial Blvd 73737

FIELD RECIEPT

Phone number 580-227-2727

Project Number: SOK 6385

Service Date: 10/6/2017
Customer Destiny Petroleum
Address:
City
St
Customer Rep 0
Phone 0

Well Name: Linda 3504
Well Number: 1-5 SWD
County: Sumner
State: Kansas
API # 15-191-22795-00-00
AFE # 0
PERMIT #

JOB TYPE Job Type Intermediate
CASING SIZE
Serv. Sup. Andrew Crawford
Page 1of 1

Pump 1 # 980028
Pump 2 # 0

REF #	DESCRIPTION	U OF MEAS.	UNIT PRICE	QUAN	GROSS	%DISC	disc	NET
ML001	Pickup Mileage	per mile/ per Unit	$ 4.26	120.0	$511.20	72%	$368.06	$143.14
ML002	Pump Truck/Heavy Vehicle Mileage	per mile/ per Unit	$ 7.32	120.0	$878.40	72%	$632.45	$245.95
ML003	Bulk Cement Delivery/Return	per Ton-Mile	$ 2.95	1,530.0	$4,513.50	72%	$3,249.72	$1,263.78
MX001	Bulk Material Mixing Service Charge	per cuft	$ 3.27	575.0	$1,880.25	72%	$1,353.78	$526.47
CC006	Pump Charge 5001-6000'	(per 4 hrs)	$ 4,671.81	1.0	$4,671.81	72%	$3,363.70	$1,308.11
JM001	Data Acquisition System	Per Job	$ 1,437.48	1.0	$1,437.48	72%	$1,034.99	$402.49
AE014	Environmental Fee*	per job	$ 228.69	1.0	$228.69	72%	$164.66	$64.03
PC003	Employee/Supervisor Retention/perdiem	per man/per day	$ 1,306.80	1.0	$1,306.80	55%	$718.74	$588.06
ML014	Fuel Surcharge *	per unit per job	$ 653.40	1.0	$653.40	72%	$470.45	$182.95
AE003	Circulation Equipment(40' of equipment)	per job	$ 1,633.50	1.0	$1,633.50	72%	$1,176.12	$457.38
AE002	Cement Head with manifold	per job	$ 1,176.12	1.0	$1,176.12	72%	$846.81	$329.31
AE007	1" to 2" valves	per job	$ 424.71	1.0	$424.71	72%	$305.79	$118.92
CL011	7" Top Rubber Plug	Each	$ 203.28	1.0	$203.28	40%	$81.31	$121.97
CP002	H (Premium Cement) (94 lbs/ft3)	per sk	$ 30.80	420.0	$12,936.00	72%	$9,313.92	$3,622.08
CSB002	50/50 Poz with Premium Class H (Includes 2%	per sk	$ 22.28	110.0	$2,450.80	72%	$1,764.58	$686.22
CPC09	CF-45 Accelerator/suspending agent	per lb	$ 3.39	790.0	$2,678.10	72%	$1,928.23	$749.87
CP010	Cello Flake	per lb	$ 4.20	133.0	$558.60	72%	$402.19	$156.41
CP005	GEL	per lb	$ 0.68	370.0	$251.60	72%	$181.15	$70.45
CP017	Gypsum (Gypsum)XPC 1,	per lb	$ 1.76	790.0	$1,390.40	72%	$1,001.09	$389.31
CPC43	X-Air (Defoamer)	per lb.	$ 8.80	18.0	$158.40	72%	$114.05	$44.35
CPC48	Fiber X (LCM)	per lb	$ 30.25	133.0	$4,023.25	72%	$2,896.74	$1,126.51
CPC40	FL-4 (Fluid Loss)	per lb	$ 29.04	28.0	$813.12	72%	$585.45	$227.67
CP034	SA-1 (Anti settling agent)	per lb	$ 27.10	9.0	$243.90	72%	$175.61	$68.29
FCF03	7" Float Collar, Flapper Type	Each	$ 860.55	1.0	$860.55	35%	$301.19	$559.36
FSF03	7" Float Shoe, Flapper Type	Each	$ 697.93	1.0	$697.93	35%	$244.28	$453.65
BCT03	7" Bow Type Centralizer	Each	$ 128.74	10.0	$1,287.40	35%	$450.59	$836.81
SR03	7" Stop Ring	Each	$ 66.40	1.0	$66.40	35%	$23.24	$43.16
TLK01	Thread Lock Kit (per kit)*	Each	$ 54.21	1.0	$54.21	35%	$18.97	$35.24
					$47,989.80		$33,167.85	$14,821.95

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.

Customer Authorized Agent: _____

SERVICE ORDER CONTRACT

Customer Name Destiny Petroleum Ticket Number SOK 6385

Lease & Well Number Linda 3504 1-5 SWD Date 10/6/2017

As consideration, The Above Named customer Agrees:
O-TEX Pumping L.L.C. shall not be responsible for and customer shall secure O-Tex pumping against any liability for damage to property of customer and of the well owner (if different from customer), unless caused by the willful misconduct or gross negligence of O-Tex pumping, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.

O-Tex makes no guarantee to the effectiveness of the products, supplies, or materials, nor of the results of any treatment or services. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, O-Tex personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others except where due to O-Tex gross negligence or willful misconduct in the preparation or furnishing it.

Invoices payable NET 30 days following the date on the invoice.

Upon customers default in payment of the customers account by the last day of the month following the month in which the invoice is dated. Customer agrees to pay interest thereon after at the highest lawful contract rate applicable but never to exceed 18% per annum in the event it becomes necessary to employ an attorney to enforce collection of said account. Customer agrees to pay all collection costs and attorney fees in the amount of 25% of the unpaid account.

Service order: I authorize work to begin per service instructions in accordance with terms and conditions printed on this form and represent that I have authority to accept and sign this order.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.

Customer Authorized Agent: _____

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 6385	10/06/17

COUNTY	State	COMPANY	CUSTOMER REP
Sumner	Kansas	Destiny Petroleum	0

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Linda 3504	1-5 SWD	Intermediate	Andrew Crawford

EMP NAME							
Andrew Crawford		0					
Jared Green							
Ruben Gomez							
Mike Orange							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 138° Pressure _____

Retainer Depth _____ Total Depth 5380

	Called Out	On Location	Job Started	Job Completed
Date	10/6/2017	10/16/2017	10/6/2017	10/6/2017
Time	0001	0400	0830	2300

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	26#	7"		Surface		5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8¾"		Surface	5,400	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density 9	Lb/Gal	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal	
Spacer type	resh Wate	BBL. 20		8.33
Spacer type	Caustic	BBL. 10		8.40
Acid Type		Gal.	%	
Acid Type		Gal.	%	
Surfactant		Gal.	In	
NE Agent		Gal.	In	
Fluid Loss		Gal/Lb	In	
Gelling Agent		Gal/Lb	In	
Fric. Red.		Gal/Lb	In	
MISC.		Gal/Lb	In	

Perfpac Balls _____ Qty. _____

Other

Other

Other

Other

Other

Hours On Location

Date	Hours
10/16	7.0
Total	7.0

Operating Hours

Date	Hours
10/6	2.5
Total	2.5

Description of Job

Intermediate

Pressures

MAX 5,000 PSI AVG.

Average Rates in BPM

MAX 8 BPM AVG

Cement Left in Pipe

Feet 41.11' Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	420	Premium H	2% Gypsum - 2% C-45 - ¼ pps Celloflake - ¼ pps Fiber X	17.84	2.89	11.40
2	110	50/50 Poz Premium	4% Gel - 0.3% FL-4 - 0.1% SA-1 - 0.2% X-Air - ¼ pps Celloflake - ¼ pps Fib	6.47	1.38	13.80
3	0	0	TAKE 70# FIBER X (50# IN LEAD, 20# IN TAIL)	0.00	0.00	0.00

Summary

Preflush	10	Type:	Caustic	Preflush: BBl	30.00	Type:	Fresh Water
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn: Gal - BBl	N/A	Pad:Bbl -Gal	N/A
		Lost Returns-N	NO/FULL	Excess /Return BBl	N/A	Calc.Disp Bbl	204
		Actual TOC		Calc. TOC:	Surface	Actual Disp.	204.00
Average		Bump Plug PSI:	1,300	Final Circ. PSI:	620	Disp:Bbl	
ISIP _____	5 Min. _____	10 Min. _____	15 Min. _____	Cement Slurry: BBl	243.2		
				Total Volume BBl	477.22		

CUSTOMER REPRESENTATIVE _____ SIGNATURE

O-Tex / Equipment and Personnel Report

Project Number	Job Date
SOK 6385	10/6/2017

O-Tex Location	Customer	State	County
Fairview, OK	Destiny Petroleum	Kansas	Sumner

Lease Name	Well No.	O-Tex Field Supervisor	Customer Representative	Phone
Linda 3504	1-5 SWD	Andrew Crawford		

Job Type	Man Hours
Intermediate	

USE THIS FORM TO NOTE ANY ISSUES ENCOUNTERED WITH THE PERFORMANCE OF THIS JOB.
THIS MAY INCLUDE TIME AT THE SHOP, ON THE ROAD OR DELAYS WITH DRILLING CONTRACTOR.

EQUIP/PERSONEL	TIME	RATE	PRESS	JOB PROCEDURES
SUPERVISOR(S)	100			Arrive At Yard
Andrew Crawford	130			Pre-departure Saftey Meeting
	400			Arrived On Location
	400			Rig Up
	430			Wait on Rig To Run Casing
PUMP OPERATOR(S)	830			Saftey Meeting
Jared Green	840		5,000	Pressure Test 5,000 Psi
	841	6.00	667	Pump 50 BBLS OF Fresh water Spacer
	848	6.00	560	25 BBLS Gone
BULK OPERATOR(S)	850	6.00	250	50 BBLS Gone
Mike Orange	854	7.00	250	Pump 216 BBLS Of Lead Cement Slurry @ 11.4
Ruben Gomez	858	7.00	255	20 BBLS Gone
	901	7.00	267	40 BBLS Gone
	904	7.00	278	60 BBLS GONe
	909	7.00	300	80 BBLS Gone
	912	7.00	274	100 BBLS GONe
	914	7.00	263	120 BBLS Gone
	916	7.00	300	140 BBLS Gone
	918	7.00	250	160 BBLs GONe
	920	7.00	256	180 BBLS GONe
	923	7.00	279	200 BBLS GONe
	928	7.00	270	216 BBLs GONe
	928	7.00	140	Pump 27 BBLS Of Tail @ 13.8
	930	7.00	156	15 BBLS Gone
	939			Shut Down Drop Plug
	939	7.00	171	Displace 204 BBLS
	943	7.00	220	20 BBLS Gone
	946	7.00	211	40 BBLS Gone
	949	7.00	174	60 BBLS GONe
	952	7.00	324	80 BBLS Gone
	955	7.00	430	100 BBLS GONe
	958	7.00	450	120 BBLS Gone
	1004	7.00	550	160 BBLs GONe
	1008	7.00	886	180 BBLS GONe
	1009	3.00	500	190 BBLS Gone Slowed to 3 BBLS/MIN To Land The Plug
	1011	3.00	510	200 BBLS GONe
	1013	3.00	620	204 BBLS Gone
	1013		1300	Land Plug @ 1300 Psi
	1016			Check Floats (Held) 1/2 BBLS Back

JOB CALCULATIONS

Lead Cement: Premium H, 420 Sks, 216.18 BBLS, 2.89 FT3/SK, 17.84 GAL/SK,178.4 BBLS Water Req 11.4 PPG
Tail Cement: Premium Plus (Class C), 110 SKS, 27.04 BBLS, 1.38 FT3/SK, 6.47 GAL/SKS, 16.95 BBLS Req13.8 PPG
Water Req: 449 BBLs, Lead 178.4 BBL, Tail 16.95 BBLS, Spacer 50 bbls , Displacement 204 BBLS
Displacement: 204 BBLS, Total Casing Capacity of 205.49, With A Shoe Track Capacity of 1.67 BBLS

CASING DATA

Total Pipe: 5379.5' of 7" 26 LB J-55 LTC With a Capacity Factor of .0382 BBL/FT With A Total Capacity of 205.49 BBLS
Shoe Track 41.11' of 7" J-55 LTC Capacity Factor of .0382 BBL/FT With A Total Capacity of 1.67 BBLS
7" 26 LB J-55 LTC Collapse Resistance: 4320PSI, Burst: 4980 PSI

ANNULAR DATA

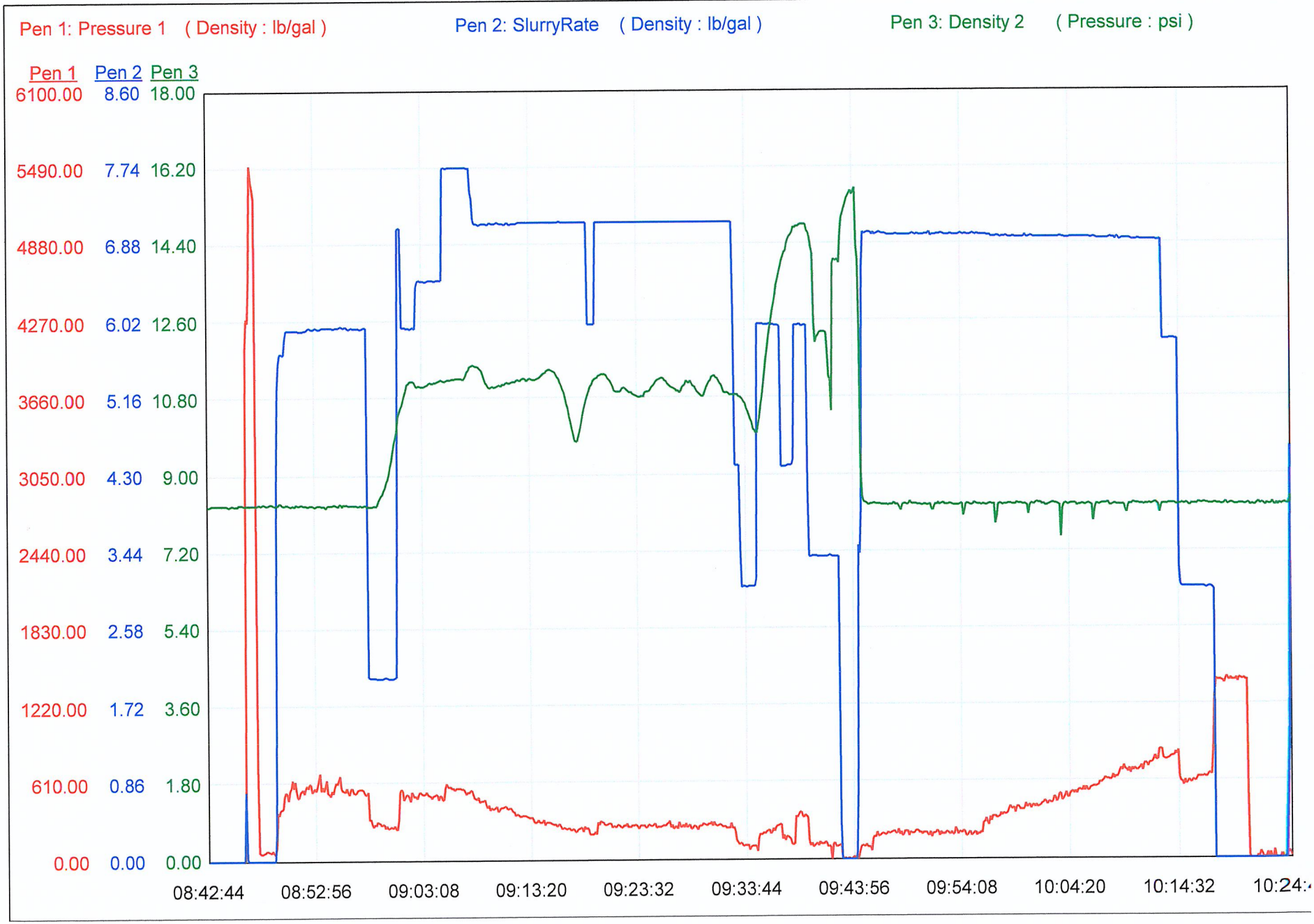
5379.5' of Annular with A V&H Factor of 0.0268 BBL/FT With A Capacity of 144.17 BBLS
Height of Tail: 946.64' Top Of Tail: 4432.86'
Height OF Lead 5379.5' Top Of Lead 0'

PLEASE NOTE ANY CONTRACTOR ISSUES OR COMMENTS BELOW

Arrived on location to the rig having 17 joints of casing to run meet with the company man got numbers and went
over Procedure once agreed rigged up and waited on rig to run casing once rig finished we had a saftey meeting
and began running the job as procribed by the job data sheet we ran a 50 bbls water spacer followed by 216 BBLS of
Lead cement Slurry @ 11.4 PPG followed by 27 bbls of Tail Cement Slurry @ 13.8 PPG Shut Down Dropped the plug and
Displaced 204 BBls Of Fresh water Landed the Plug 1,000 Psi Over lift Pressure for a total pressure of (1300) PSI
Checked Floats (Held) (1/2) BBLS Back Rigged Down and Left Location

SERVICE COMPANY:	O-Tex Pumping LLC	DATE RECORDED:	10/06/2017
TICKET NO:	Sok# 6385	JOB NO:	15-191-22795-00-00
CUSTOMER NAME:	Destiny Petroleum	UNIT DESCRIPTION:	Cab Unit
WELL NAME:	Linda 3504 15 SWD	UNIT NOTES:	7" Intermediate
WELL LOCATION:	5/35S/4W	FILE NAME:	Destiny Petroleum_Linda 3504 15 SWD_17_10_06_#1.csv

O-Tex Pumping, L



O-Tex Pumping, LLC

Job Site Saftey Meeting Attendance Sheet

Date: 10/6/2017

Job Site Leader: *Andrew Crawford*

Max Pressure: 5,000 psi PSI

Company - Lease - Well #: Destiny Petroleum / Linda 3504 1-5 SWD

Ticket #: SOK 6385

	Employee Name *** Please Print ***	Employee Number	Unit Number	Trailer Number	Unit Type	Location	Company Name
1	Andrew Crawford		530154		Pickup	Fairveiw OK	O-Tex Pumping LLC
2	Jared Green		880137	980028	Cab Unit	Fairveiw OK	O-Tex Pumping LLC
3	Ruben Gomez		880101	920035	Bulk	Fairveiw OK	O-Tex Pumping LLC
4	Mike Orange		748079	920078	Bulk	Fairveiw OK	O-Tex Pumping LLC
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Job Site Saftey Leader: Andrew Crawford

Report all Minor Injuries, Accidents, Vehicle Accidents or Environmental Spills Immeadiately.

O - Tex Pumping LLC.

Job Safety Analysis (JSA) Form 1-A

Attachment 1-A This risk analysis checklist shall be used to identify potential hazards associated with a task and *must* be accompanied by Form ***1-B***.

Date	10/6/2017	**Job Number**	SOK 6385
Supervisor	Andrew Crawford	**O-Tex Location**	Fairview, OK
Customer	Destiny Petroleum	**Well Name & Number**	Linda 3504 1-5 SWD
Job Type / Description of Work	Intermediate	**"CHECK YOUR IRON INSPECTION DATE"**	
Nearest Hospital		**Emergency Contact Number**	
Emergency Muster Point #1		**Emergency Muster Point #2**	

Safety Equipment (PPE) Required For Job

Hard Hat	Gloves	Safety Chains	Wheel Chocks
Steel Toe Boots	Hearing Protection	Lifting Strap	First Aid Kit
Safety Glasses	Safety Harness	Fire Extinguisher	MSDS
FR Clothing	Tag Line	Ground Static Cable	Other

Pre-Job Hazard Assessment

Access/Exit -Location, Equipment, Rig	Y	N
Driving/Moving Equipment	Y	
Barricades/Boundaries Indicated	Y	
Safe Line of Travel	Y	
Over Head Obstacles	Y	
Restricted Areas	Y	
Walkway/Work Areas Assessed	Y	
Ladder/Stair/Platform Hand Rails	Y	
Secure Footing/Hand placement	Y	
Designated Smoking Area	Y	
Designated Muster Points	Y	
Evacuation Routes Indicated	Y	

Body Position / Movement	Y	N
Climbing	Y	
Walking	Y	
Crawling	Y	
Stretching	Y	
Reaching	Y	
Over Extending	Y	
Bending/Twisting	Y	
Hand Placement	Y	
Pushing/Pulling	Y	
Lifting/Carrying	Y	
Hearing Protection Required	Y	

Lifting/ Lowering/Moving	Y	N
Manual Lifting	Y	
Mechanical Lifting	Y	
Body Positioning	Y	
Slip/Trip Potential	Y	
Team/Group Lifting	Y	
Tag Lines	Y	
Load Securement	Y	
Proper Rigging Practices	Y	
Over Head Lifting	Y	
Condition of Straps/Chains	Y	

Working Hazards	Y	N
Proper Tool Use/Maintenance	Y	
Mechanical Equipment	Y	
Pinch Points	Y	
Hand/Body Hazards	Y	
Hot/Cold Surfaces	Y	
Inadequate Lighting	Y	
Third Party Operations -	Y	
Welding,Tankers,Rig Hands, etc	Y	
Proper Container Labels/Placement	Y	
Adverse Environmental Conditions	Y	

Simultaneous Operations	Y	N
Are simultaneous operations occurring on site?		N
Have all other operations been notified of work to be performed?		N
Working in close proximity to other operations		N

Special Working Conditions	Y	N
Is Lifting permit required		N
Is Hot Work permit required		N
Is Confined Space permit required		N
Is H2S present		N
Other adverse well conditions		N

Environmental Conditions

Complexity of Work	Y	N
Standard/Routine operation	Y	
Non-typical/Somewhat advanced		N
Very complex/non-standard operation		N
Work Area		
Open	Y	
Tight		N
Congested		N

Location	Y	N
Wet / Mud	Y	
Snow covered / Ice		N
Poor lighting / Visibility		N
Excessive obstacles		N

Weather	Y	N
Normal	Y	
Severe (Lightening/Hail/etc.)		N
Excessive tepm. (Hot/Cold)		N
Windy		N
Rain or snow		N
Day time	Y	
Night time	Y	

Other Service Companies/Third Party Hands Involved: _____

Crew Members, Company Representatives & Third Party Signatures (Use back of page as needed)

Print	Sign	Print	Sign
Andrew Crawford			
Jared Green			
Ruben Gomez			
Mike Orange			

I have personally inspected the worksite & confirm that it is safe for the work described (To be completed by job supervisor or field supervisor)

Authorized Signature: _____ **Print Name:** Andrew Crawford

O -Tex Pumping LLC

Form 1-B

Job Safety Analysis Worksheet		DATE:	10/6/2017
LEASE NAME AND JOB TYPE:	Destiny Petroleum Linda 3504 1-5 SWD Intermediate	JOB NUMBER:	SOK 6385
EMPLOYEE NAME AND JOB TITLE:	Supervisor Andrew Crawford	**"HAS YOUR IRON BEEN INSPECTED RECENTLY?"**	

PERSONAL PROTECTIVE EQUIPMENT RECOMMENDED OR REQUIRED:

Hard Hat - Safety Toe Shoes/Boots - Safety Glasses - FR Apparel (worn on outer most layer) - Gloves - Hearing Protection

SEQUENCE OF BASIC JOB STEPS	POTENTIAL ACCIDENTS OR HAZARDS	RECOMMENDED SAFE JOB PROCEDURES
LOCATION HAZARD ASSESMENT / SITE WALK AROUND	Slips, Trips, Falls - Driving or walking obstructions - Environmental conditions (Ice, snow, mud, water, etc.) - Emergency evacuation route.	Hold Pre Rig Up Safety meeting to discuss hazards. Be cautious of your surroundings. Avoid cluttered work/walk areas. Practice good "house keeping" in work areas. Keep walking and emergency routes clear of obstruction.
SPOT EQUIPMENT	Over head obstructions - Running into or over unseen persons/items - Blind backing of equipment - Improper equipment placement	ALWAYS use designated spotters when moving any vehicle. Do not move equipment before a walk around. Do not spot equipment near high risk areas. Do not obstruct evacuation route or road ways. Remember to chock vehicle wheels and set fire extinguishers one equipment is parked.
RIGGING UP IRON AND HOSES	Slips, trips, falls - Pinching, smashing, or crushing of body parts - Lifting injuries - Un safe condition of, or incorrect use of tools.	Keep work area as clean as reasonable. Avoid carrying hardware through hazardous walking conditions. ALWAYS team lift to avoid un necessary strains. Be continuously aware of pinch points/body placement. Use the proper tool for the job. Do not use excessively worn or damaged tools.
RIGGING UP IRON AND HOSES (Cont'd)	Iron inspection up to date	Inspect tag on iron to assure the inspection date is within the last 12 months
RAISING AND LOWERING HARDWARE AND EQUIPMENT TO RIG FLOOR	Falling or unsecured loads - Pinching or crushing injury - Damaged lifting equipment	Do not walk or work under any elevated load. Always inspect lifting straps, cables, hooks, etc. before and after use. Discard damaged items. Use a tag line when possible to control movement of lifted items. Be aware of body placement/pinch points in relation to moving lifted objects. Always ensure load is secure. Never leave lifted load unattended.
CASING / WELL CONNECTIONS	Body placement - Congested work area - Raising/lowering items - Well control conditions	If working on rig floor, be cautious of slippery conditions (drilling mud, ice, etc.). Before removing any casing/well connections, ensure all pressure is released. When making a casing connection, watch pinch points. Use extra care when hoisting cement head onto casing. When working in cellar, have a spotter. Obey the same rules as on floor. Be cautious of poor footing, difficult walking or standing conditions.
PRE JOB SAFETY MEETING	All potential job related hazards	Conduct a pre job safety meeting with rig crew and any other 3rd party contractors on location involved with the task at hand. Discuss operation procedures and safety hazards involved with pressure pumping operations. Set up a contingency plan incase of emergency, including muster points, first aid, safety vehicles, nearest hospital, safety contacts, etc.
PRESSURE TESTING LINES AND HARDWARE	High Pressure - Loose connections - Lines separating - Hardware blow outs	Ensure ALL personnel are aware of testing operations. Clear everyone from working area. Keep open and clear communication while testing. Before beginning test, move all personnel to a safe zone at reasonable distance from iron and hardware. Do not attempt to access or repair any issues while equipment is under pressure. Confirm release of ALL pressure before continuing any operations.
FLUID PUMPING	Blow outs - Hardware failure - Improper valve operations - Leaks or spills	Always be aware of your self and those around you. Do not interact with the iron while pumps are in operation. If you see an issue, make all personnel aware and stop operations before attempting corrections. Double check all valve positions and function. Be aware of what is being pumped and its direction of flow. Report and identify any spills immediately.
WASHING UP / FLUID DISPOSAL	Loose connections - Lines blowing out of wash up tank - leaks/spills - Pumping into wrong disposal container - Over flowing pits	Have someone visually inspect lines and hardware before and during clean up. Check valve placement and fluid flow to ensure all are going in the proper direction. Make sure connection at disposal container is secure. Stop operation immediately and report to supervisor if a leak or spill occurs.
RIGGING DOWN THE JOB	Slips, trips, falls - Pinching, smashing, or crushing of body parts - Lifting injuries - Un safe condition of, or incorrect use of tools.	Keep work area as clean as reasonable. Avoid carrying hardware through hazardous walking conditions. ALWAYS team lift to avoid un necessary strains. Be continuously aware of pinch points/body placement. Use the proper tool for the job. Do not use excessively worn or damaged tools.
EXITING LOCATION AFTER JOB	Over head obstructions - Running into or over unseen persons/items - Blind backing of equipment - Improper equipment placement	Use a spotter when moving equipment. Do not move vehicles until you have completed a walk around. Be aware of direction travel and any obstacles along the way. Do NOT rush. Before leaving location, ensure good "house keeping" procedures. Clean any trash or unused items from work zone. Report and tend to any spills or damages that may occurred during operations.

Any and ALL personnel retain the right to "STOP JOB AUTHORITY". This means that it is not only your right, but your responsibility to warn others of any situation that you find to be a potential safety hazard. You have the right to request the shut down of operations at any time you see the safety of yourself or your fellow workers in jeopardy. It is the responsibility of everyone on location to ensure a safe, successful job and work environment. Safety first.

Cementing and *Pump Down* Equipment Checklist

Cover Sheet

- *This checklist is to be completed by the pump operator before every job.*
- *Failure to complete, print, sign, and date will result in forfeit of that day's job bonus.*
- *This will be in addition to regular truck report write ups.*
- *This will be performed on your currently assigned pumps regardless of maintenance status.*
- *The equipment not currently assigned to a crew will be the responsibility of **management** to ensure that the inspection is done by the correct date.*
- *This is not optional and will be an additional form of quality control for our equipment to ensure that our customers are receiving the best service we can provide.*

Date: 10-6-2017 Destiny 6385 7"

Printed Name: Jared Green

Unit Number: 930028

I verify that the information provided is true to the best of my knowledge.

Signature: [signature]

1. *Pump Truck/Iron Trailer Connection and High Pressure Iron: Condition and Inventory*

☑ All loose iron is currently up to date on certification. (One year from the date on the band) If no, flag the iron and remove from service immediately.

☑ All high pressure iron swivel points have been greased or rebuilt depending on flexibility.

☑ All 1x2 and 2x2 plug valves have been greased and are in good working condition. (Any seized valves have been rebuilt or taken out of service.)

☑ Hammer union wing condition is acceptable or has been grinded, replaced, or taken out of service. (High pressure iron and water connections)

☑ 1502 high pressure iron inventory

Single wing chicsans: 7

Steel hoses: N/A

Double wing chicsans: 3

15' Long joints: 6

10' Joints: 3

8' Joints: N/A

5' Joints: 5

Tees, 90° connections, double wings, double threads, etc. etc.

Fitting for frac Tank.

☑ Water and auxiliary connections inventory (at least two of each)

45°-4" water connections: 1

90°-4" water connections: 2

4" Double thread: 2

4" Double wing: 2

4" Tank Swages: 2

4" water tees: 2

4" butterfly valve: N/A

Transport swages with camlock connections: 2

Inline Flowmeters: N/A

Misc. connections not listed above:

Tubing swedges Wash up hoses

☑ 4" hoses have been visually inspected for damage on hose body and crimped ends. (Bad hoses have been removed from service.)
Yes

2. *Deck engine/Hydraulic engine fluid level and leak inspection.*

☑ Hydraulic Engine: All fluids are filled to the specified operating levels.

☑ All hydraulic lines and hoses have been inspected for leaks, frays, visible wires, and 'rub points'. (Rub points should be booted to prevent damage.)

☑ B & C side deck engines: All fluids are filled to the specified operating levels.

☑ Transmission fluids have been checked ***after*** transmissions have been warmed to operating temperature.

☑ All engines, transmissions, radiators have been visually inspected for leaks and reported to appropriate maintenance personnel.

☑ Triplex power end oil levels have been checked and a sample has been taken to an appropriate member of maintenance for quality inspection. No Sample on location

3. *Centrifugal pumps (Check if Applicable)*

- ☑ All centrifugal pumps have been greased using handheld grease gun. (3-4 pumps per grease zerk.)
- ☑ All drain valves located at the bottom of the volutes are clear and working properly.
- ☑ Hydraulic motors for all centrifugal pumps are free of leaks or damaged lines.
- ☑ Centrifugal pump hydraulic pressure gauges are all working and gauge glass is clear.

4. *Operator's platform, inventory tanks, mixing head and mixing tub. (Check if Applicable)*

- ☑ Console is clean and free of trash.
- ☑ All gauges are working and site glass is clean.
- ☑ Allen Bradley or Frac control screen is clean and working properly.
- N/A ☐ Hydraulic levers are tightened and working properly.
- ☑ Analog pressure gauges are zeroed and working properly.
- ☑ Engine throttle controls are working properly.
- N/A ☐ Console lid is stable and stays open without assistance.
- ☑ Inventory tanks are clean and clear of trash.
- ☑ Water fill valves are easy to operate.
- ☑ Suction valves open and close properly.
- ☑ Cement head wings are acceptable. (Hammer wings have been grinded or replaced.)
- ☑ Mixing head vacuum breakers are in good condition.
- ☑ Cement control valves open and close properly. Cement head is clearly numbered to indicate the valve position.
- ☑ Mixing tub water valve has been greased and is easy to operate.
- N/A ☐ Defoamer lines and valves are secure and working properly.
- N/A ☐ Defoamer tanks and non-stick tanks are working properly.
- ☑ De-aerator and witches hat is clean of cement buildup. Fins at the bottom of de-aerator are clear of obstruction. No witches hat cab.
- ☑ Cement tub has minimal cement buildup on walls and zero buildup on bottom of tub.
- ☑ All recirculating valves and lines are clear and working properly.

- ☑ Hydraulic agitators are working properly.
- ☑ Spillway from tub to averaging tank is clear and operational when needed.
- ☑ Averaging tank is clean and clear of trash.
- ☑ Operator's platform is clean and organized. Tripping hazards are minimized. All lose items are secured to the pump.
- ☑ Packing lube grease system is cycling every 6 minutes and delivering grease properly. (No visible leaks)

5. *System prime up and test.* *(Check if Applicable)*

- ☑ Engines running and all hydraulics functioning properly.
- ☑ System air pressure staying at 120psi.
- ☑ No air leaks from Clippard valves on operator's console.
- ☑ All air actuated valves are opening/closing and functional.
- ☑ Powerend lube pressure is within operating ranges.
- ☑ Operator displays booting and functioning properly.
- ☑ 'C' pump and mix water centrifugal pulling water into truck properly. Hydraulic PSI is within acceptable ranges; pumps not surging, caveating, or leaking.
- ☑ Water is circulating through bleed off/prime up line properly. Hydraulic PSI is within acceptable ranges; pumps not surging, caveating, or leaking.
- ☑ Inventory tanks are recirculating properly. Water can be transferred from tank-to-tank and tank-to-tub using the inside water valve.
- ☑ Water flowing into mix tub without restriction. Water jets are clean and working properly.
- ☑ Mix tub recirculating pump working properly. Hydraulic PSI is within acceptable ranges; pumps not surging, caveating, or leaking.
- ☑ Micro-motion density on Allen Bradley and field monitors are reading proper water weight. (8.33ppg)
- ☑ Recirculating jets inside cement mixing bowl are clean and flowing properly. Strong vacuum is being pulled when circulating tub.
- ☑ Pumps are priming up properly coming from inventory tanks and pumping from mix tub-to-inventory tanks. (Noticeable flow rate and pressure increases/decreases depending on gear and throttle selection.)

- ☑ Communications hardware connecting to supervisor's laptop both wired and wireless.
- ☑ Averaging tank suction valves are clear and working properly. (Able to pump from averaging tanks to inventory tanks.)
- ☑ Both triplex pumps prime up properly with charge pressure. Pumps not surging, caveating, or leaking.
- ☑ Both triplex pumps prime up properly while pumping through front suction manifold. (Shorts) Pumps not surging, caveating, or leaking.
- ☑ Walk around outside of pump trailer shows no visible leaks of any kinds. (Any leaks have been reported to appropriate member of maintenance/management.)
- ☑ System pressure tested and any pressure loss is noted and reported.
  - Pressure to 1000psi. Hold for 5 minutes. PSI loss N/A
  - Pressure to 2500psi. Hold for 5 minutes. PSI loss N/A
  - Pressure to 5000psi. Hold for 5 minutes. PSI loss N/A

6. *Monthly pump inspection conclusion.*

- ☑ List any maintenance issues not included in the checklist below. Make sure to report any problems to the appropriate members of management/maintenance.

No Issues

Everyone returns everything to pump truck and trailer

Job Data Sheet

O-Tex Pumping, LLC

COMPANY		PROJECT NUMBER	AFE/WORK ORDER	DATE
Destiny Petroleum		SOK 6385	0	10/6/2017
CONTRACTOR	Owner		LEGAL DESCRIPTION	API
WW Drilling 14	Same		5/35S/4W	15-191-22795-00-00
LEASE & WELL #		COUNTY	STATE	MILEAGE
Linda 3504 1-5 SWD		Sumner	Kansas	120

DIRECTIONS

CALDWELL KS - WEST ON 1ST AVE TO SPRINDALE RD - 0.5 MILES SOUTH - FOLLOWING COUNTY RD WEST AND SOUTH TO ARGONIA RD - 1 MILE NORTH - 1/5 MILE WEST - SOUTH INTO

Pumping Services

( ) H2S

Casing Size	Casing Weight	Thread	Tbng/DP Size	Thread	Plug. Cont.	Swage	Top Plug	Bottom Plug	% Excess
7"	26#	LTC			YES	YES	YES	NO	40%

Number and Type Units	Casing Depth	Hole Depth	Hole Size
Pump Truck & Bulk Materials	5,380	5,400	8¾"

Remarks	Est. BHST	KOP	Depth-TVD	Mud Weight/Type
	138°			9.2ppg WBM

Materials

	# of Sacks	Type		Additives
LEAD 216.18	420	Premium H		2% Gypsum - 2% C-45 - ¼ pps Celloflake - ¼ pps Fiber X
H2O TO MIX 178.40	Weight PPG	Yield Ft3/Sk	Water Gal/Sk	
	11.40	2.89	17.84	
TAIL 27.04	110	50/50 Poz Premium		4% Gel - 0.3% FL-4 - 0.1% SA-1 - 0.2% X-Air - ¼ pps Celloflake - ¼ pps Fiber X
H2O TO MIX 16.95	13.80	1.38	6.47	
	# of Sacks	Type		Additives
	Weight PPG	Yield Ft3/Sk	Water Gal/Sk	TAKE 70# FIBER X (50# IN LEAD, 20# IN TAIL)
	ACID	Type		Additives
	Inhibitor	Surfactant	clay cont.	
Spacer or Flush	Quantity 50 bbls	Type Fresh Water		Additives
Spacer or Flush	Quantity	Type		Additives
Displace	Quantity 204 BBLS	Type Fresh Water		Additives

Crew Called

Cementer	Pumper	Bulky	Bulky	Bulky
Andrew Crawford	Jared Green	Ruben Gomez	Mike Orange	

CEOL

Swedge	Bale rack	Single Wing	Double Wing	Other
7" LTC	1	1	1	BRING IRON IN

Sales Items

Casing Size	Casing Weight	Thread	
7"	26#	LTC	
Guide Shoe	Float Shoe	Float Collar	Insert Float Valve
	1	1	
Centralizers - Number	Size	Type	
10	7" x 8¾"	Bow	
Wall Cleaners - Number	Type	MSC (DV Tool)	MSC Plug Set
Limit Clamps	Thread lock	Other	
1	1		

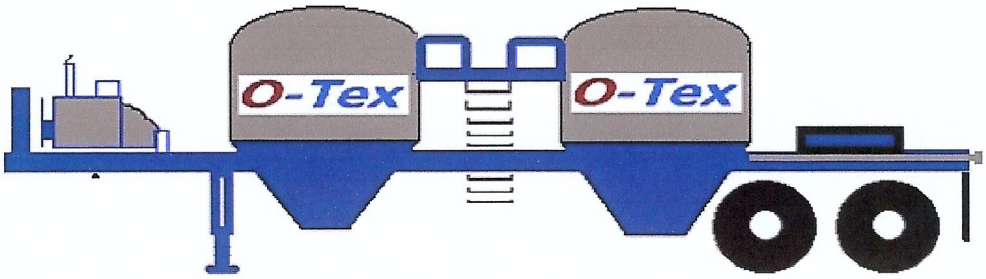
Remarks

Customer Rep.	Cell Phone	Office Phone	Fax	Time of Call
0	0			

Call Taken By	Date Ready	Location Time
Charles Spracklen	10/6/17	10/6/17 0400

Crew Called	Yard Time
Andrew Crawford	10/6/17 1200

O-Tex
Pumping, LLC



Trailer Number: 749079/920078

Driver Name: _____

Front Pot

Cement: Tail

110 sks

CEMENT ADDITIVES

50/50 Class H/Poz
4% Gel
.3% FI-40
.1% SA-1
.2% X-Air
.25# CelloFlake
.125# Fiber-X

Rear Pot

Cement: Empty

_____ sks

CEMENT ADDITIVES

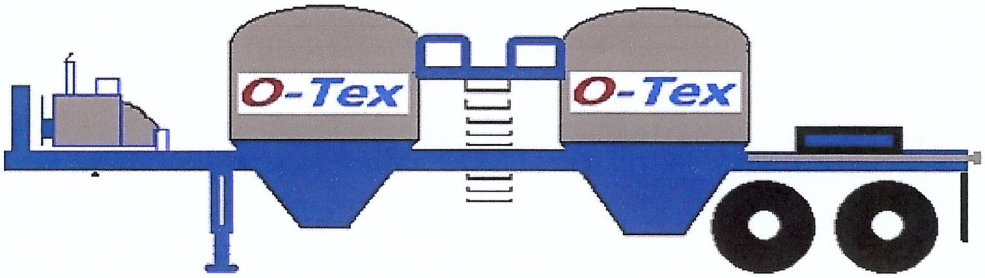
COMPANY: Destiny

LEASE: Linda 3504 1-5 SWD

DATE: 10/5/2017

TICKET: SOK#6358

O-Tex
Pumping, LLC



Trailer Number: 880101/920035

Driver Name: _____

Front Pot

Cement: Lead

210 sks

CEMENT ADDITIVES

Class H
2% Gypsum
2% C-45
.25# CelloFlake
.125# Fiber-X

Rear Pot

Cement: Lead

210 sks

CEMENT ADDITIVES

Class H
2% Gypsum
2% C-45
.25# CelloFlake
.125# Fiber-X

COMPANY: Destiny

DATE: 10/5/2017

LEASE: Linda 3504 1-5 SWD

TICKET: SOK#6358

API No.
15-191-22795-00-00
OTC/OCC Operator No.
0

CEMENTING REPORT
To Accompany Completion Report

Form 1002C
Rev. 1996

OKLAHOMA CORPORATION COMMISSION
Oil & Gas Conservation Division
Post Office Box 52000-2000
Oklahoma City, Oklahoma 73152-2000
OAC 165:10-3-4(h)

All operators must include this form when submitting the Completion Report, (Form 1002A). The signature on this statement must be that of qualified employees of the cementing company and operator to demonstrate compliance with OAC 165:10-3-4(h). It may be advisable to take a copy of this form to location when cementing work is performed.

TYPE OR USE BLACK INK ONLY

*Field Name: 0				OCC District
*Operator: Destiny Petroleum				OCC/OTC Operator No: 0
*Well Name/No.: Linda 3504 1-5 SWD				County: Sumner
*Location: 1/4 1/4 1/4 1/4	Sec: 5	Twp: 35S	Rge: 4W	

Cement Casing Data	Conductor Casing	Surface Casing	Alternative Casing	Intermediate Casing	Production String	Liner
Cementing Date				10/6/2017		
*Size of Drill Bit (Inches)				8¾"		
*Estimated % wash or hole enlargement used in calculations				40%		
*Size of Casing (inches O.D.)				7"		
*Top of Liner (if liner used) (ft.)				N/A		
*Setting Depth of Casing (ft.) from ground level				5379.5		
Type of Cement (API Class) In first (lead) or only slurry				Premium H		
In second slurry				50/50 Poz Premium		
In third slurry				N/A		
Sacks of Cement Used In first (lead) or only slurry				420		
In second slurry				110		
In third slurry				N/A		
Vol of slurry pumped (Cu ft)(14.X15.) in first (lead) or only slurry				1213.8		
In second slurry				151.8		
In third slurry				N/A		
Calculated Annular Height of Cement behind Pipe (ft)				Surface		
Cement left in pipe (ft)				41		

*Amount of Surface Casing Required (from Form 1000) ft.

*Was cement circulated to Ground Surface? ☐ Yes ☑ No	*Was Cement Staging Tool (DV Tool) used? ☐ Yes ☑ No
*Was Cement Bond Log run? ☐ Yes ☑ No (If so, Attach Copy)	*If Yes, at what depth? ft

CEMENTING COMPANY AND OPERATOR MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE OF FORM

* Designates items to be completed by Operator.
Items **not** so designated shall be completed by the Cementing Company.

Remarks

Cement #1: Premium H: 2% Gypsum - 2% C-45 - ¼ pps Celloflake - ¼ pps Fiber X * Cement # 2: 50/50 Poz Premium: 4% Gel - 0.3% FL-4 - 0.1% SA-1 - 0.2% X-Air - ¼ pps Celloflake - ¼ pps Fiber X * Cement #3: 0: TAKE 70# FIBER X (50# IN LEAD, 20# IN TAIL) * Cement #4: : * Cement #5: :

*Remarks

CEMENTING COMPANY

I declare under applicable Corporation Commission rule, that I am authorized to make this certification, that the cementing of casing in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct and complete to the best of my knowledge. This certification covers cementing data only.

Signature of Cementer or Authorized Representative

OPERATOR

I declare under applicable Corporation Commission rule, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct and complete to the best of my knowledge. This certification covers all well data and information presented herein.

Signature of Operator or Authorized Representative

Name & Title Printed or Typed	*Name & Title Printed or Typed
Andrew Crawford	
O-TEX Pumping LLC	*Operator
Address: 7303 N. Hwy 81	*Address
City: Duncan	*City
State: OK / Zip: 73533	*State / *Zip
Telephone (AC) Number: 580-251-9919	*Telephone (AC) Number
Date: October 6, 2017	*Date

INSTRUCTIONS

1. A) This form shall be filed by the operator, at the O.C.C. office in Oklahoma City, as an attachment to the Completion Report (Form 1002A) for a producing well or a dry hole.
   B) An original of this form shall be filed as an attachment to the Completion Report, (Form 1002A), for each cementing company used on a well.
   C) The cementing of different casing strings on a well by one cementing company may be consolidated on one form.
2. Cementing Company and Operator shall comply with the applicable portions of OAC 165:10-3-4(h).
3. Set surface casing 50 feet below depth of treatable water to be protected and cement from casing shoe to ground surface or as allowed by OAC 165:10-3-4(h).
4. **IF SETTING ANYTHING OTHER THAN THE FULL AMOUNT OF SURFACE CASING, BE SURE TO FOLLOW CORPORATION COMMISSION RULES.**

Toledo Mudlogging, Inc.
866-463-5600 ★ Many, LA
www.toledomudlogging.com

P. O. Box 1209
MANY LA, 71449
(318)-590-9755
FAX (318)590-9754

5 INCHES PER 100 FT

COMPANY: DESTINY PETROLUEM
WELL: LINDA 3504SWD 1-5
FIELD: CALDWELL COUNTY: SUMMER STATE: KANSAS
LOCATION: SEC-5-35S-4W

Interval Logged: 2500' To: 5900' G.L.: K.B:
Date Logged: 9/27/2017 To: 10/7/2017 Spud Date: 9/25/2017
Rig: WW DRILLING RIG 14 Unit No.: 148
Loggers: D.MITCHELL/ G .FOLTZ
Api No.: 15-191-22794-01-00
Filename: linda_3504_swd_1-5.mlw
Geologist: REID McCARTHY

Created By MainLog

Abbreviations:

NB...New Bit	DST...Drill Stem Test
CO...Circ Out	DS...Directional Survey
NR...No Returns	CG...Connection gas
TG...Trip Gas	LAT...Logged After Trip
WOB...Wt on Bit	PP...Pump Pressure
RPM...Rev/Min	SPM...Strokes/Min
SG...Survey Gas	DTG...Down Time Gas

Mud Data

WT..Weight	V..Viscosity
PH..Acidity	F..Filtrate
CHL..Chlorides	SC..Solids Content

Lithology Symbols:

Anhydrite	Salt	Granite
Siltstone	Chert	Sandstone
Dolomite	Conglomerate	Limestone
Coal	Shale	Bentonite
Carb Shale	Granite Wash	Quartz Wash
Red Sh	Org Sh	Green Sh
Cust Sh1	Cust Sh2	Cust Sh3
Cust Sh4	Cust Sh5	Cust Sh6

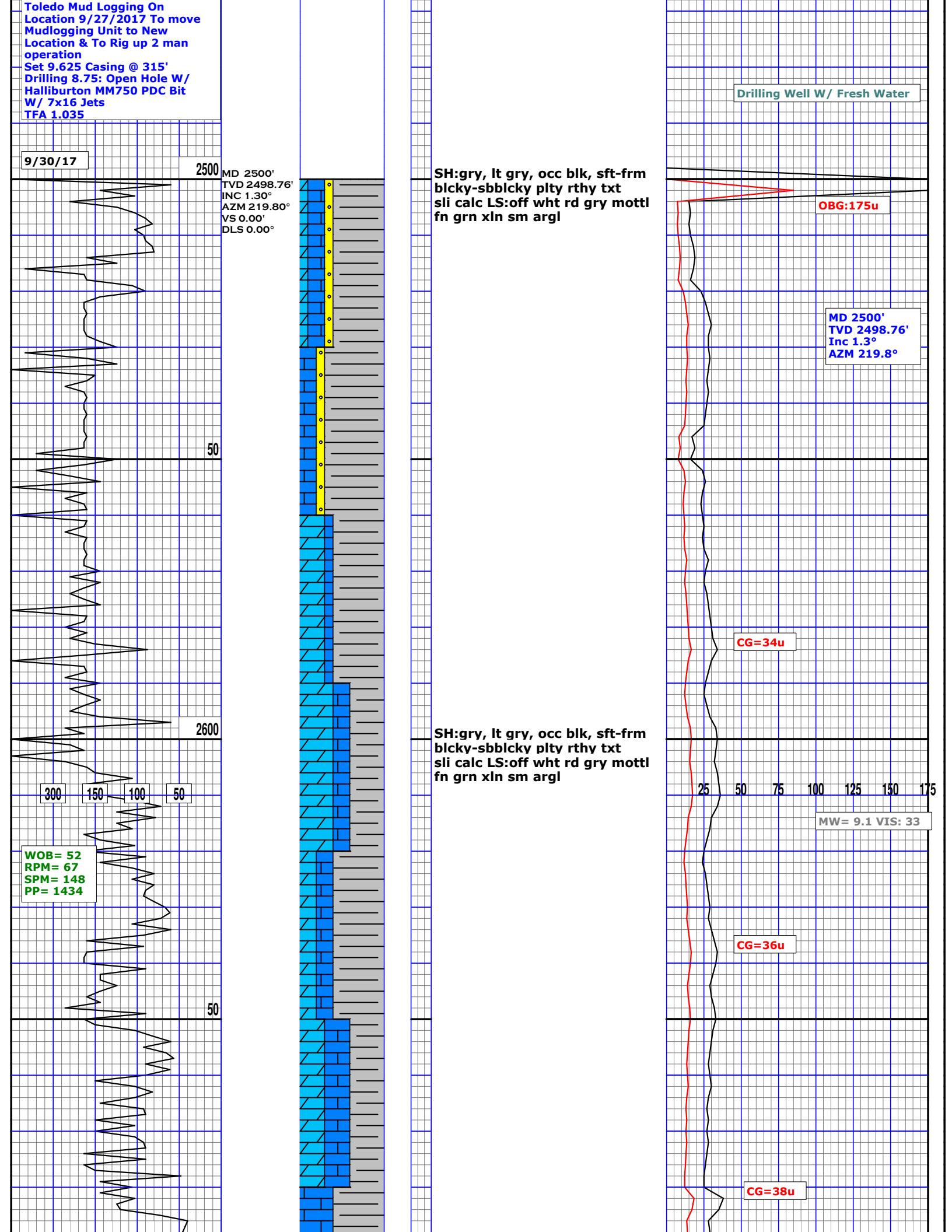
Accessories

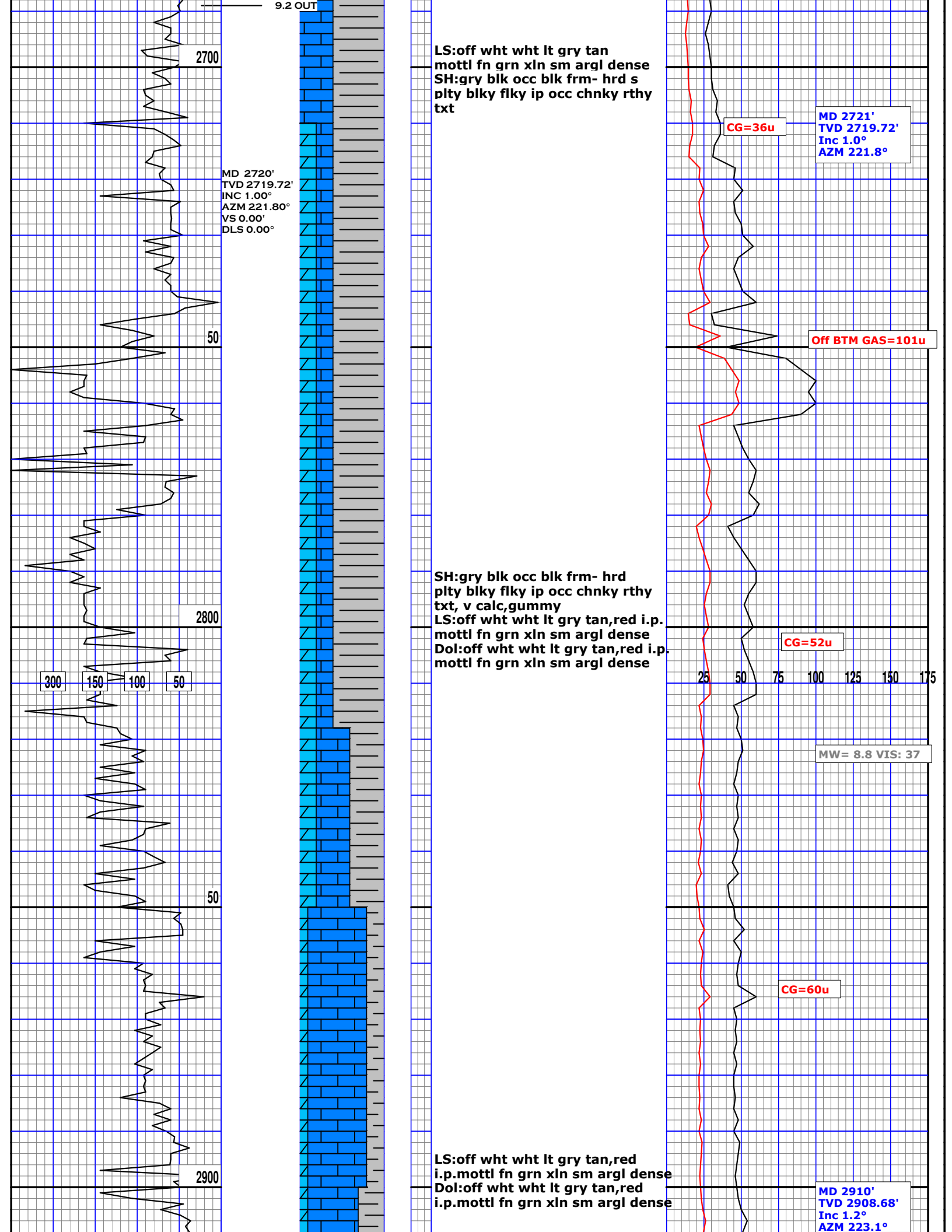
Glauconite, Pyrite, Fossils, Oolites, Fractures, Cement

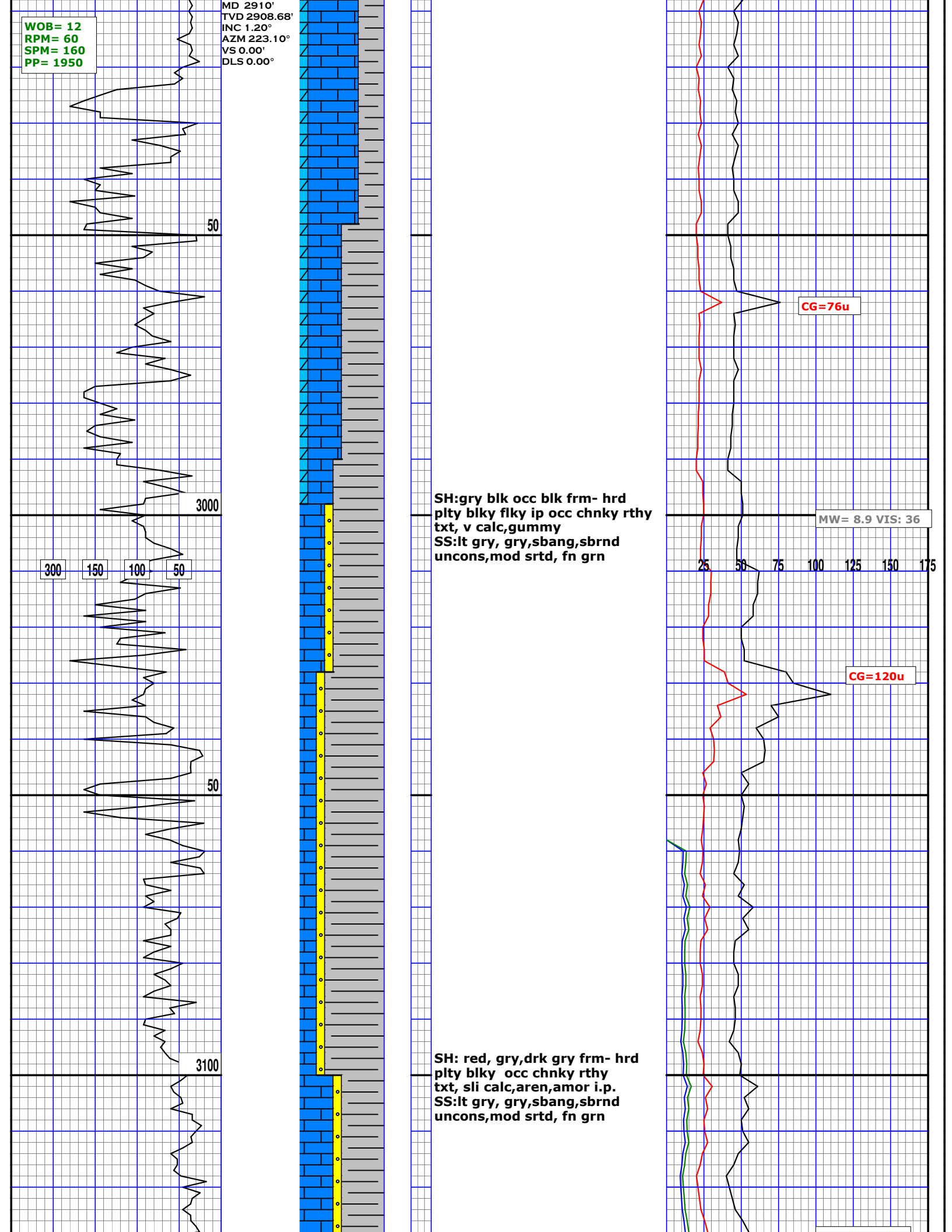
Gas Chromatograph Analysis:

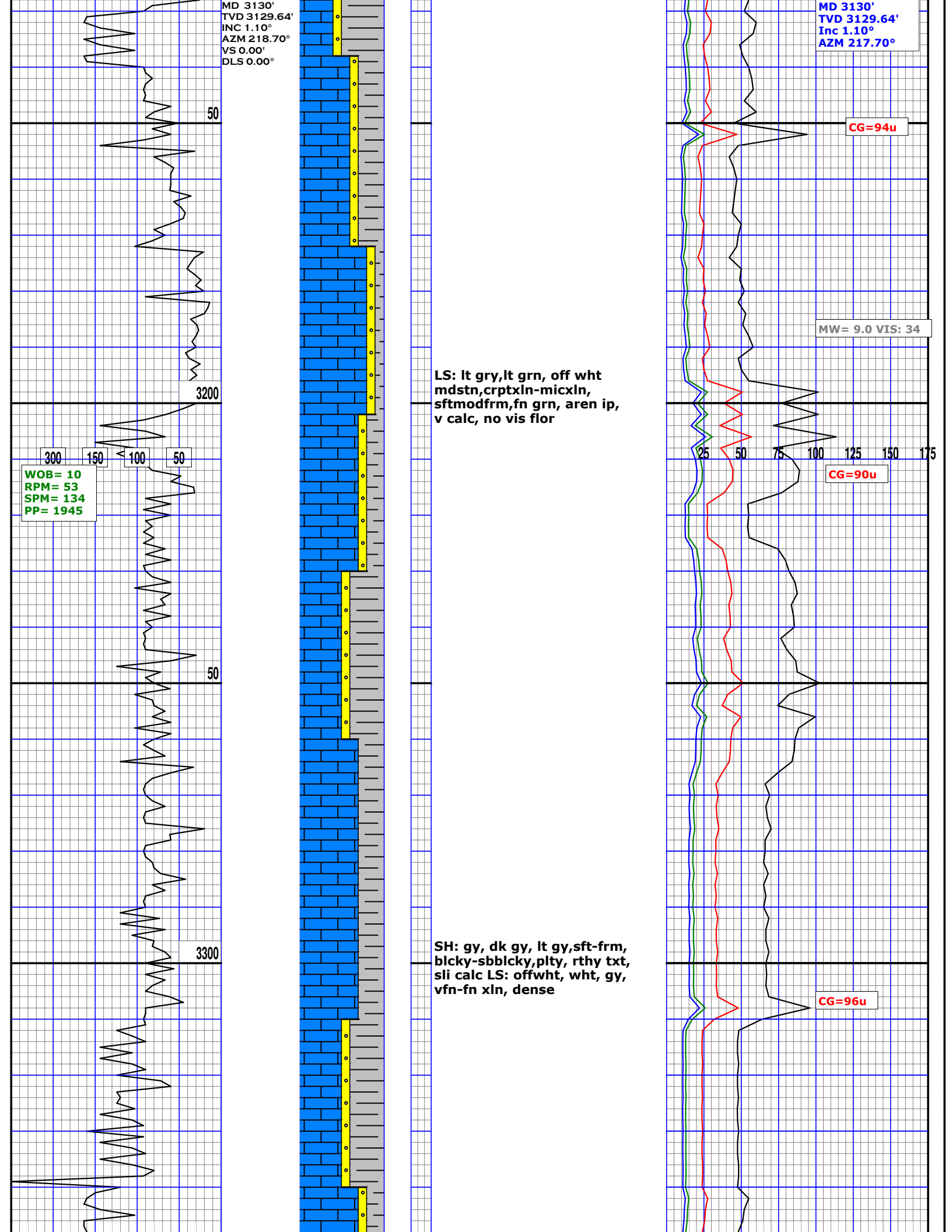
TG, C1, C2, C3, IC4, NC4, IC5, NC5

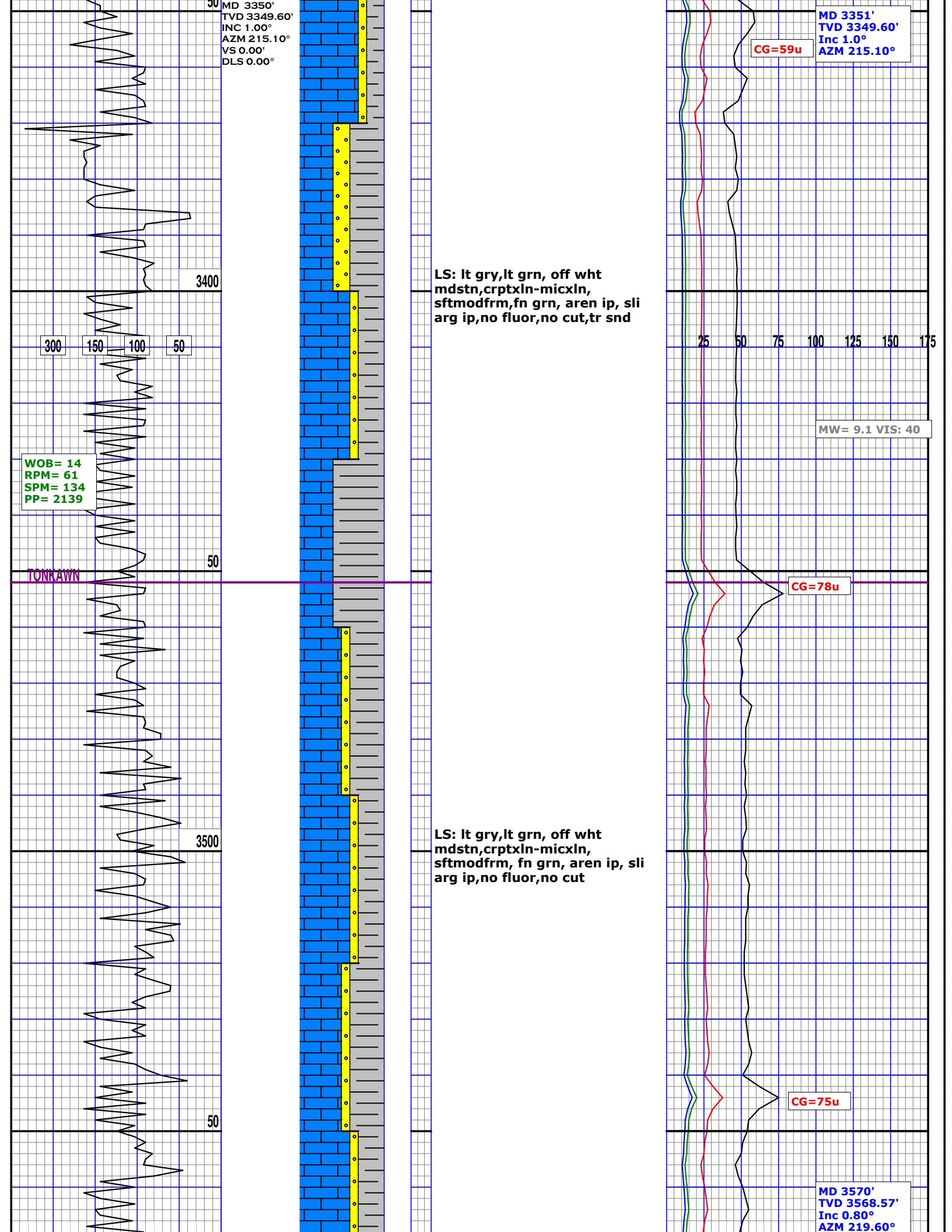
Drilling Rate FT/HR	Vis Por Tr / p f g	Lithology	% Oil Flu Tr / p f g	Cut Tr / pfg	Descriptions/Remarks	Total Gas/Chromatograph
300 150 100 50						25 50 75 100 125 150 175 100 Units= 1% Methane

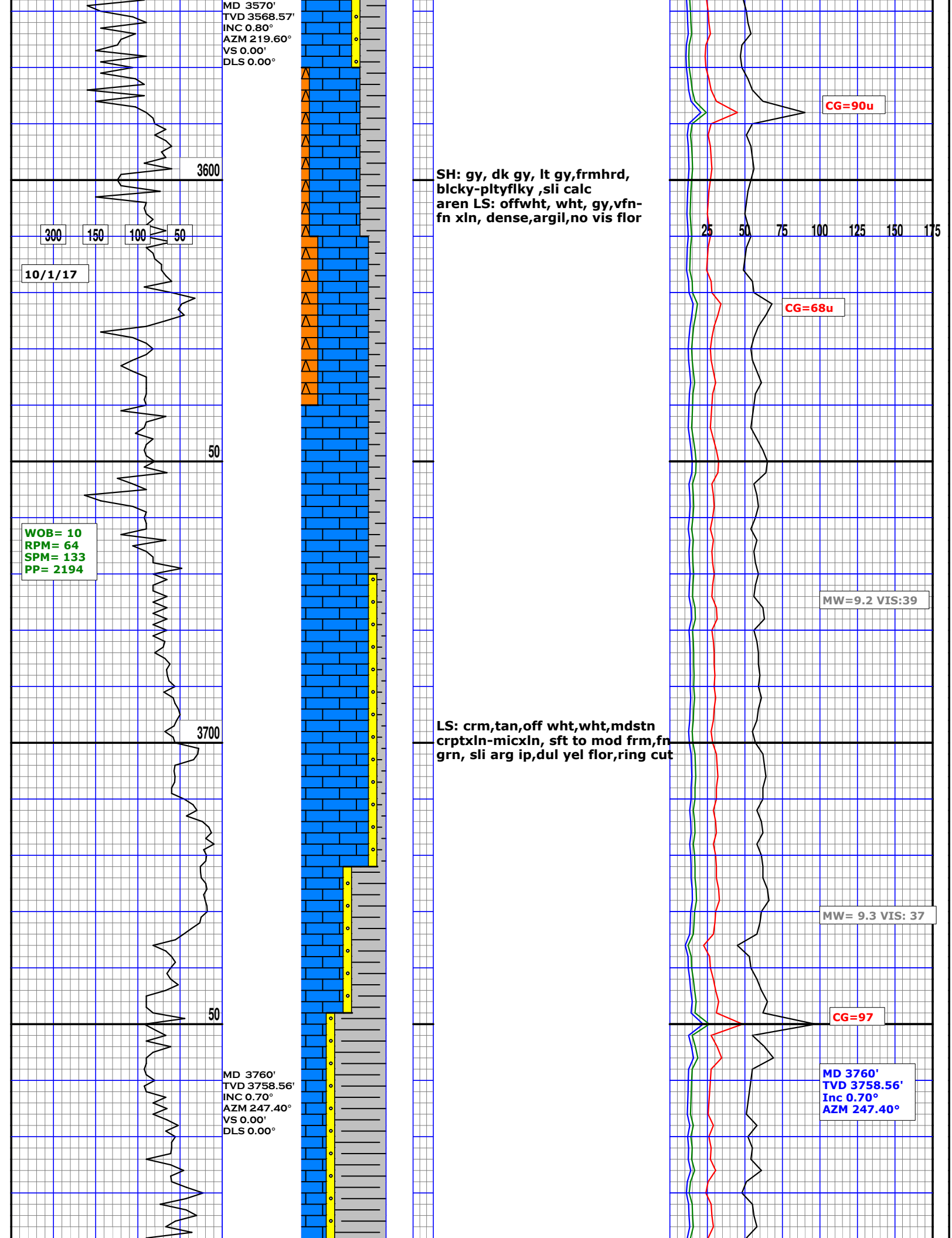

Toledo Mud Logging On Location 9/27/2017 To move Mudlogging Unit to New Location & To Rig up 2 man operation
Set 9.625 Casing @ 315'
Drilling 8.75: Open Hole W/ Halliburton MM750 PDC Bit W/ 7x16 Jets
TFA 1.035
9/30/17
2500
MD 2500'
TVD 2498.76'
INC 1.30°
AZM 219.80°
VS 0.00'
DLS 0.00°
50
2600
300
150
100
50
WOB= 52
RPM= 67
SPM= 148
PP= 1434
50
SH:gry, lt gry, occ blk, sft-frm blcky-sbblcky plty rthy txt sli calc LS:off wht rd gry mottl fn grn xln sm argl
SH:gry, lt gry, occ blk, sft-frm blcky-sbblcky plty rthy txt sli calc LS:off wht rd gry mottl fn grn xln sm argl
Drilling Well W/ Fresh Water
OBG:175u
MD 2500'
TVD 2498.76'
Inc 1.3°
AZM 219.8°
CG=34u
25
50
75
100
125
150
175
MW= 9.1 VIS: 33
CG=36u
CG=38u

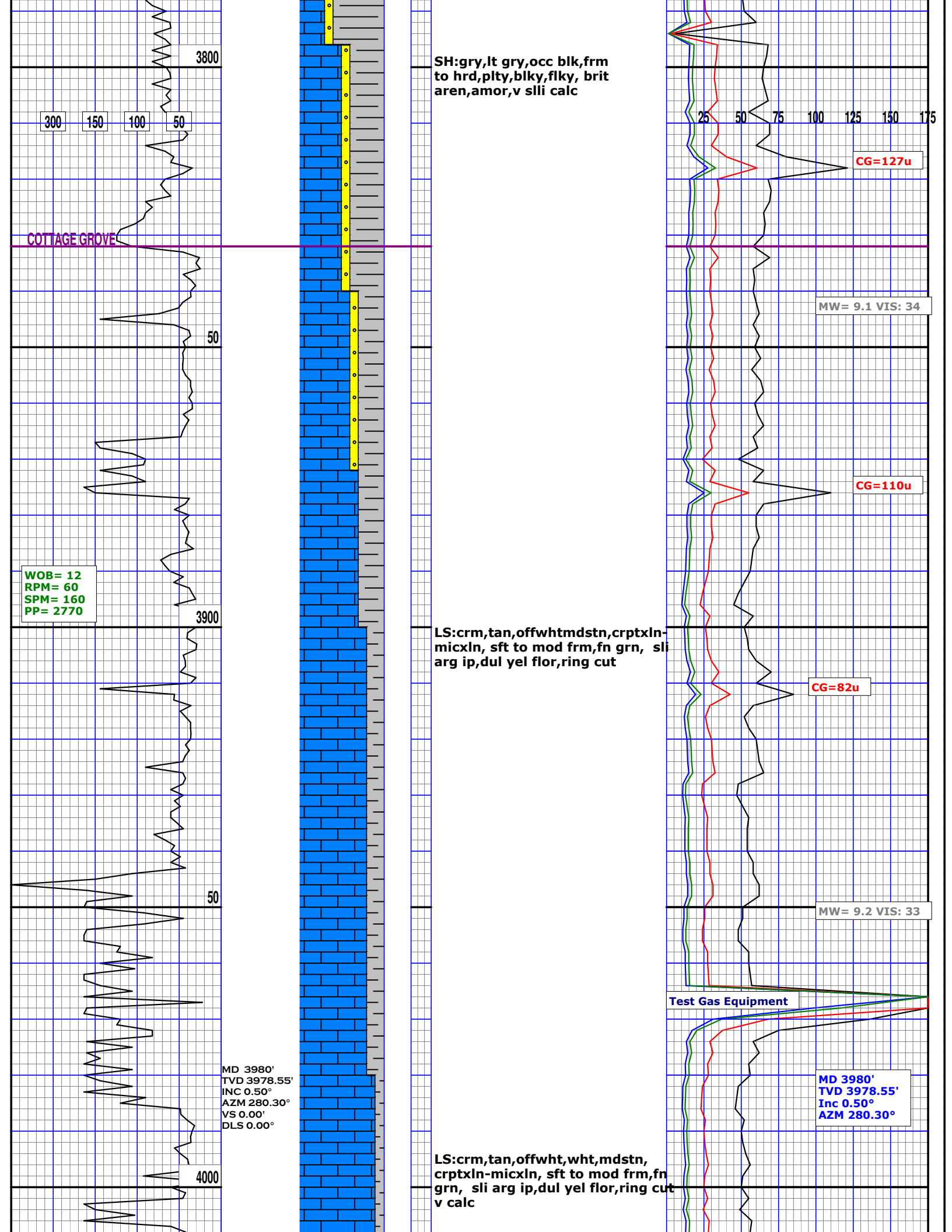

9.2 OUT
2700
MD 2720'
TVD 2719.72'
INC 1.00°
AZM 221.80°
VS 0.00'
DLS 0.00°
50
2800
300
150
100
50
50
2900
LS:off wht wht lt gry tan mottl fn grn xln sm argl dense
SH:gry blk occ blk frm- hrd s plty blky flky ip occ chnky rthy txt
CG=36u
MD 2721'
TVD 2719.72'
Inc 1.0°
AZM 221.8°
Off BTM GAS=101u
SH:gry blk occ blk frm- hrd plty blky flky ip occ chnky rthy txt, v calc,gummy
LS:off wht wht lt gry tan,red i.p. mottl fn grn xln sm argl dense
Dol:off wht wht lt gry tan,red i.p. mottl fn grn xln sm argl dense
CG=52u
25
50
75
100
125
150
175
MW= 8.8 VIS: 37
CG=60u
LS:off wht wht lt gry tan,red i.p.mottl fn grn xln sm argl dense
Dol:off wht wht lt gry tan,red i.p.mottl fn grn xln sm argl dense
MD 2910'
TVD 2908.68'
Inc 1.2°
AZM 223.1°

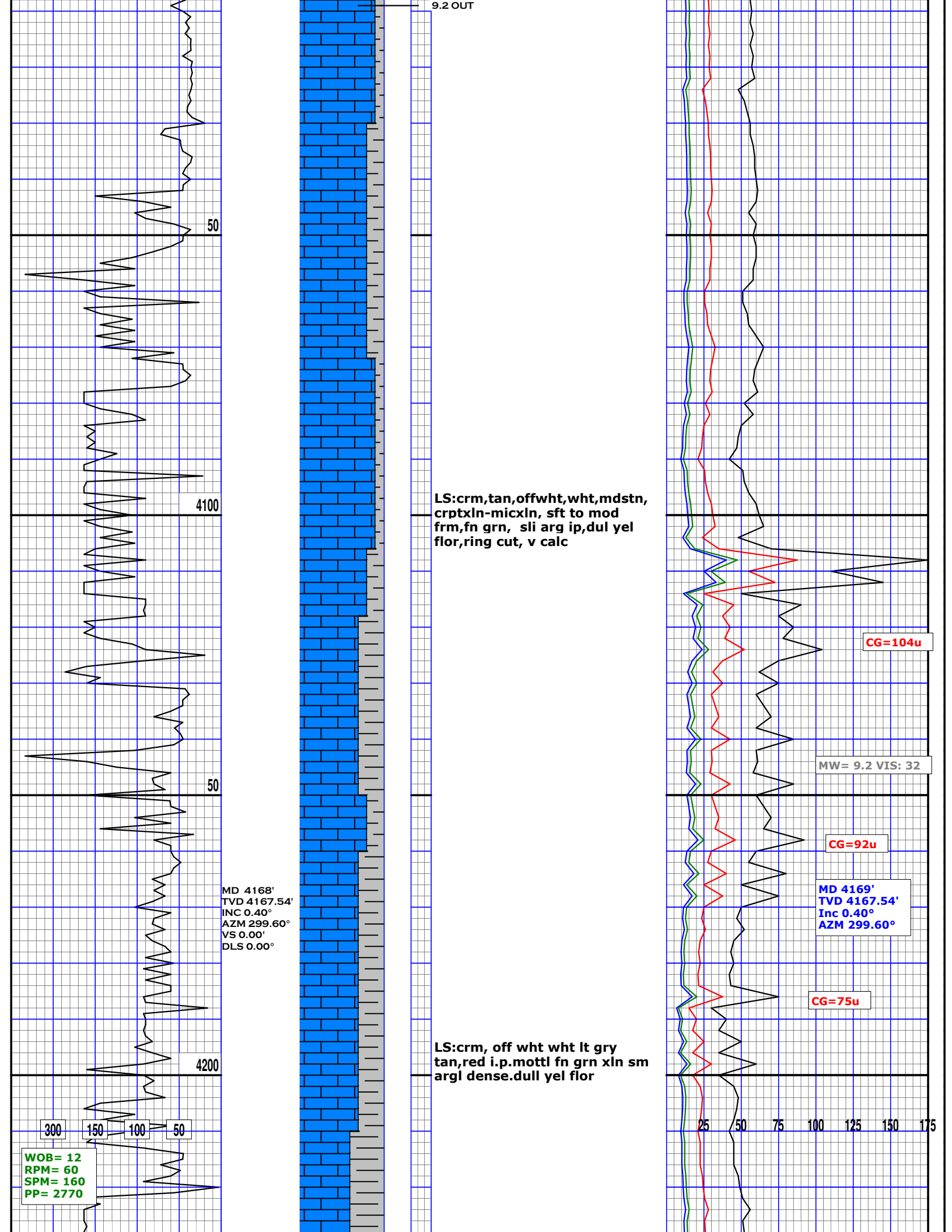

WOB= 12
RPM= 60
SPM= 160
PP= 1950
MD 2910'
TVD 2908.68'
INC 1.20°
AZM 223.10°
VS 0.00'
DLS 0.00°
50
3000
300
150
100
50
50
3100
SH:gry blk occ blk frm- hrd
plty blky flky ip occ chnky rthy
txt, v calc,gummy
SS:lt gry, gry,sbang,sbrnd
uncons,mod srtd, fn grn
CG=76u
MW= 8.9 VIS: 36
25
50
75
100
125
150
175
CG=120u
SH: red, gry,drk gry frm- hrd
plty blky occ chnky rthy
txt, sli calc,aren,amor i.p.
SS:lt gry, gry,sbang,sbrnd
uncons,mod srtd, fn grn

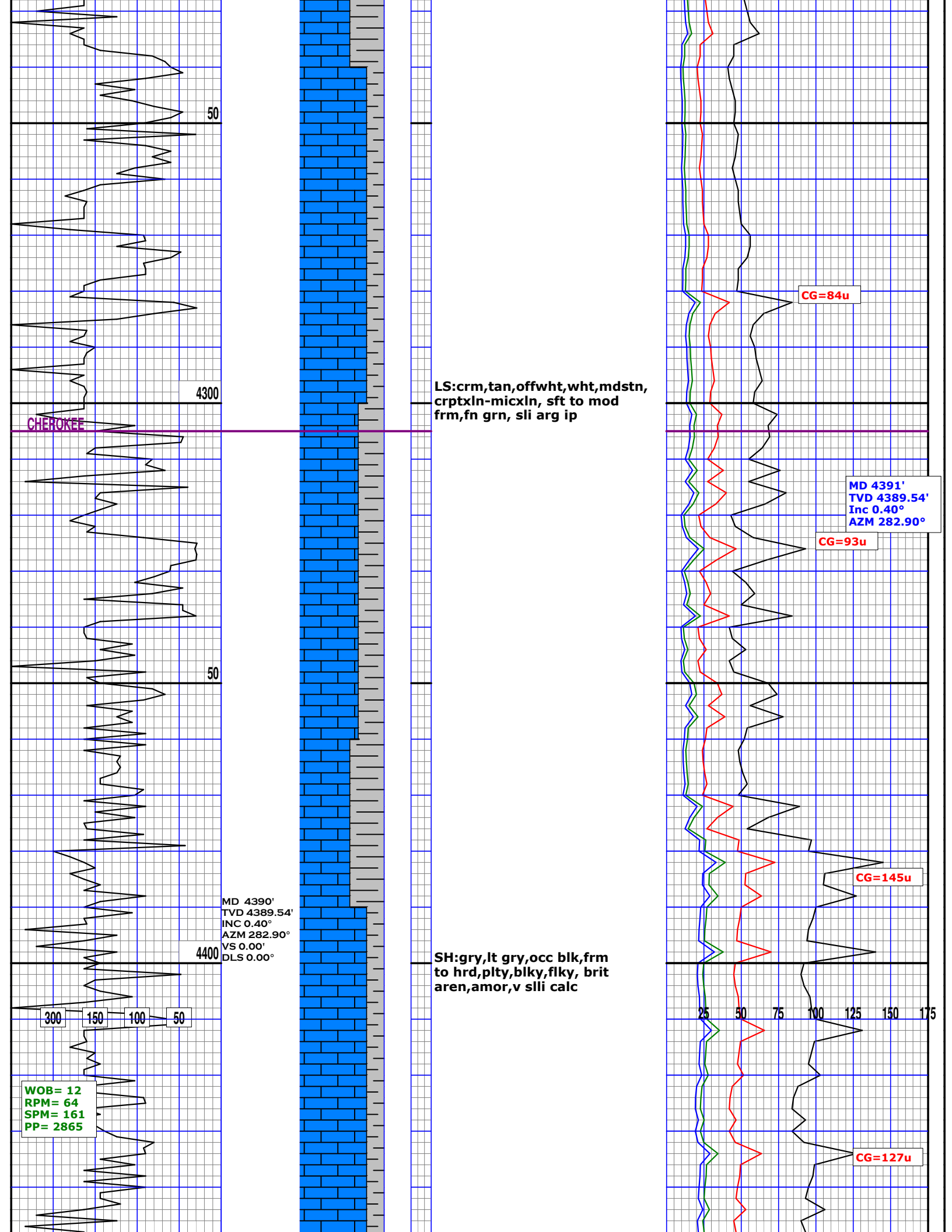

MD 3130'
TVD 3129.64'
INC 1.10°
AZM 218.70°
VS 0.00'
DLS 0.00°
50
3200
300
150
100
50
WOB= 10
RPM= 53
SPM= 134
PP= 1945
50
3300
LS: lt gry,lt grn, off wht mdstn,crptxln-micxln, sftmodfrm,fn grn, aren ip, v calc, no vis flor
SH: gy, dk gy, lt gy,sft-frm, blcky-sbblcky,plty, rthy txt, sli calc LS: offwht, wht, gy, vfn-fn xln, dense
MD 3130'
TVD 3129.64'
Inc 1.10°
AZM 217.70°
CG=94u
MW= 9.0 VIS: 34
25
50
75
100
125
150
175
CG=90u
CG=96u

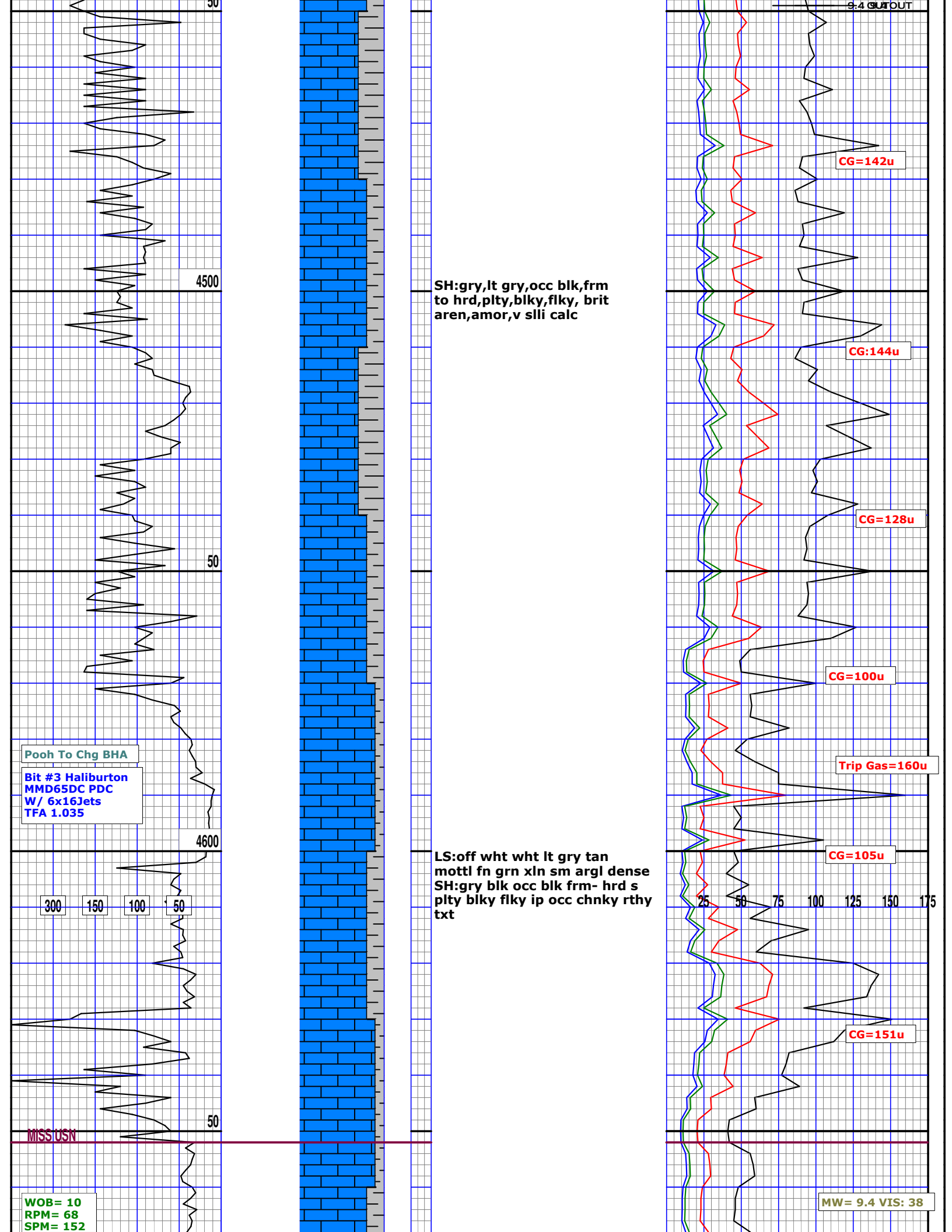

MD 3350'
TVD 3349.60'
INC 1.00°
AZM 215.10°
VS 0.00'
DLS 0.00°
3400
300
150
100
50
WOB= 14
RPM= 61
SPM= 134
PP= 2139
50
TONKAWN
3500
50
LS: lt gry,lt grn, off wht mdstn,crptxln-micxln, sftmodfrm,fn grn, aren ip, sli arg ip,no fluor,no cut,tr snd
LS: lt gry,lt grn, off wht mdstn,crptxln-micxln, sftmodfrm, fn grn, aren ip, sli arg ip,no fluor,no cut
MD 3351'
TVD 3349.60'
Inc 1.0°
AZM 215.10°
CG=59u
25
50
75
100
125
150
175
MW= 9.1 VIS: 40
CG=78u
CG=75u
MD 3570'
TVD 3568.57'
Inc 0.80°
AZM 219.60°

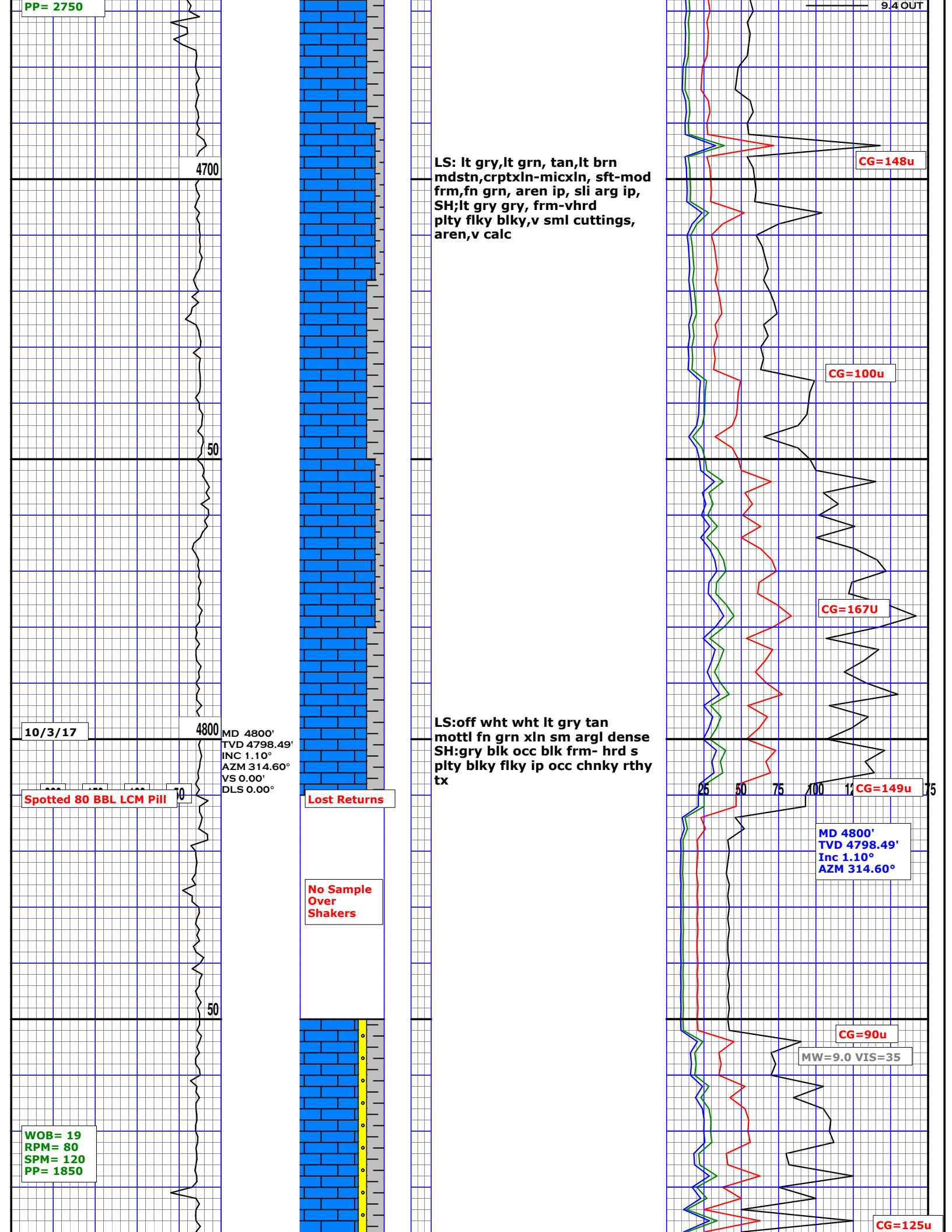

MD 3570'
TVD 3568.57'
INC 0.80°
AZM 219.60°
VS 0.00'
DLS 0.00°
3600
300
150
100
50
10/1/17
50
WOB= 10
RPM= 64
SPM= 133
PP= 2194
3700
50
MD 3760'
TVD 3758.56'
INC 0.70°
AZM 247.40°
VS 0.00'
DLS 0.00°
SH: gy, dk gy, lt gy,frmhrd, blcky-pltyflky ,sli calc aren LS: offwht, wht, gy,vfn-fn xln, dense,argil,no vis flor
LS: crm,tan,off wht,wht,mdstn crptxln-micxln, sft to mod frm,fn grn, sli arg ip,dul yel flor,ring cut
CG=90u
25
50
75
100
125
150
175
CG=68u
MW=9.2 VIS:39
MW= 9.3 VIS: 37
CG=97
MD 3760'
TVD 3758.56'
Inc 0.70°
AZM 247.40°

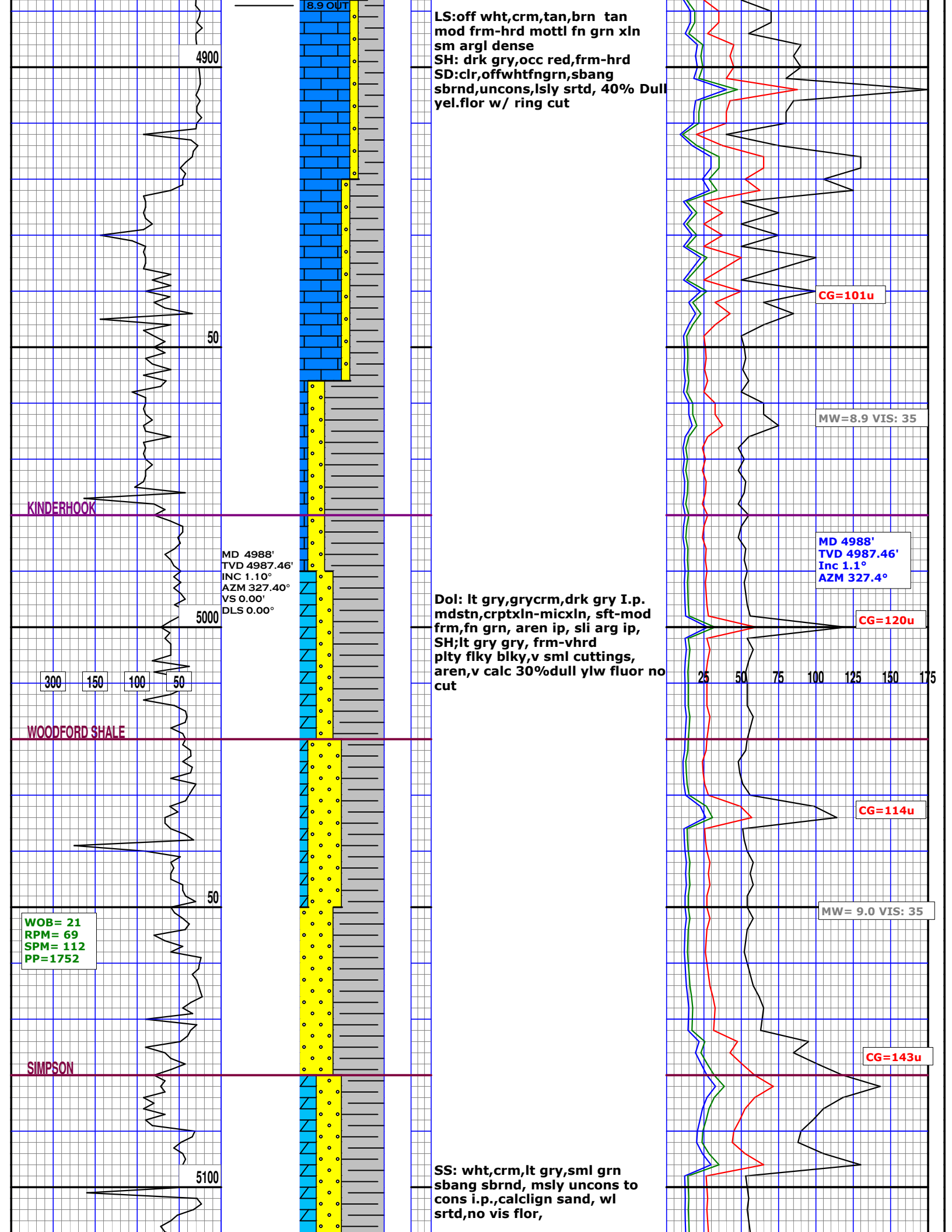

3800
300
150
100
50
COTTAGE GROVE
50
WOB= 12
RPM= 60
SPM= 160
PP= 2770
3900
50
MD 3980'
TVD 3978.55'
INC 0.50°
AZM 280.30°
VS 0.00'
DLS 0.00°
4000
SH:gry,lt gry,occ blk,frm to hrd,plty,blky,flky, brit aren,amor,v slli calc
LS:crm,tan,offwhtmdstn,crptxln-micxln, sft to mod frm,fn grn, sli arg ip,dul yel flor,ring cut
LS:crm,tan,offwht,wht,mdstn, crptxln-micxln, sft to mod frm,fn grn, sli arg ip,dul yel flor,ring cut v calc
25
50
75
100
125
150
175
CG=127u
MW= 9.1 VIS: 34
CG=110u
CG=82u
MW= 9.2 VIS: 33
Test Gas Equipment
MD 3980'
TVD 3978.55'
Inc 0.50°
AZM 280.30°

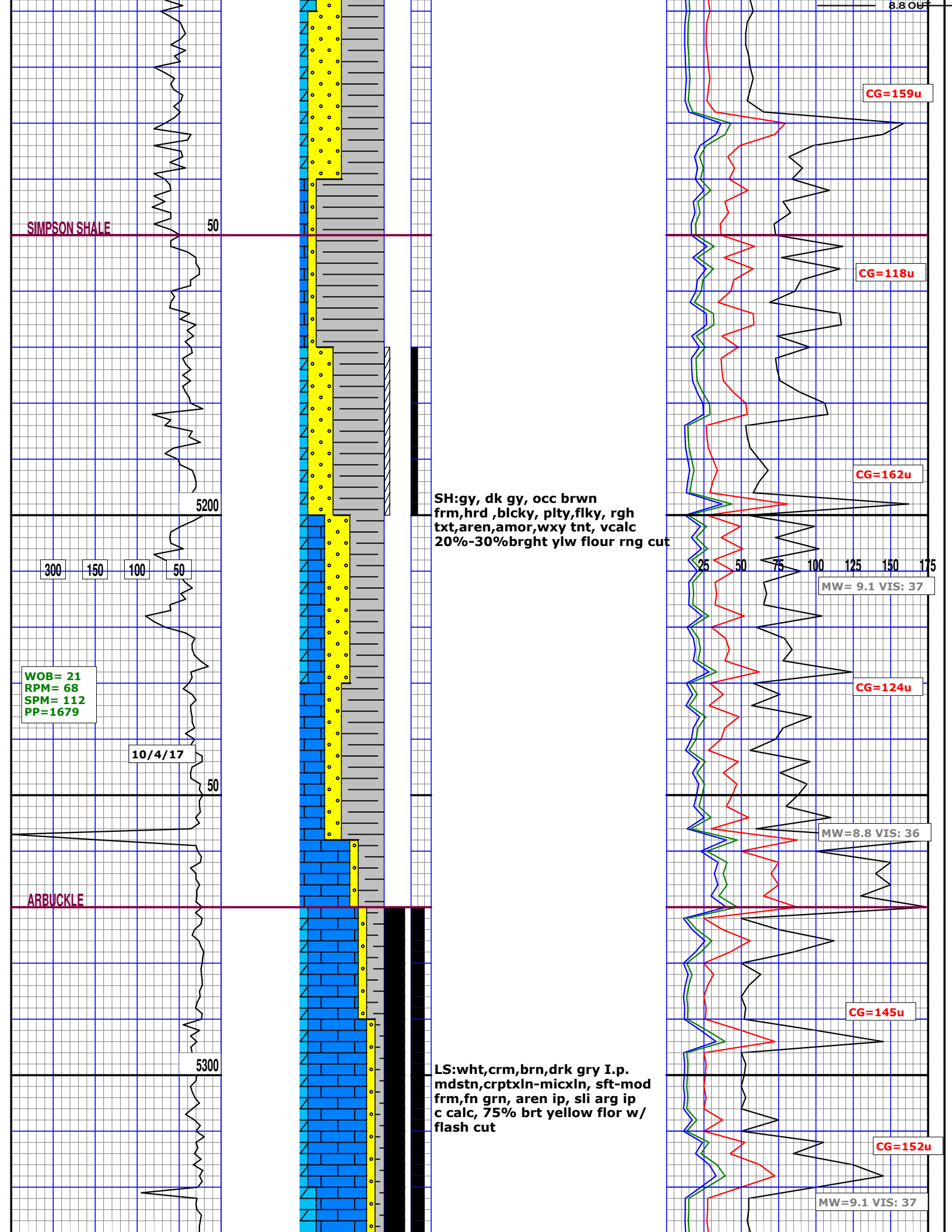

9.2 OUT
50
4100
LS:crm,tan,offwht,wht,mdstn, crptxln-micxln, sft to mod frm,fn grn, sli arg ip,dul yel flor,ring cut, v calc
CG=104u
MW= 9.2 VIS: 32
50
CG=92u
MD 4168'
TVD 4167.54'
INC 0.40°
AZM 299.60°
VS 0.00'
DLS 0.00°
MD 4169'
TVD 4167.54'
Inc 0.40°
AZM 299.60°
CG=75u
4200
LS:crm, off wht wht lt gry tan,red i.p.mottl fn grn xln sm argl dense.dull yel flor
300
150
100
50
25
50
75
100
125
150
175
WOB= 12
RPM= 60
SPM= 160
PP= 2770

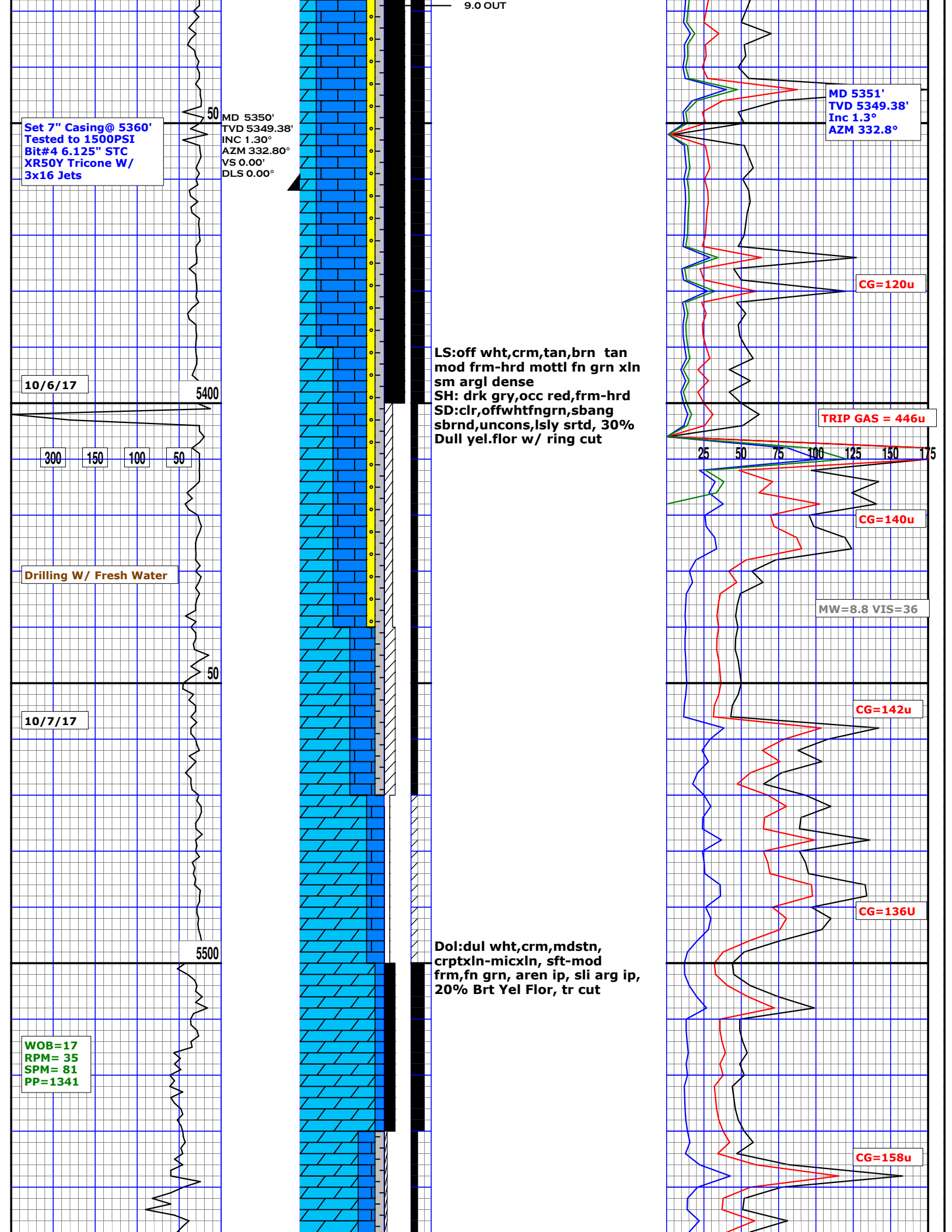

50
4300
CHEROKEE
50
4400
300
150
100
50
WOB= 12
RPM= 64
SPM= 161
PP= 2865
MD 4390'
TVD 4389.54'
INC 0.40°
AZM 282.90°
VS 0.00'
DLS 0.00°
LS:crm,tan,offwht,wht,mdstn, crptxln-micxln, sft to mod frm,fn grn, sli arg ip
SH:gry,lt gry,occ blk,frm to hrd,plty,blky,flky, brit aren,amor,v slli calc
CG=84u
MD 4391'
TVD 4389.54'
Inc 0.40°
AZM 282.90°
CG=93u
CG=145u
CG=127u
25
50
75
100
125
150
175

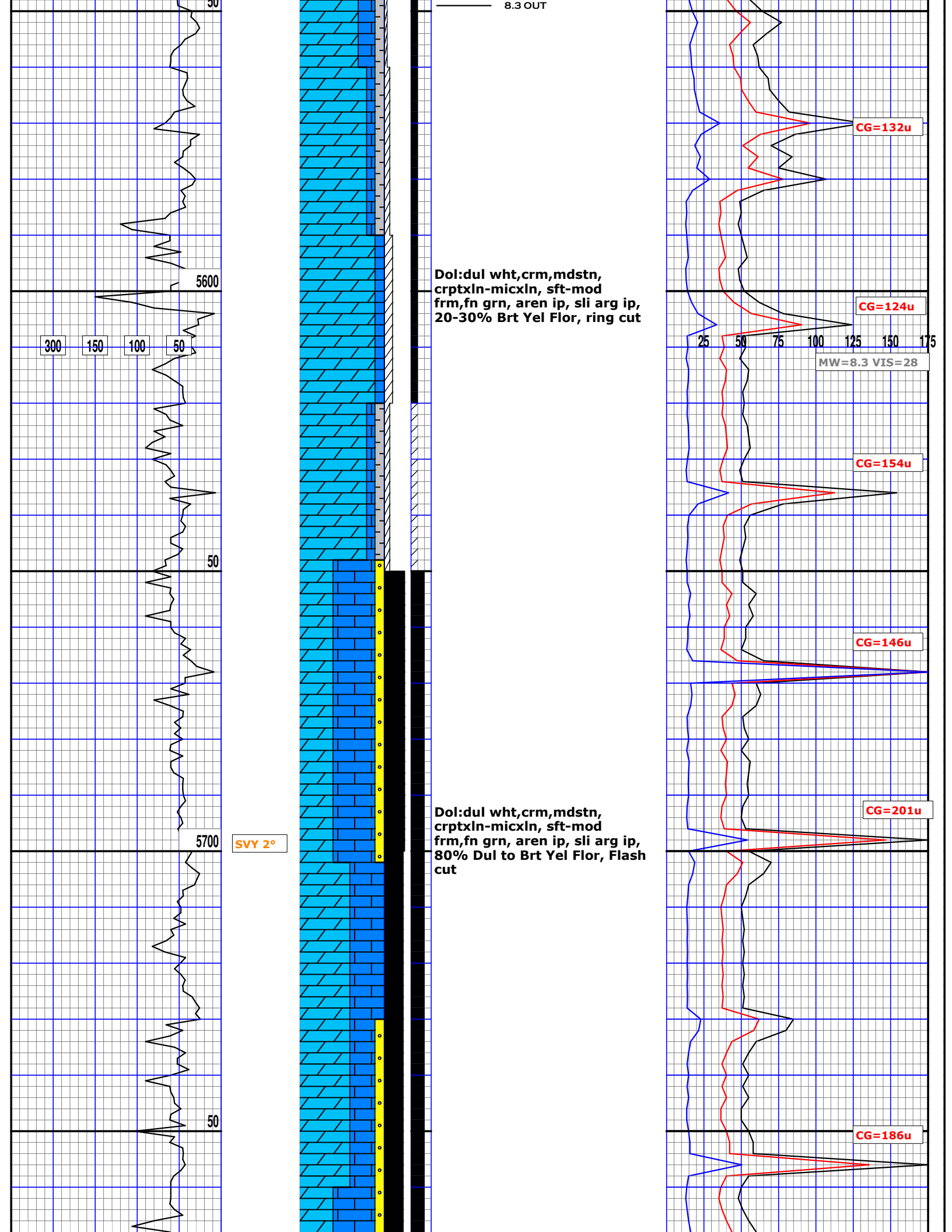

50
4500
50
Pooh To Chg BHA
Bit #3 Haliburton
MMD65DC PDC
W/ 6x16Jets
TFA 1.035
4600
300
150
100
50
50
MISS USN
WOB= 10
RPM= 68
SPM= 152
SH:gry,lt gry,occ blk,frm to hrd,plty,blky,flky, brit aren,amor,v slli calc
LS:off wht wht lt gry tan mottl fn grn xln sm argl dense SH:gry blk occ blk frm- hrd s plty blky flky ip occ chnky rthy txt
9.4 CUTOUT
CG=142u
CG:144u
CG=128u
CG=100u
Trip Gas=160u
CG=105u
25
50
75
100
125
150
175
CG=151u
MW= 9.4 VIS: 38

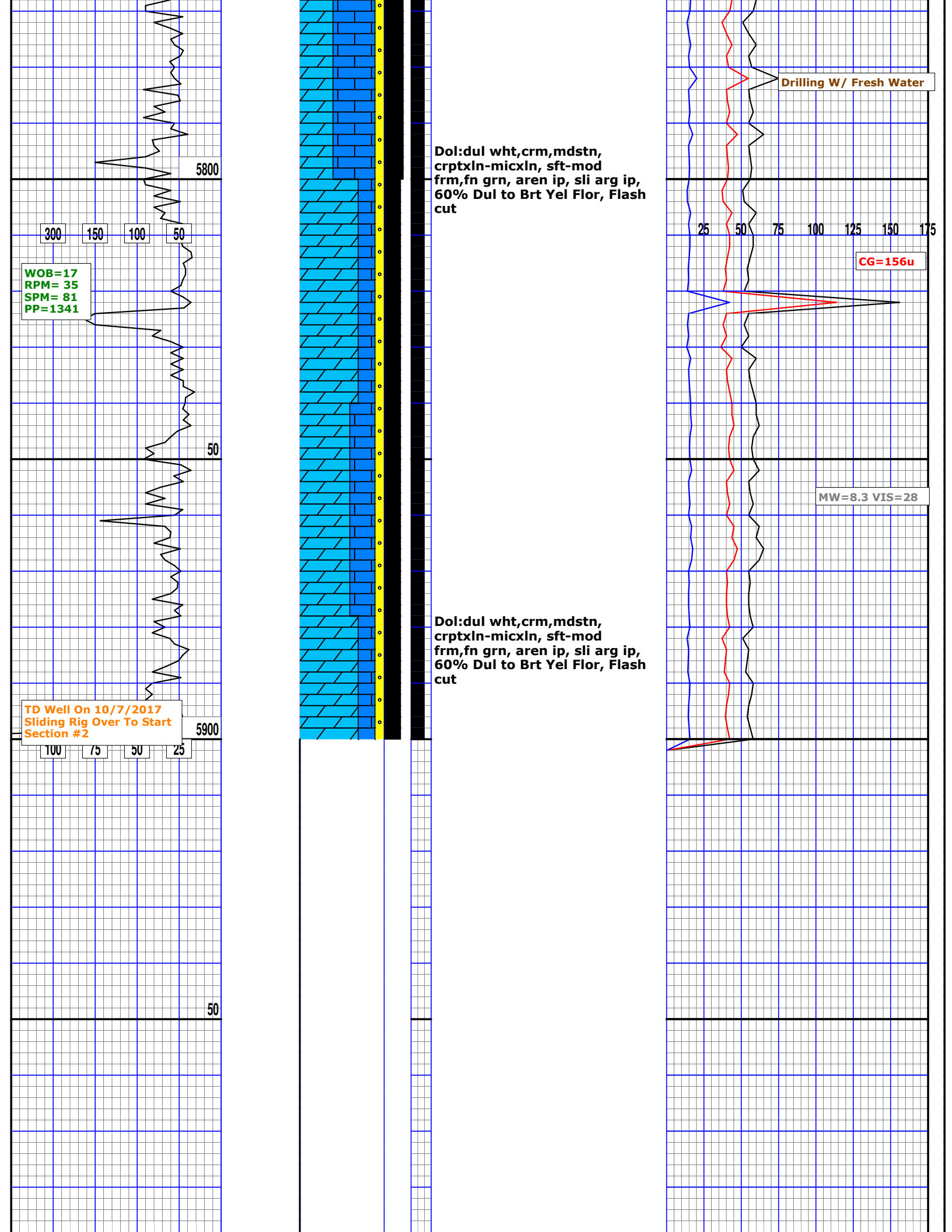

PP= 2750
4700
50
10/3/17
4800
MD 4800'
TVD 4798.49'
INC 1.10°
AZM 314.60°
VS 0.00'
DLS 0.00°
Spotted 80 BBL LCM Pill
Lost Returns
No Sample Over Shakers
50
WOB= 19
RPM= 80
SPM= 120
PP= 1850
LS: lt gry,lt grn, tan,lt brn mdstn,crptxln-micxln, sft-mod frm,fn grn, aren ip, sli arg ip, SH;lt gry gry, frm-vhrd plty flky blky,v sml cuttings, aren,v calc
LS:off wht wht lt gry tan mottl fn grn xln sm argl dense SH:gry blk occ blk frm- hrd s plty blky flky ip occ chnky rthy tx
9.4 OUT
CG=148u
CG=100u
CG=167U
25
50
75
100
CG=149u
MD 4800'
TVD 4798.49'
Inc 1.10°
AZM 314.60°
CG=90u
MW=9.0 VIS=35
CG=125u


8.9 OUT
4900
50
KINDERHOOK
MD 4988'
TVD 4987.46'
INC 1.10°
AZM 327.40°
VS 0.00'
DLS 0.00°
5000
300
150
100
50
WOODFORD SHALE
50
WOB= 21
RPM= 69
SPM= 112
PP=1752
SIMPSON
5100
LS:off wht,crm,tan,brn tan
mod frm-hrd mottl fn grn xln
sm argl dense
SH: drk gry,occ red,frm-hrd
SD:clr,offwhtfngrn,sbang
sbrnd,uncons,lsly srtd, 40% Dull
yel.flor w/ ring cut
CG=101u
MW=8.9 VIS: 35
MD 4988'
TVD 4987.46'
Inc 1.1°
AZM 327.4°
Dol: lt gry,grycrm,drk gry I.p.
mdstn,crptxln-micxln, sft-mod
frm,fn grn, aren ip, sli arg ip,
SH;lt gry gry, frm-vhrd
plty flky blky,v sml cuttings,
aren,v calc 30%dull ylw fluor no
cut
CG=120u
25
50
75
100
125
150
175
CG=114u
MW= 9.0 VIS: 35
CG=143u
SS: wht,crm,lt gry,sml grn
sbang sbrnd, msly uncons to
cons i.p.,calclign sand, wl
srtd,no vis flor,


8.8 OUT
CG=159u
SIMPSON SHALE
50
CG=118u
5200
CG=162u
SH:gy, dk gy, occ brwn frm,hrd ,blcky, plty,flky, rgh txt,aren,amor,wxy tnt, vcalc 20%-30%brght ylw flour rng cut
300
150
100
50
25
50
75
100
125
150
175
MW= 9.1 VIS: 37
WOB= 21
RPM= 68
SPM= 112
PP=1679
CG=124u
10/4/17
50
MW=8.8 VIS: 36
ARBUCKLE
CG=145u
5300
LS:wht,crm,brn,drk gry I.p. mdstn,crptxln-micxln, sft-mod frm,fn grn, aren ip, sli arg ip c calc, 75% brt yellow flor w/ flash cut
CG=152u
MW=9.1 VIS: 37


9.0 OUT
50
MD 5350'
TVD 5349.38'
INC 1.30°
AZM 332.80°
VS 0.00'
DLS 0.00°
Set 7" Casing@ 5360'
Tested to 1500PSI
Bit#4 6.125" STC
XR50Y Tricone W/
3x16 Jets
MD 5351'
TVD 5349.38'
Inc 1.3°
AZM 332.8°
CG=120u
10/6/17
5400
LS:off wht,crm,tan,brn tan
mod frm-hrd mottl fn grn xln
sm argl dense
SH: drk gry,occ red,frm-hrd
SD:clr,offwhtfngrn,sbang
sbrnd,uncons,lsly srtd, 30%
Dull yel.flor w/ ring cut
TRIP GAS = 446u
300
150
100
50
25
50
75
100
125
150
175
CG=140u
Drilling W/ Fresh Water
MW=8.8 VIS=36
50
10/7/17
CG=142u
CG=136U
5500
Dol:dul wht,crm,mdstn,
crptxln-micxln, sft-mod
frm,fn grn, aren ip, sli arg ip,
20% Brt Yel Flor, tr cut
WOB=17
RPM= 35
SPM= 81
PP=1341
CG=158u


8.3 OUT
50
5600
300
150
100
50
50
5700
SVY 2°
50
Dol:dul wht,crm,mdstn, crptxln-micxln, sft-mod frm,fn grn, aren ip, sli arg ip, 20-30% Brt Yel Flor, ring cut
Dol:dul wht,crm,mdstn, crptxln-micxln, sft-mod frm,fn grn, aren ip, sli arg ip, 80% Dul to Brt Yel Flor, Flash cut
CG=132u
CG=124u
25
50
75
100
125
150
175
MW=8.3 VIS=28
CG=154u
CG=146u
CG=201u
CG=186u


Drilling W/ Fresh Water
5800
300
150
100
50
25
50
75
100
125
150
175
CG=156u
WOB=17
RPM= 35
SPM= 81
PP=1341
50
MW=8.3 VIS=28
Dol:dul wht,crm,mdstn, crptxln-micxln, sft-mod frm,fn grn, aren ip, sli arg ip, 60% Dul to Brt Yel Flor, Flash cut
Dol:dul wht,crm,mdstn, crptxln-micxln, sft-mod frm,fn grn, aren ip, sli arg ip, 60% Dul to Brt Yel Flor, Flash cut
TD Well On 10/7/2017
Sliding Rig Over To Start Section #2
5900
100
75
50
25
50

100
75
50
25
25
50
75
100
125
150
175

HALLIBURTON

ARRAY COMPENSATED TRUE RESISTIVITY LOG

COMPANY	DESTINY PETROLEUM
WELL	LINDA 3504 SWD 1-5
FIELD/BLOCK	WILDCAT
COUNTY	SUMNER
STATE	KANSAS

API No. 15-191-22795-00-00

Location
(SHL) SE NE SE NE
1717' FNL & 237' FEL

Sect. 5 Twp. 35S Rge. 4W

Other Services:
ACRT
SDL-DSN-ML
WAVESONIC
IDT-ICT

Permanent Datum	GL	Elev. 1199.0 ft	Elev.: K.B. 1214.0 ft
Log measured from	KB	, 15.0 ft above perm. Datum	D.F. 1212.0 ft
Drilling measured from	KB		G.L. 1199.0 ft

Date		05-Oct-17					
Run No.		1					
Depth - Driller		5400.0 ft					
Depth - Logger		5376.0 ft					
Bottom - Logged Interval		5366					
Top - Logged Interval		315					
Casing - Driller		9.625 in	@ 315.0 ft	@		@	
Casing - Logger		315.0 ft					
Bit Size		8.750 in		@		@	
Type Fluid in Hole		Water Based Mud					
Density	Viscosity	9.1 ppg	38.00 s/qt				
PH	Fluid Loss	11.20 pH	8.5 cptm				
Source of Sample		MUD PIT					
Rm @ Meas. Temperature		0.24 ohmm	@ 84.00 degF	@		@	
Rmf @ Meas. Temperature		0.19 ohmm	@ 80.00 degF	@		@	
Rmc @ Meas. Temperature		0.31 ohmm	@ 80.00 degF	@		@	
Source Rmf	Rmc	MEAS	MEAS				
Rm @ BHT		0.14 ohmm	@ 145.0 degF	@		@	
Time Since Circulation		18:00 hr					
Time on Bottom		05-Oct-17 03:33					
Max. Rec. Temperature		145.00 degF	@ 5376.0 ft	@		@	
Equipment	Location	12156883	EL RENO, OK				
Recorded By		WHITLOCK					
Witnessed By		REID McCARTY					

Fold here

Service Ticket No.: 904342231

API No.: 15-191-22795-00-00

PGM Version: WL INSITE R5.0.5 (Build 8)

CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE

	Date	Sample No.								
Depth-Driller										
Type Fluid in Hole										
Density	Viscosity									
Ph	Fluid Loss									
Source of Sample										
Rm @ Meas. Temp	@									
Rmf @ Meas. Temp.	@									
Rmc @ Meas. Temp.	@									
Source Rmf	Rmc									
Rm @ BHT	@									
Rmf @ BHT	@									
Rmc @ BHT	@									

RESISTIVITY SCALE CHANGES

	Type Log	Depth	Scale Up Hole	Scale Down Hole

RESISTIVITY EQUIPMENT DATA

	Run No.	Tool Type & No.	Pad Type	Tool Pos.	Other
Rm @ Meas. Temp	@				
Rmf @ Meas. Temp.	@				
Rmc @ Meas. Temp.	@				
Source Rmf	Rmc				
Rm @ BHT	@				
Rmf @ BHT	@				
Rmc @ BHT	@				

EQUIPMENT DATA

GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run No.		Run No.		Run No.		Run No.	
Serial No.		Serial No.		Serial No.		Serial No.	
Model No.		Model No.		Model No.		Model No.	
Diameter		No. of Cent.		Diameter		Diameter	
Detector Model No.		Spacing		Log Type		Log Type	
Type				Source Type		Source Type	
Length		LSA [Y/N]		Serial No.		Serial No.	
Distance to Source		FWDA [Y/N]		Strength		Strength	

LOGGING DATA

GENERAL		GAMMA			ACOUSTIC			DENSITY			NEUTRON		
Run No.	Depth From	Depth To	Speed ft/min	Scale L	Scale R	Matrix	Scale L	Scale R	Matrix	Scale L	Scale R	Matrix	Scale L	Scale R	Matrix

DIRECTIONAL INFORMATION

Maximum Deviation	@	KOP	@

Remarks: 7" CASING USED FOR ANNULAR HOLE VOLUME

HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

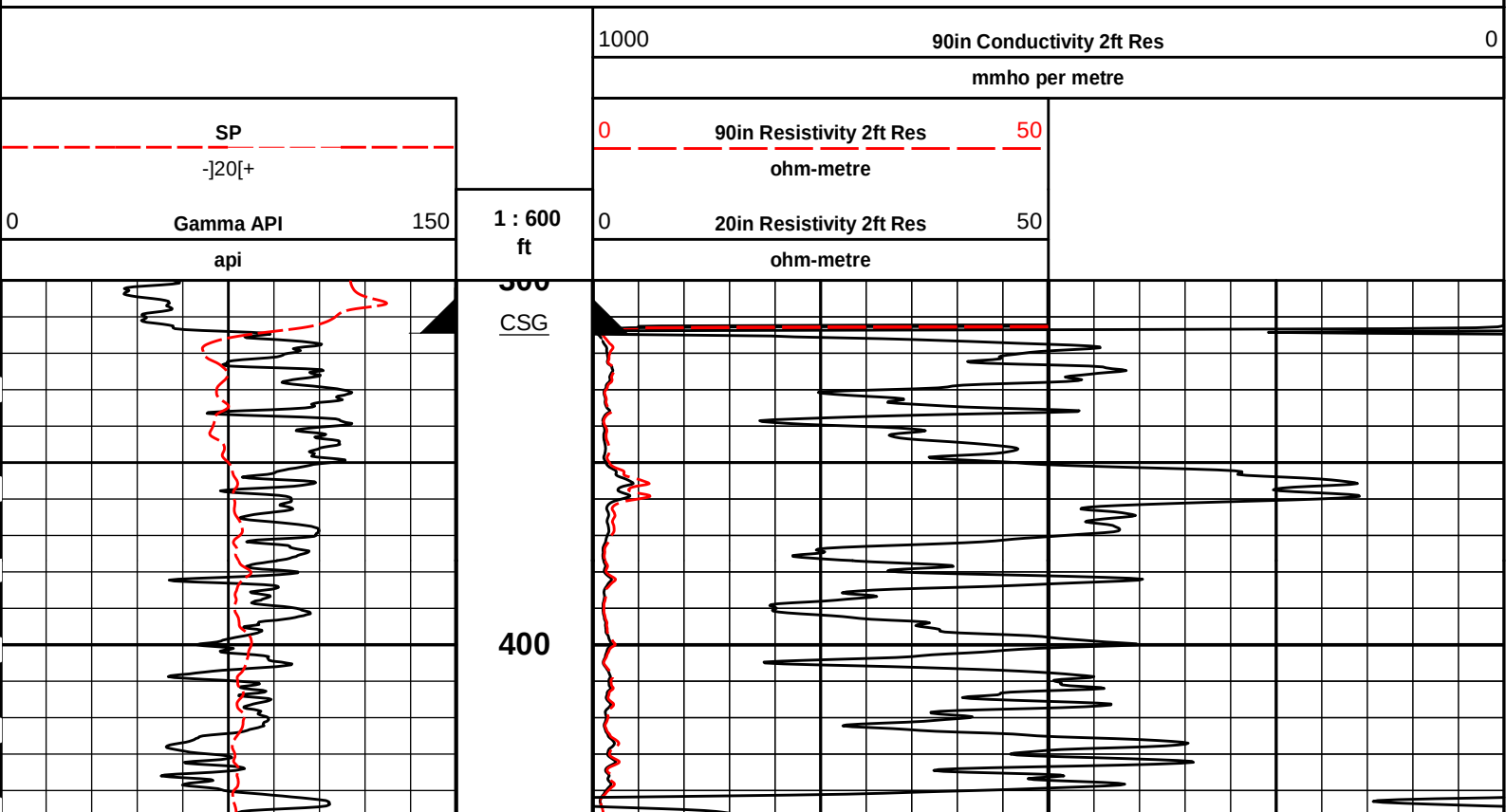
HALLIBURTON

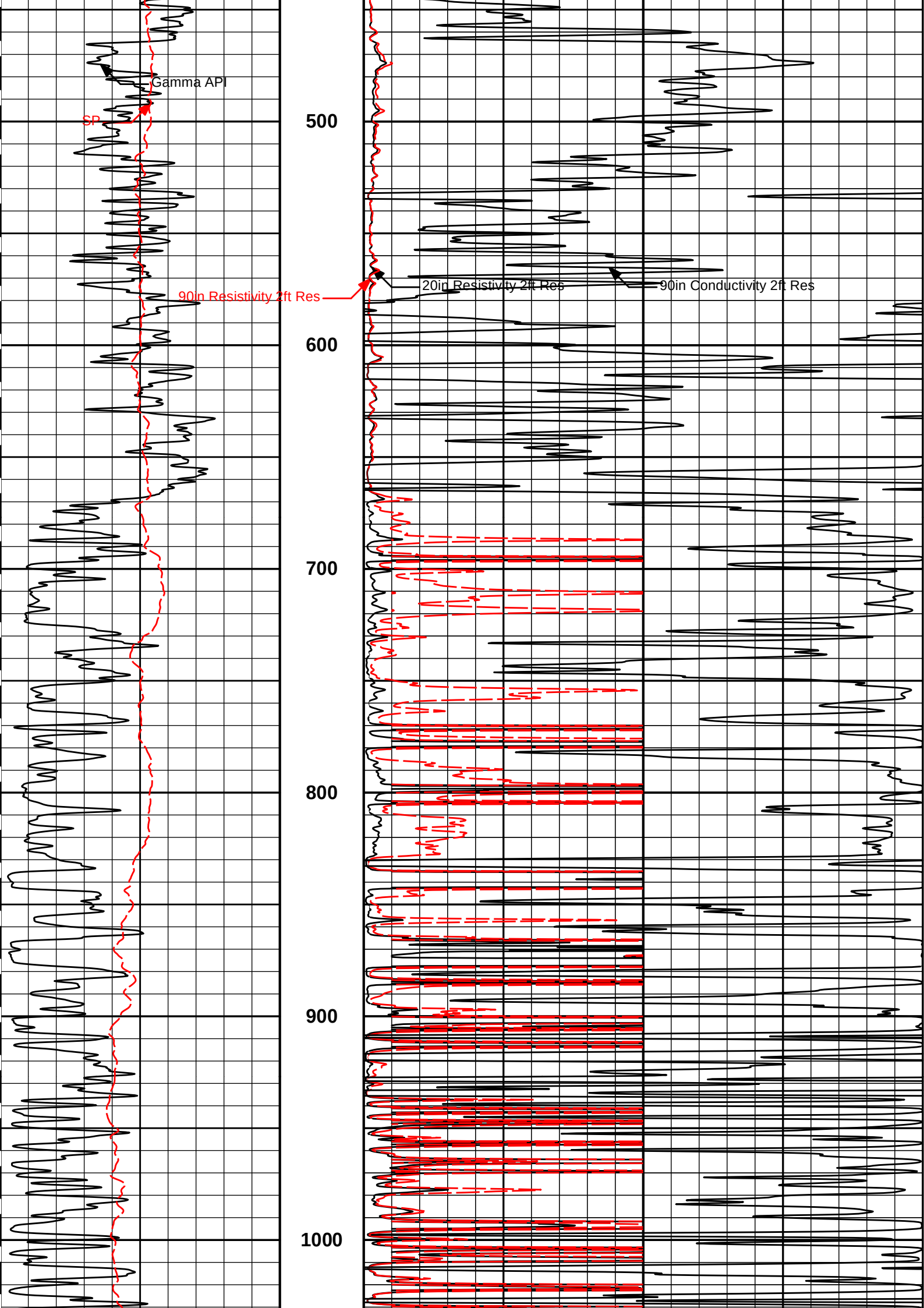
HALLIBURTON

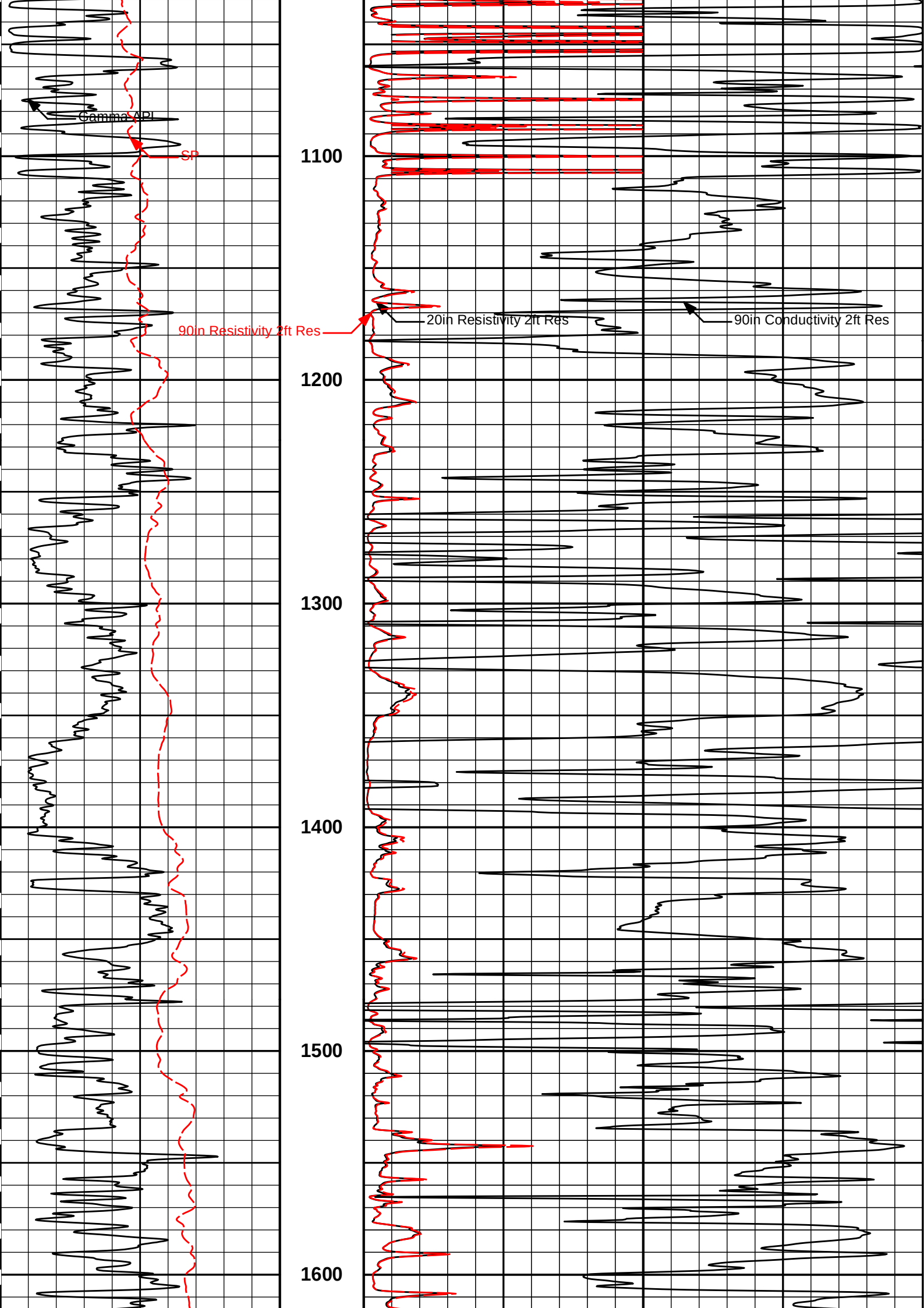
Plot Time: 05-Oct-17 08:58:13
Plot Range: 300 ft to 5378.08 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-004
Plot File: \\-LOCAL-\DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\ACRT\ACRT_2_main

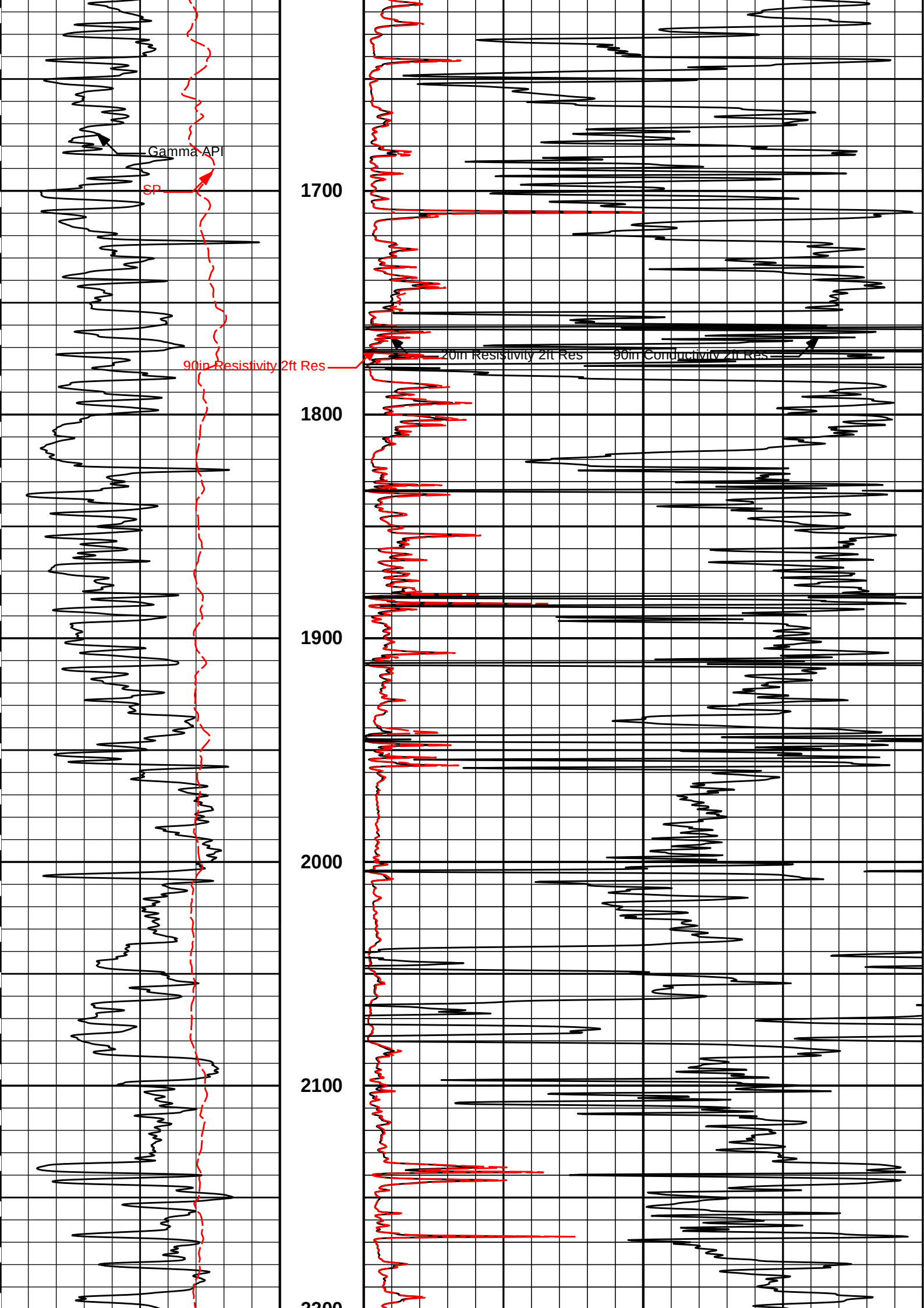
2 INCH MAIN LOG

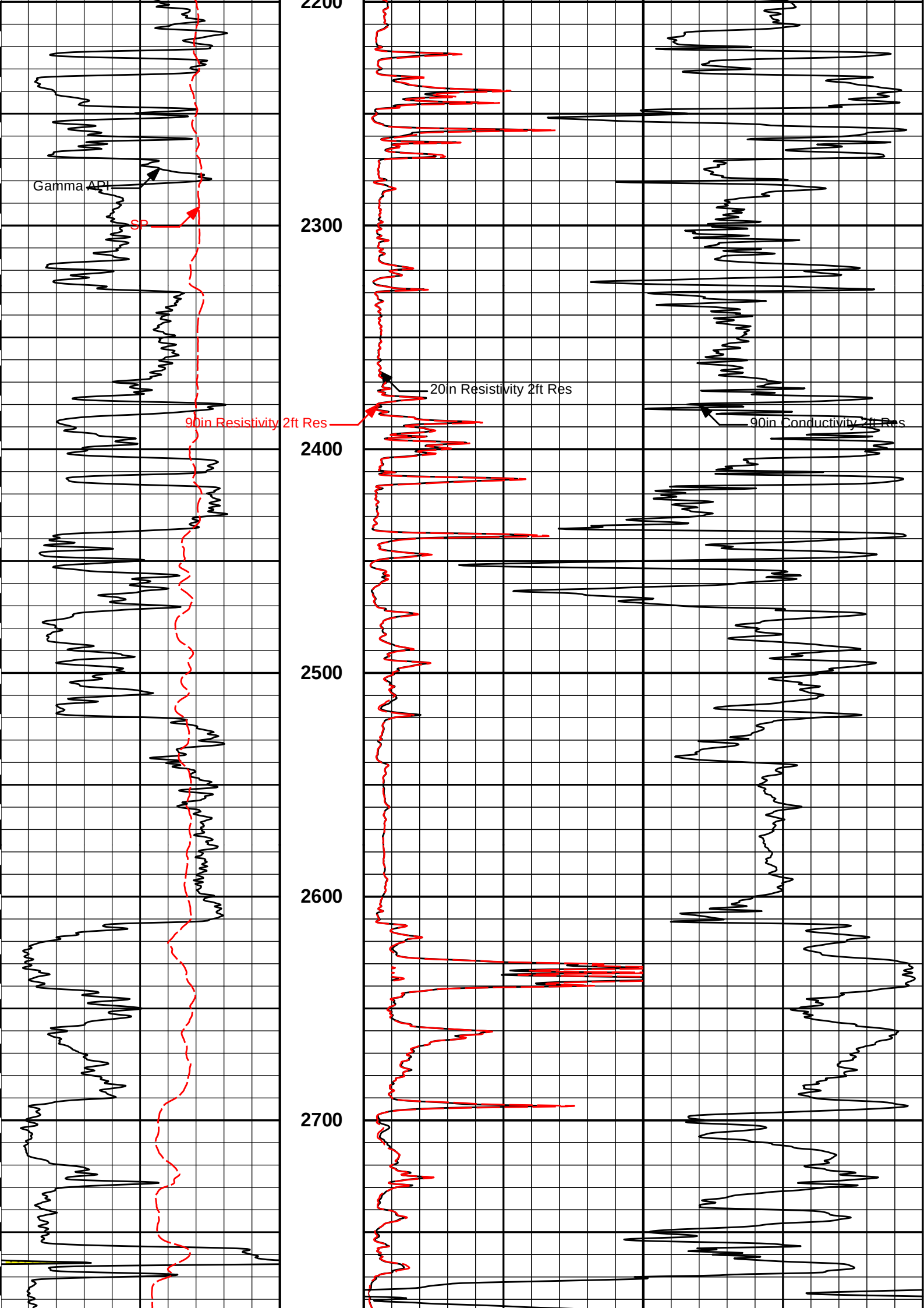
2 INCH MAIN LOG

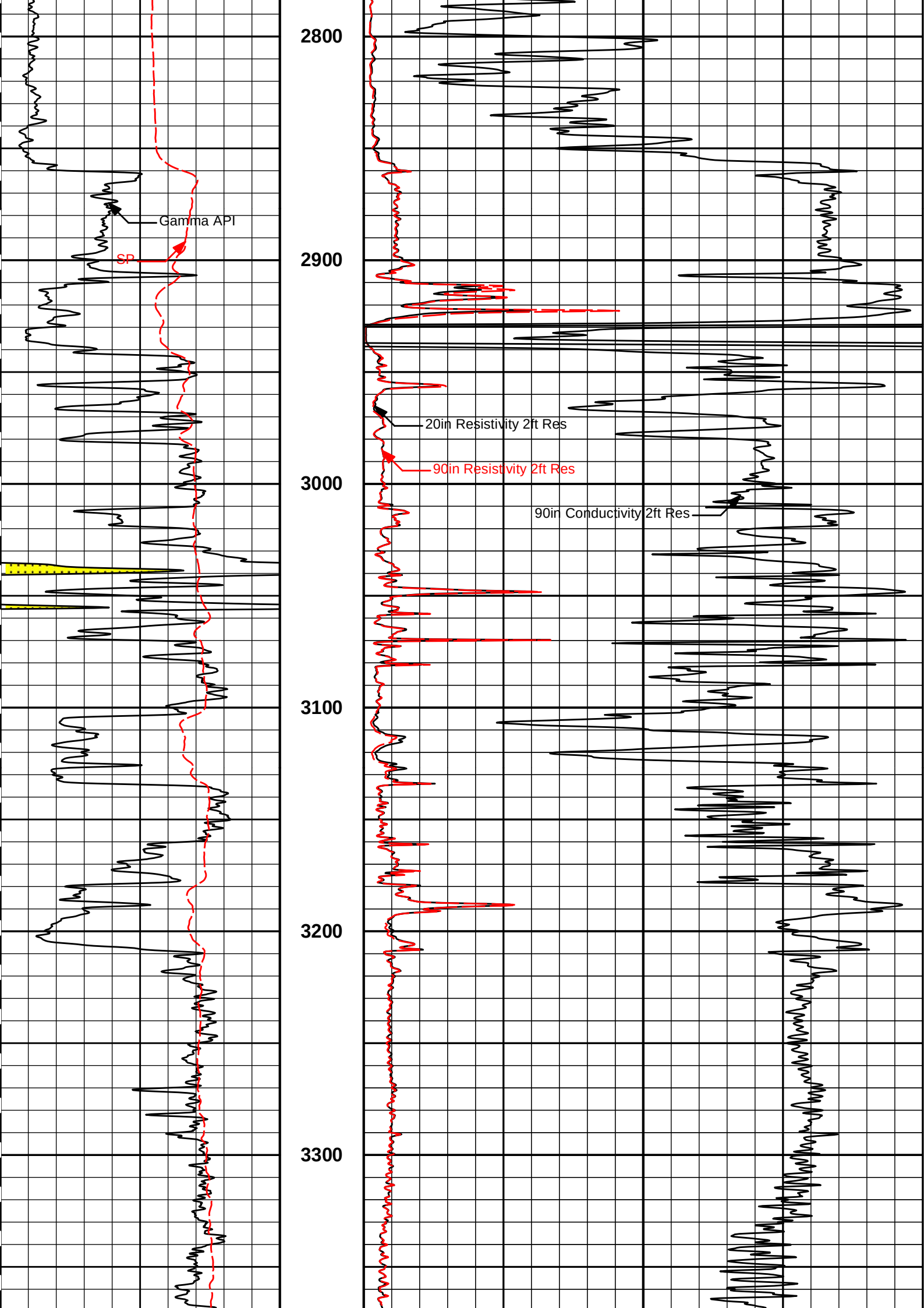


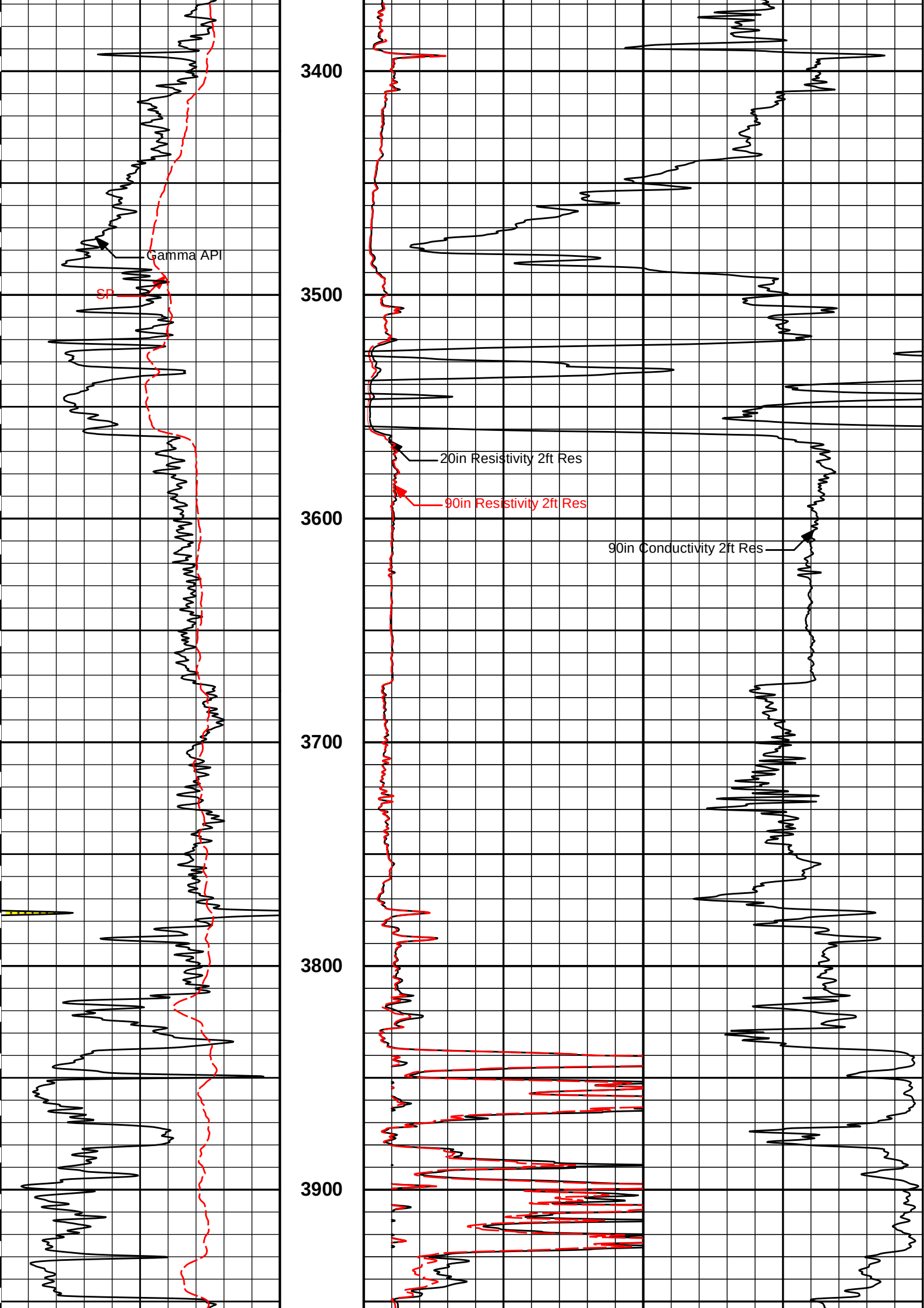

Gamma API
SP
90in Resistivity 2ft Res
20in Resistivity 2ft Res
90in Conductivity 2ft Res
500
600
700
800
900
1000

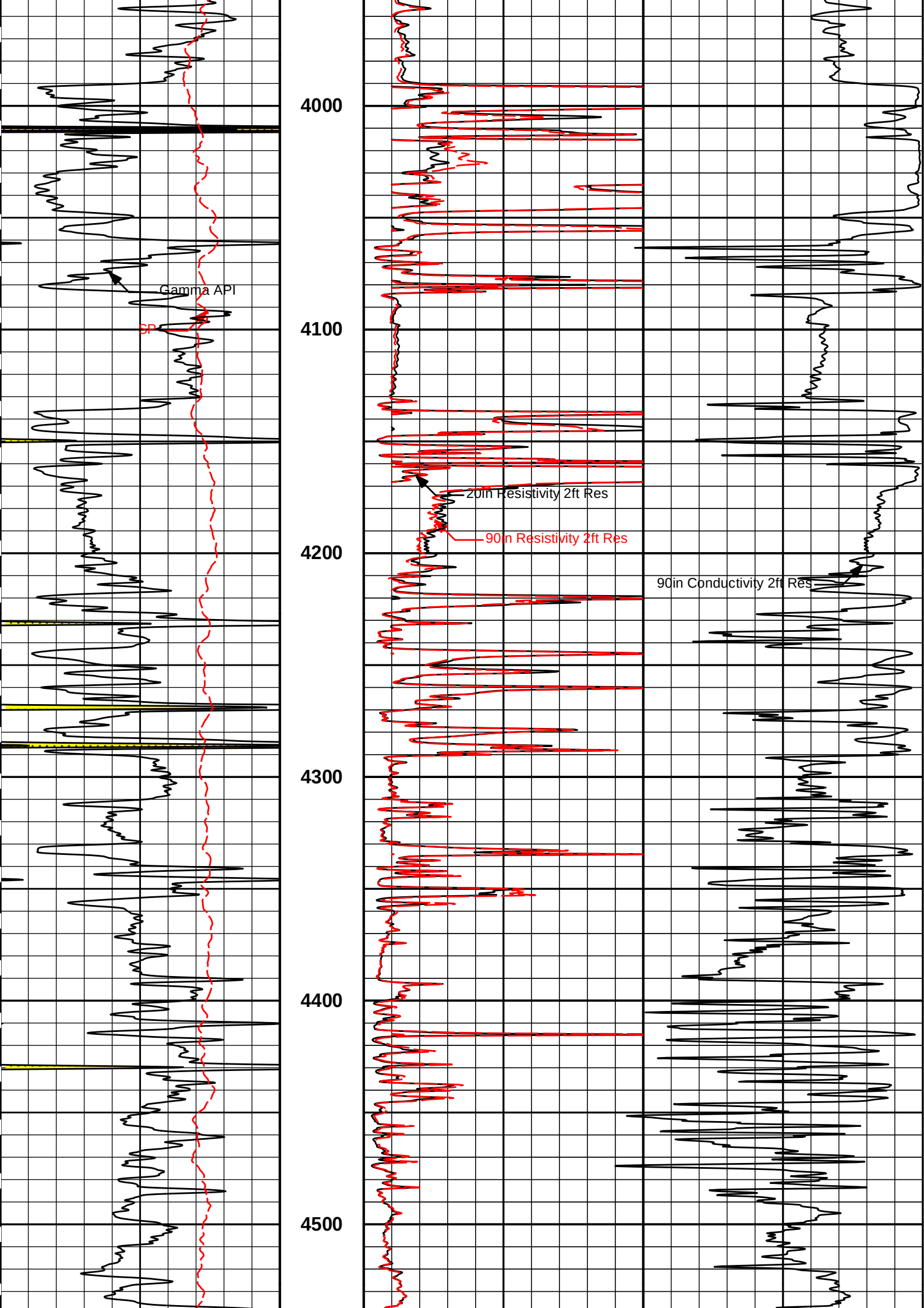

Gamma API
SP
90in Resistivity 2ft Res
20in Resistivity 2ft Res
90in Conductivity 2ft Res
1100
1200
1300
1400
1500
1600

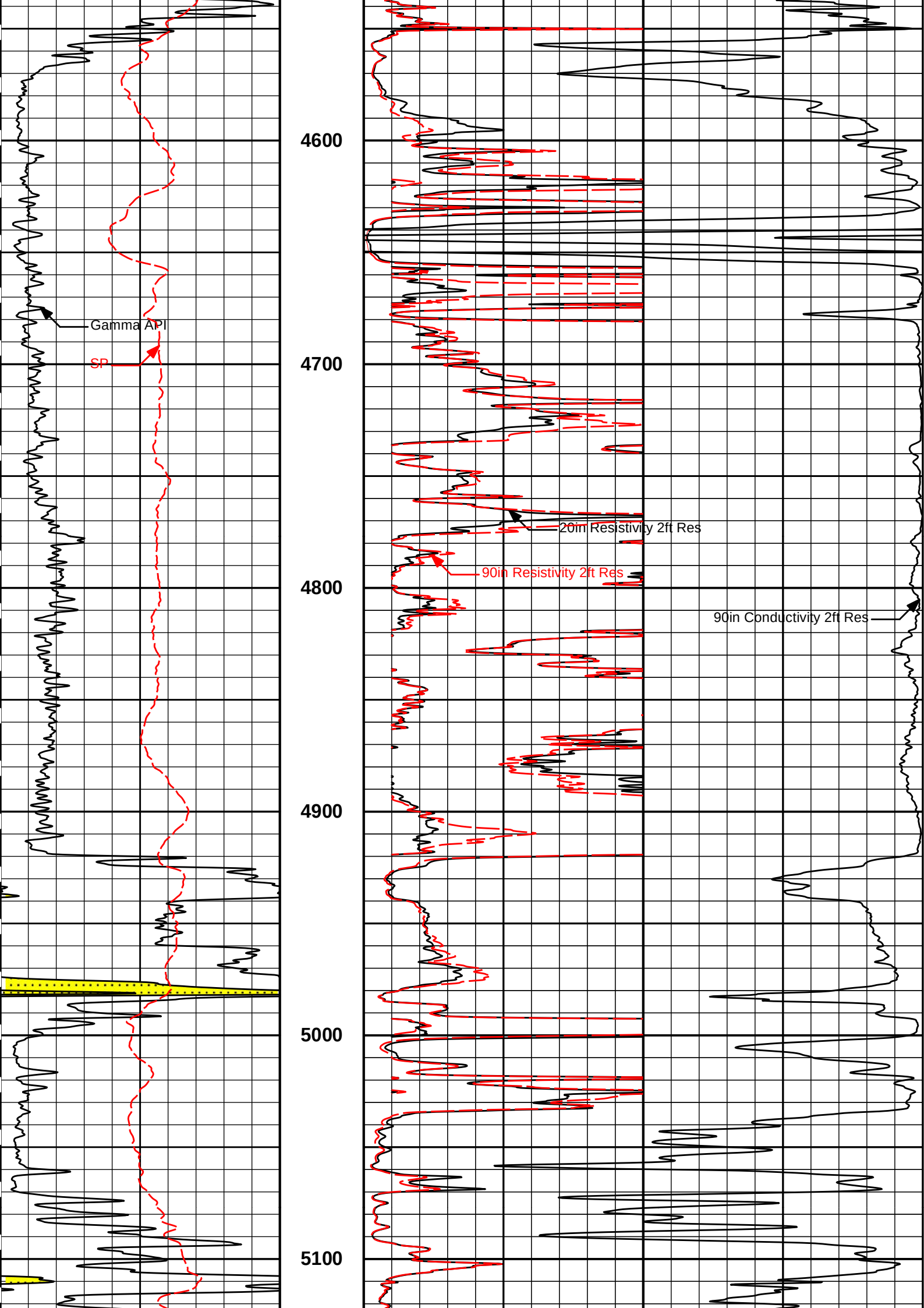

Gamma API
SP
1700
90in Resistivity 2ft Res
20in Resistivity 2ft Res
90in Conductivity 2ft Res
1800
1900
2000
2100

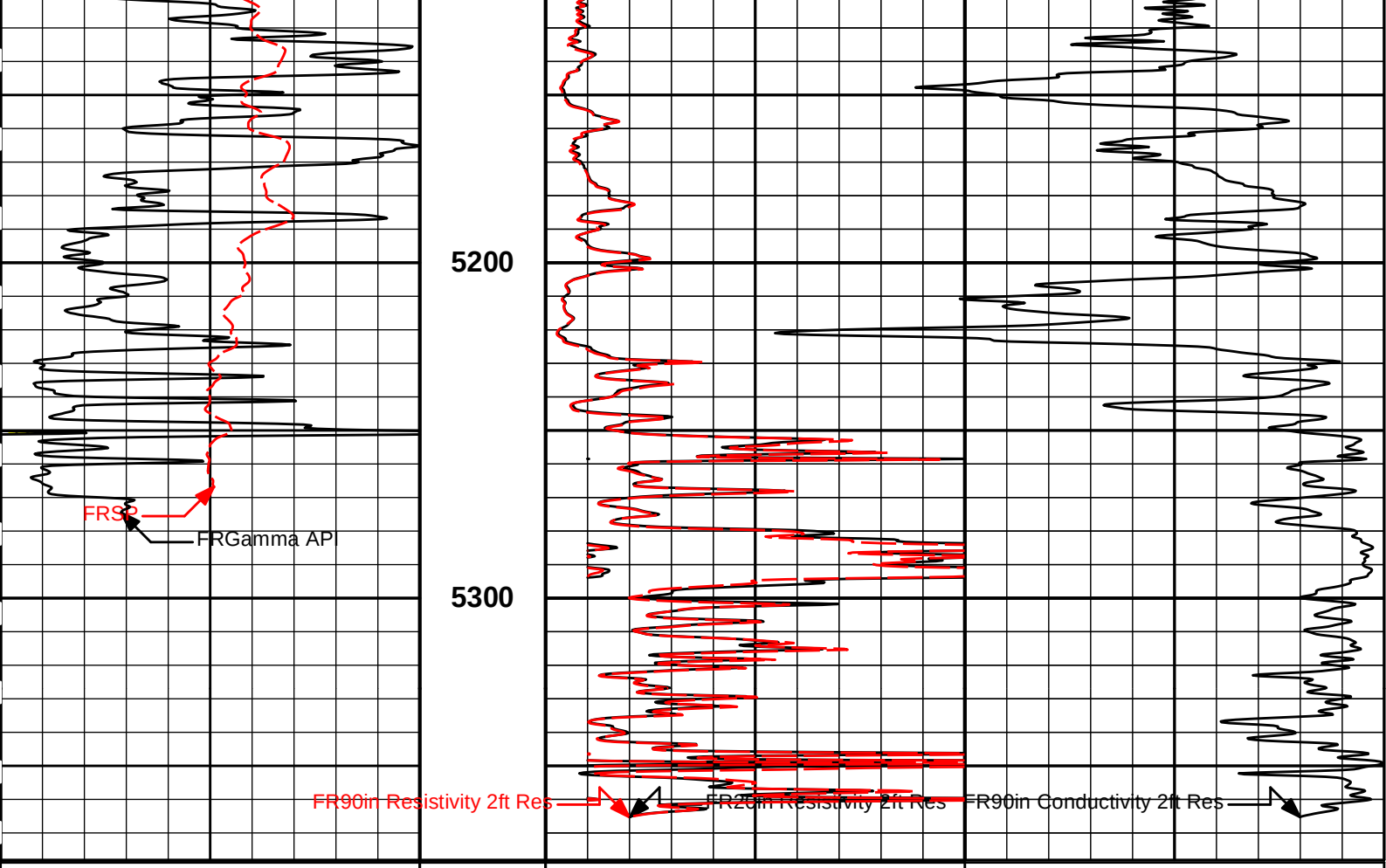

Gamma API
SP
90in Resistivity 2ft Res
20in Resistivity 2ft Res
90in Conductivity 2ft Res
2200
2300
2400
2500
2600
2700


2800
2900
3000
3100
3200
3300
Gamma API
SP
20in Resistivity 2ft Res
90in Resistivity 2ft Res
90in Conductivity 2ft Res


3400
3500
3600
3700
3800
3900
Gamma API
SP
20in Resistivity 2ft Res
90in Resistivity 2ft Res
90in Conductivity 2ft Res


4000
4100
4200
4300
4400
4500
Gamma API
SP
20in Resistivity 2ft Res
90in Resistivity 2ft Res
90in Conductivity 2ft Res


4600
4700
4800
4900
5000
5100
Gamma API
SP
20in Resistivity 2ft Res
90in Resistivity 2ft Res
90in Conductivity 2ft Res



0 Gamma API 150	1 : 600 ft	0 20in Resistivity 2ft Res 50
api		ohm-metre
SP		0 90in Resistivity 2ft Res 50
-]20[+		ohm-metre
		1000 90in Conductivity 2ft Res 0
		mmho per metre

HALLIBURTON

Plot Time: 05-Oct-17 08:58:17
Plot Range: 300 ft to 5378.08 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-004\
Plot File: \\-LOCAL-\DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\ACRT\ACRT_2_main

2 INCH MAIN LOG

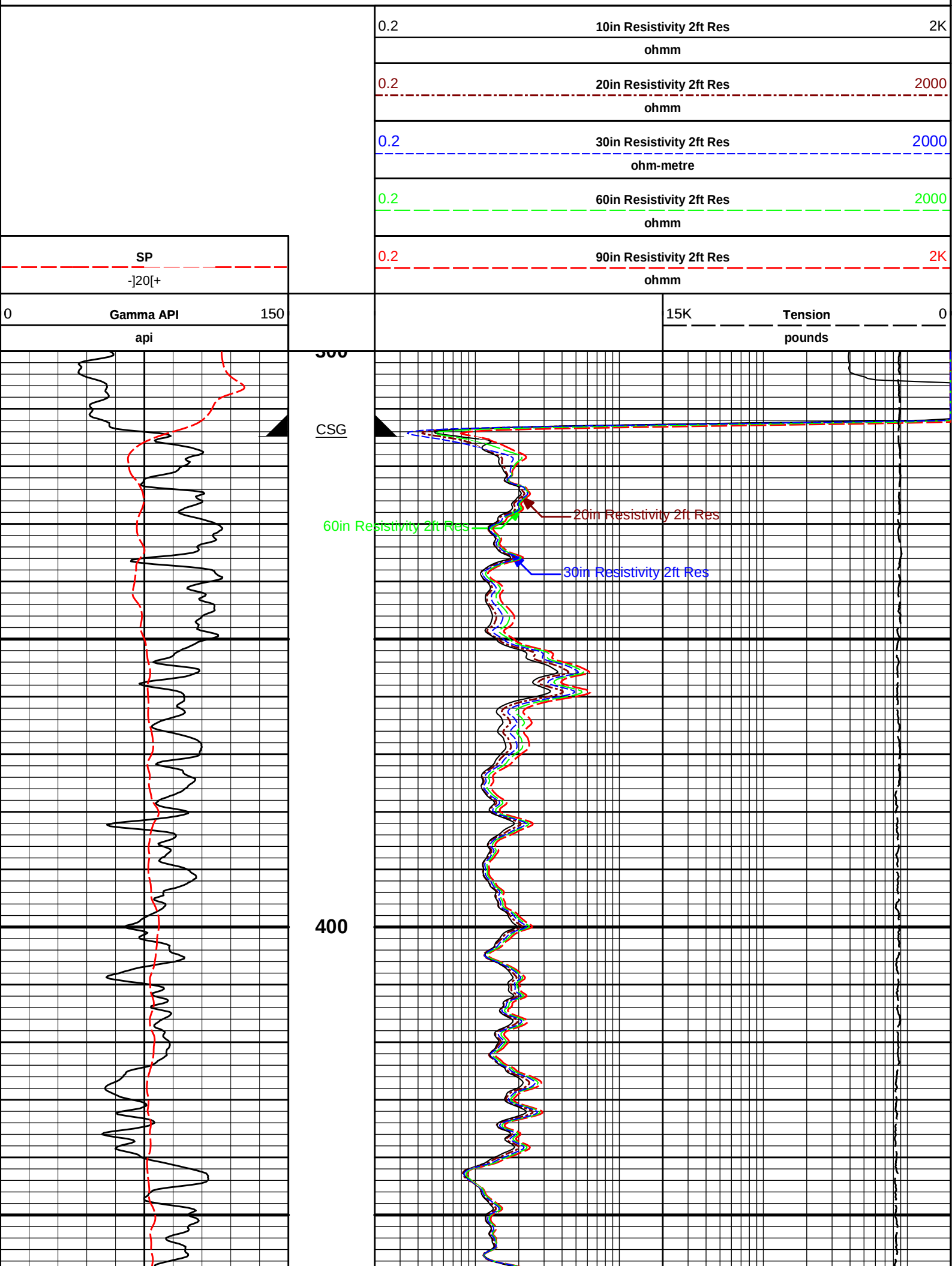
2 INCH MAIN LOG

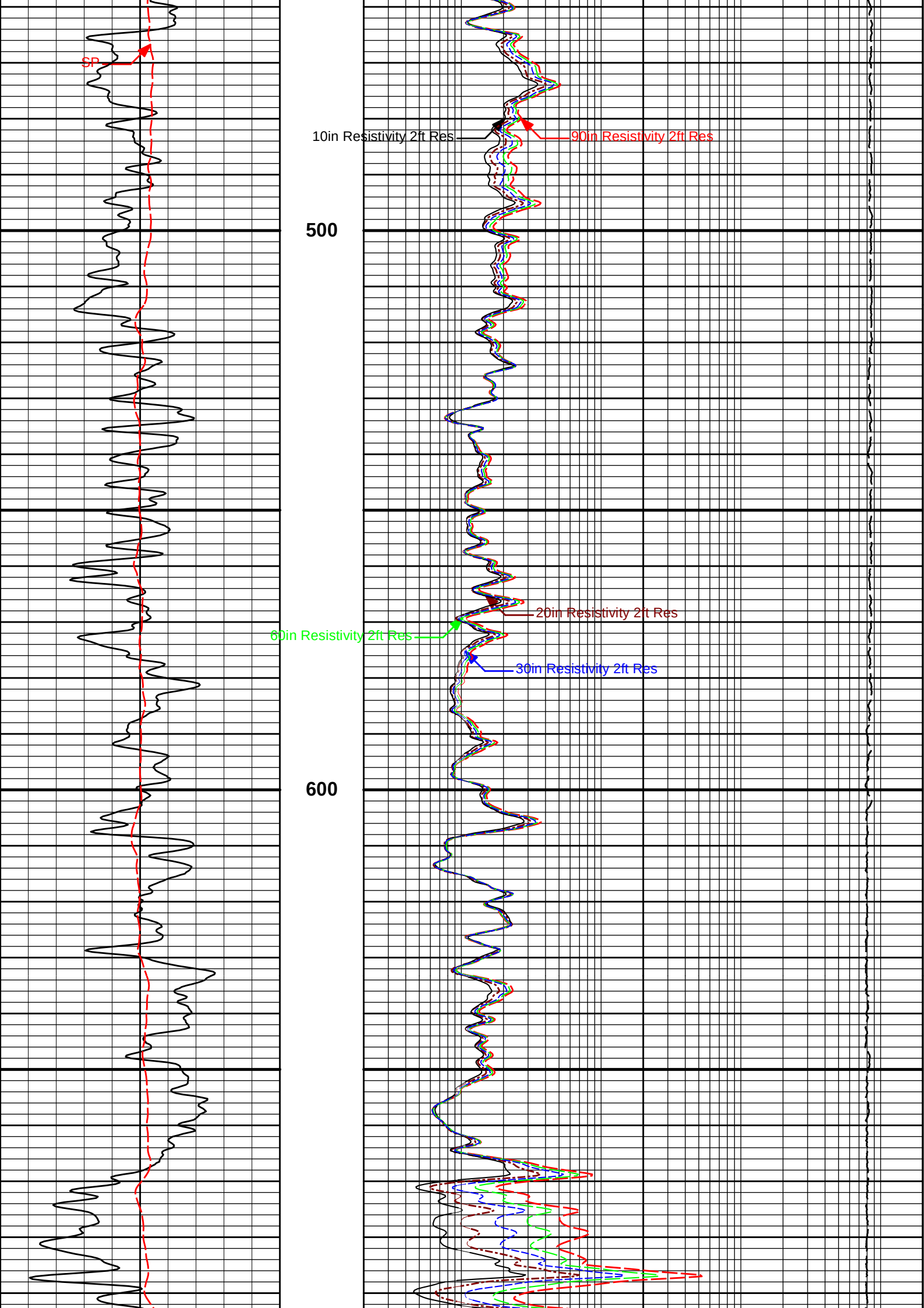
HALLIBURTON

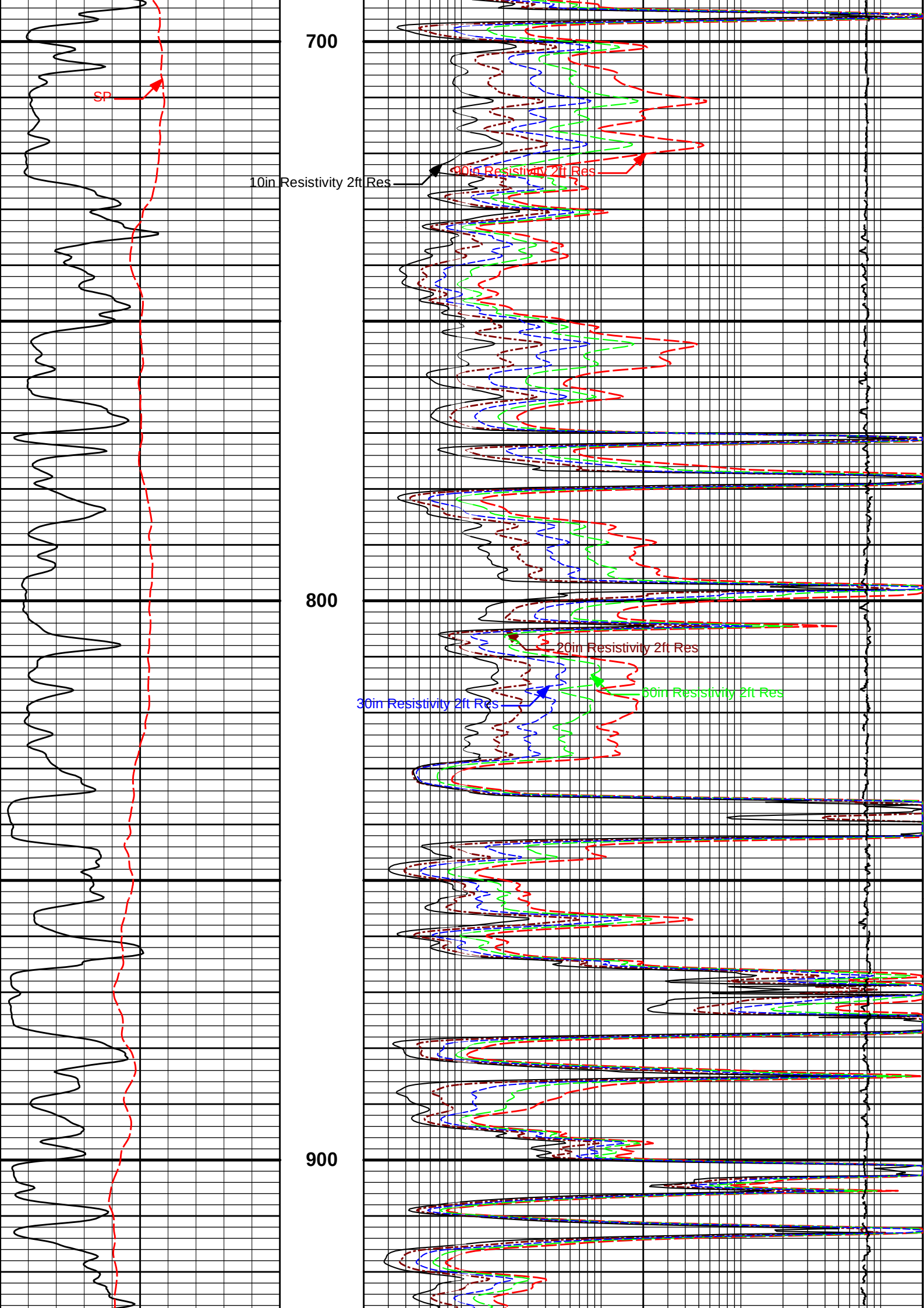
Plot Time: 05-Oct-17 08:58:17
Plot Range: 300 ft to 5378.08 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-004\
Plot File: \\-LOCAL-\DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\ACRT\ACRT_5inch_main

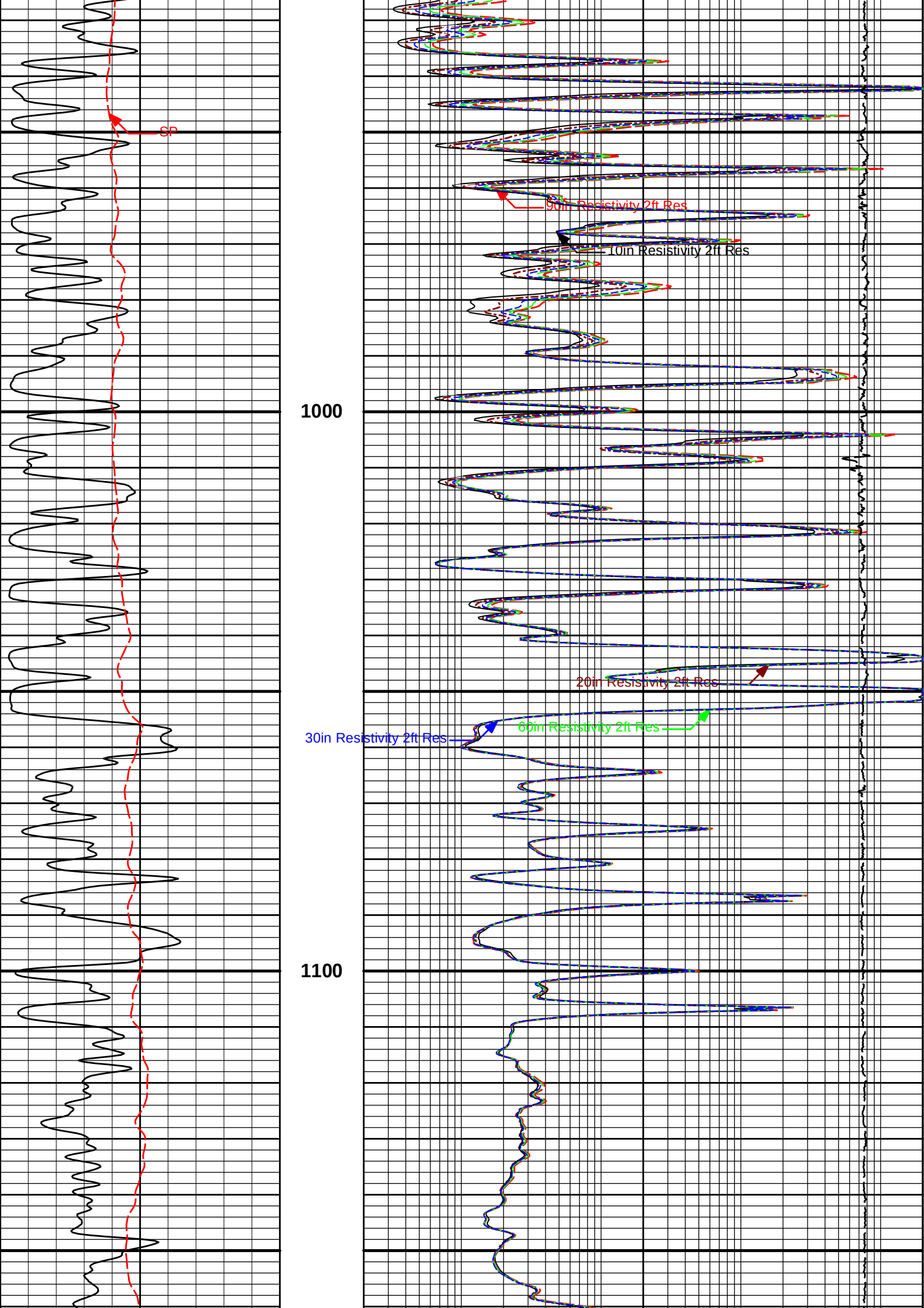
5 INCH MAIN LOG

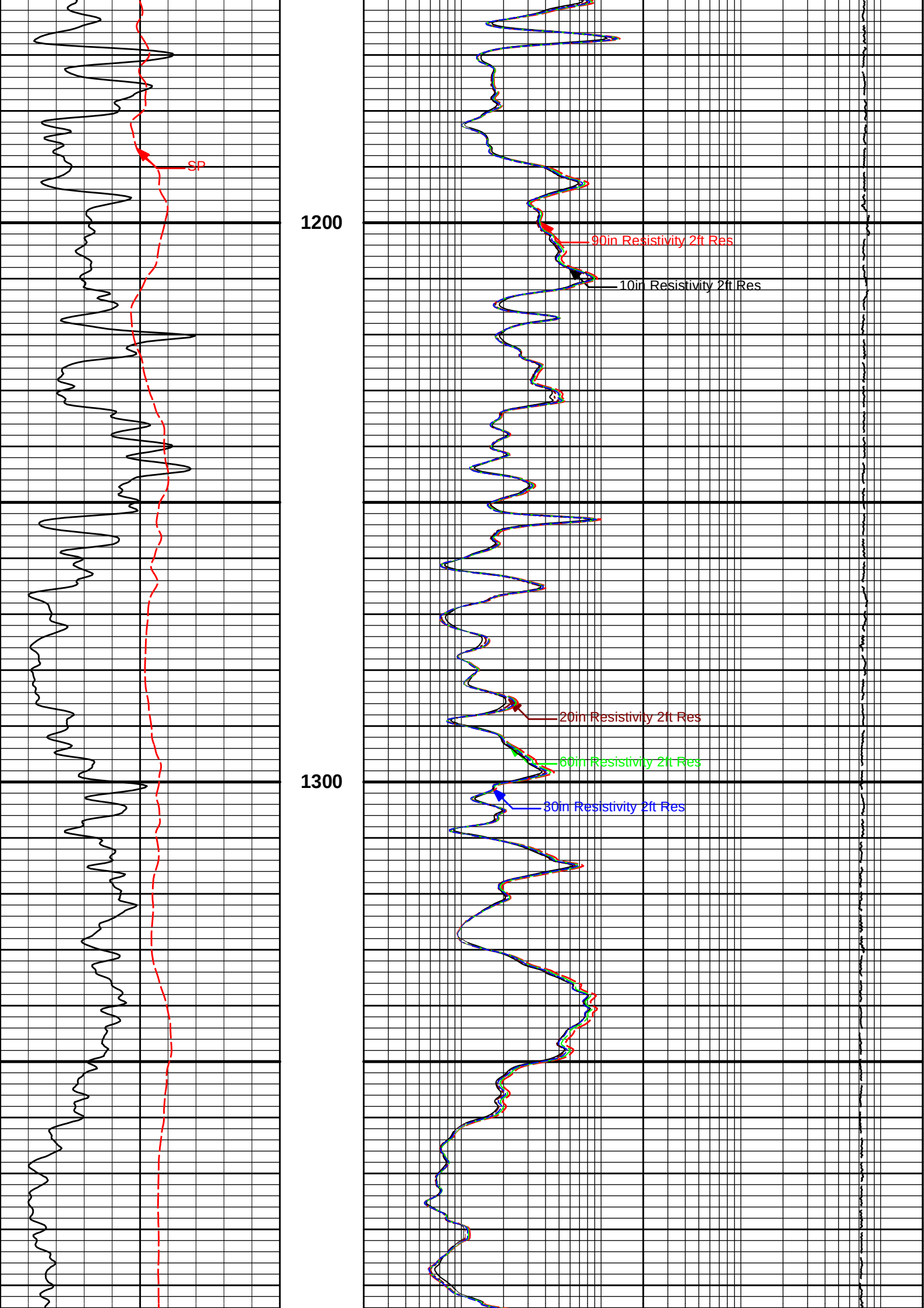
5 INCH MAIN LOG

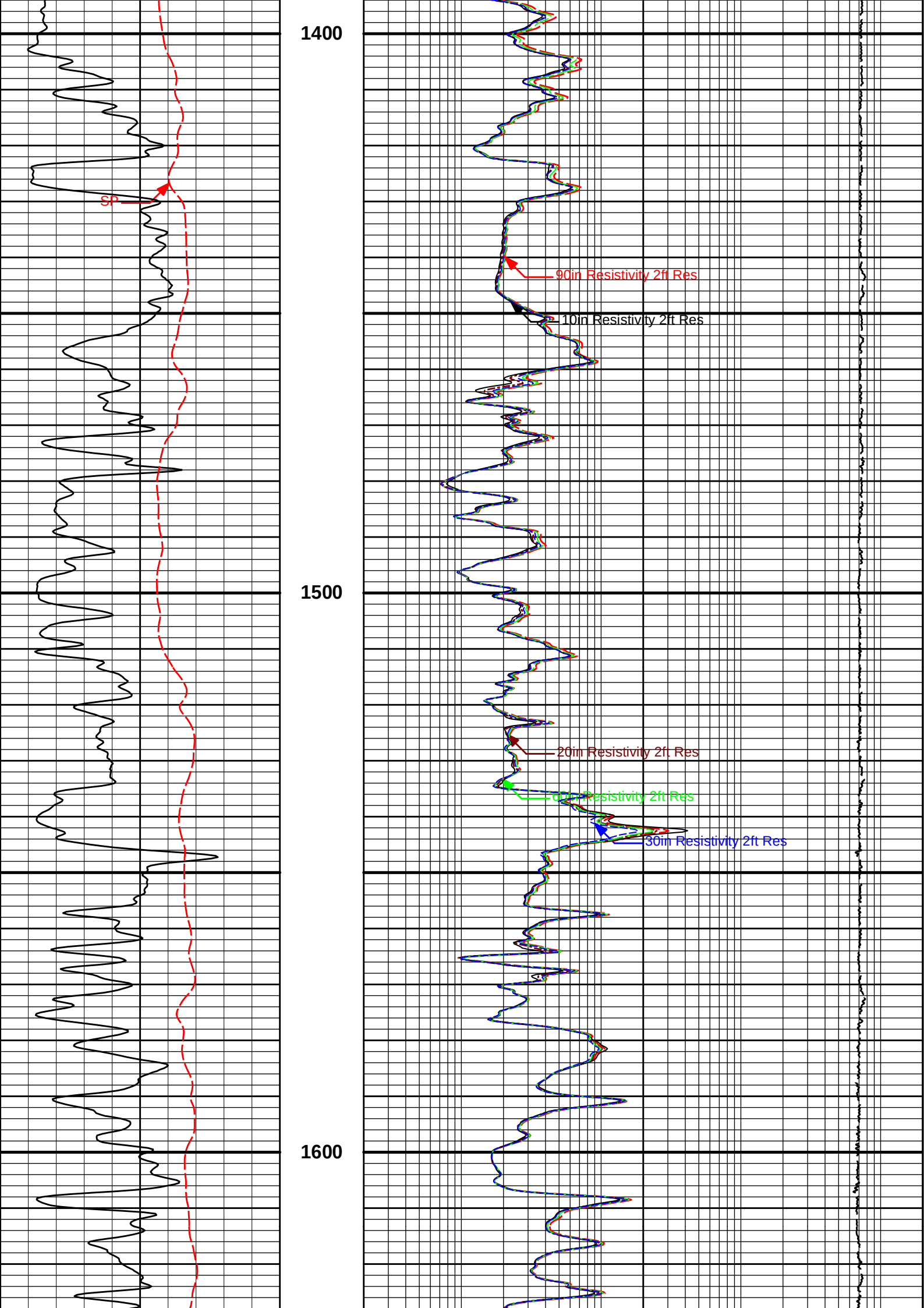

0.2
10in Resistivity 2ft Res
2K
ohmm
0.2
20in Resistivity 2ft Res
2000
ohmm
0.2
30in Resistivity 2ft Res
2000
ohm-metre
0.2
60in Resistivity 2ft Res
2000
ohmm
SP
-]20[+
0.2
90in Resistivity 2ft Res
2K
ohmm
0
Gamma API
150
api
15K
Tension
0
pounds
CSG
60in Resistivity 2ft Res
20in Resistivity 2ft Res
30in Resistivity 2ft Res
400

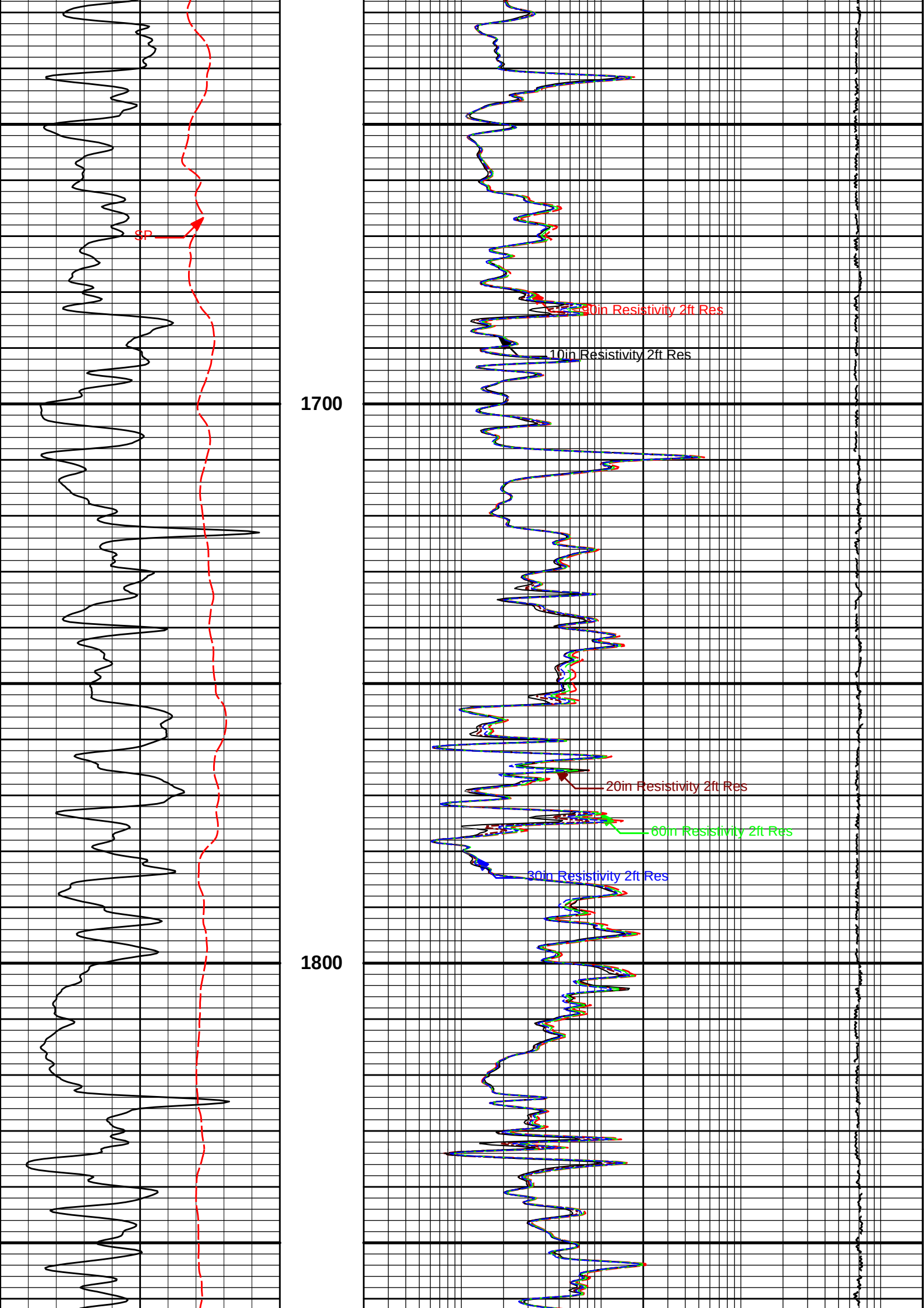

SP
10in Resistivity 2ft Res
90in Resistivity 2ft Res
500
20in Resistivity 2ft Res
60in Resistivity 2ft Res
30in Resistivity 2ft Res
600

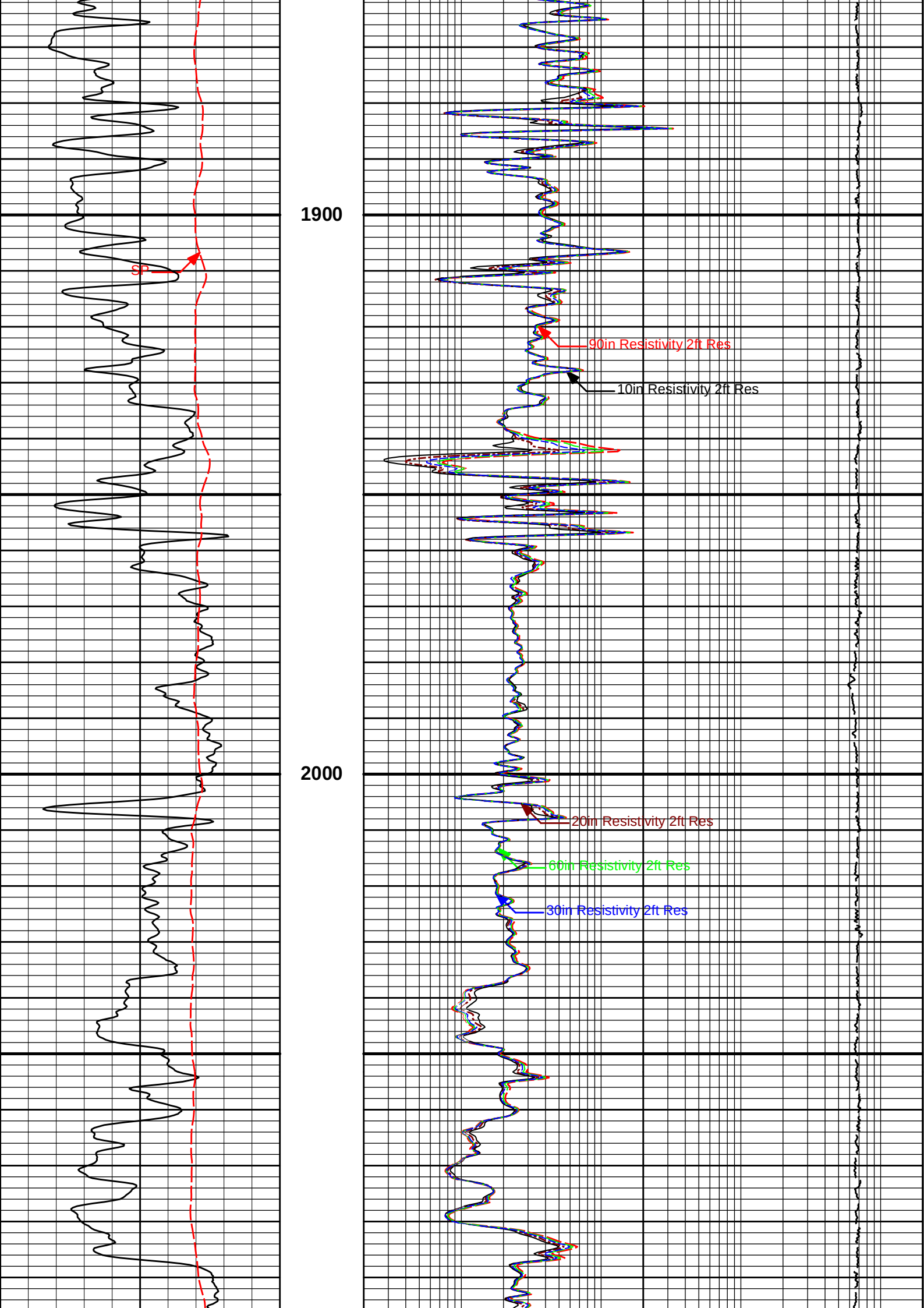

700
800
900
SP
10in Resistivity 2ft Res
90in Resistivity 2ft Res
20in Resistivity 2ft Res
30in Resistivity 2ft Res
60in Resistivity 2ft Res

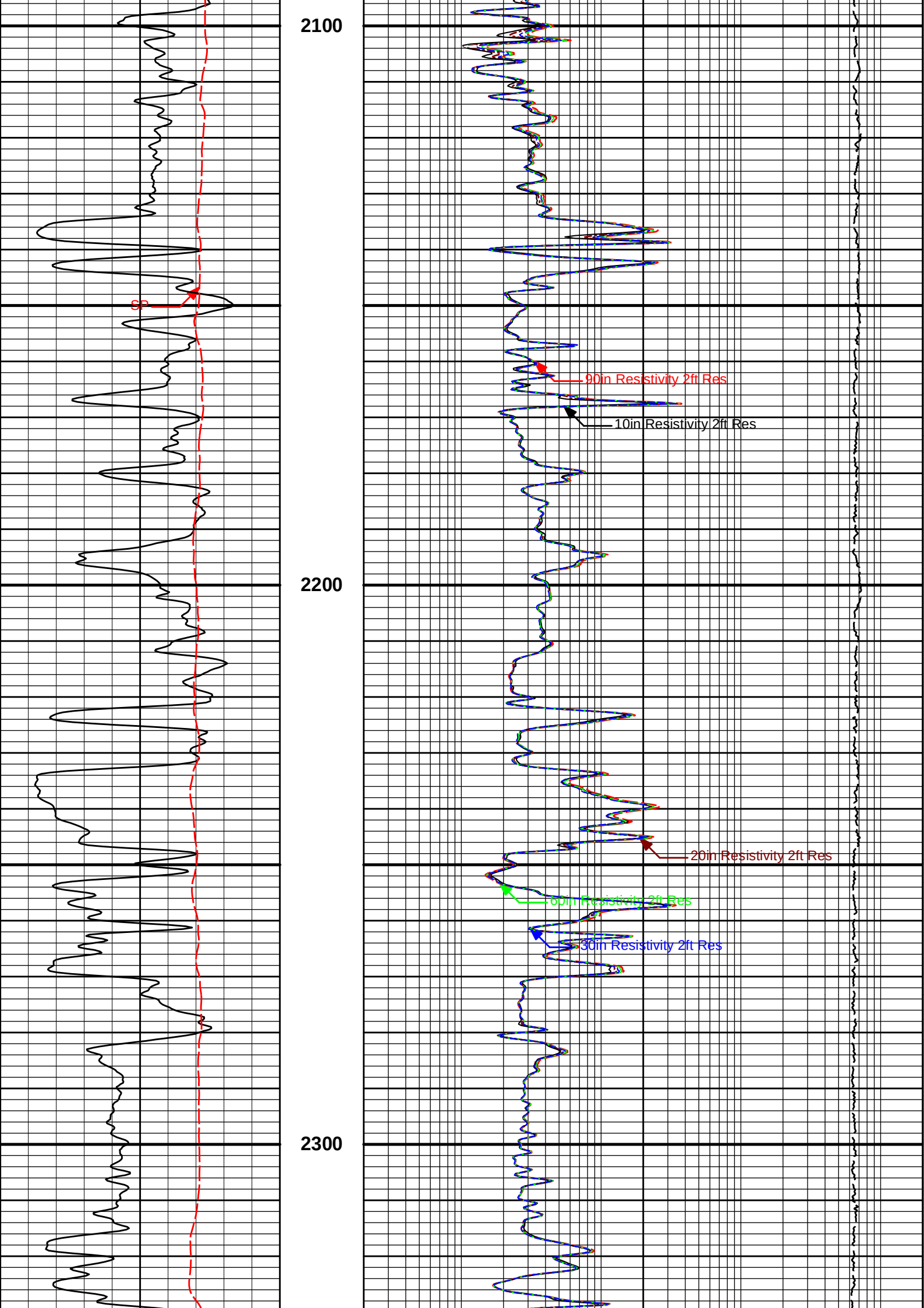

SP
90in Resistivity 2ft Res
10in Resistivity 2ft Res
1000
20in Resistivity 2ft Res
30in Resistivity 2ft Res
60in Resistivity 2ft Res
1100

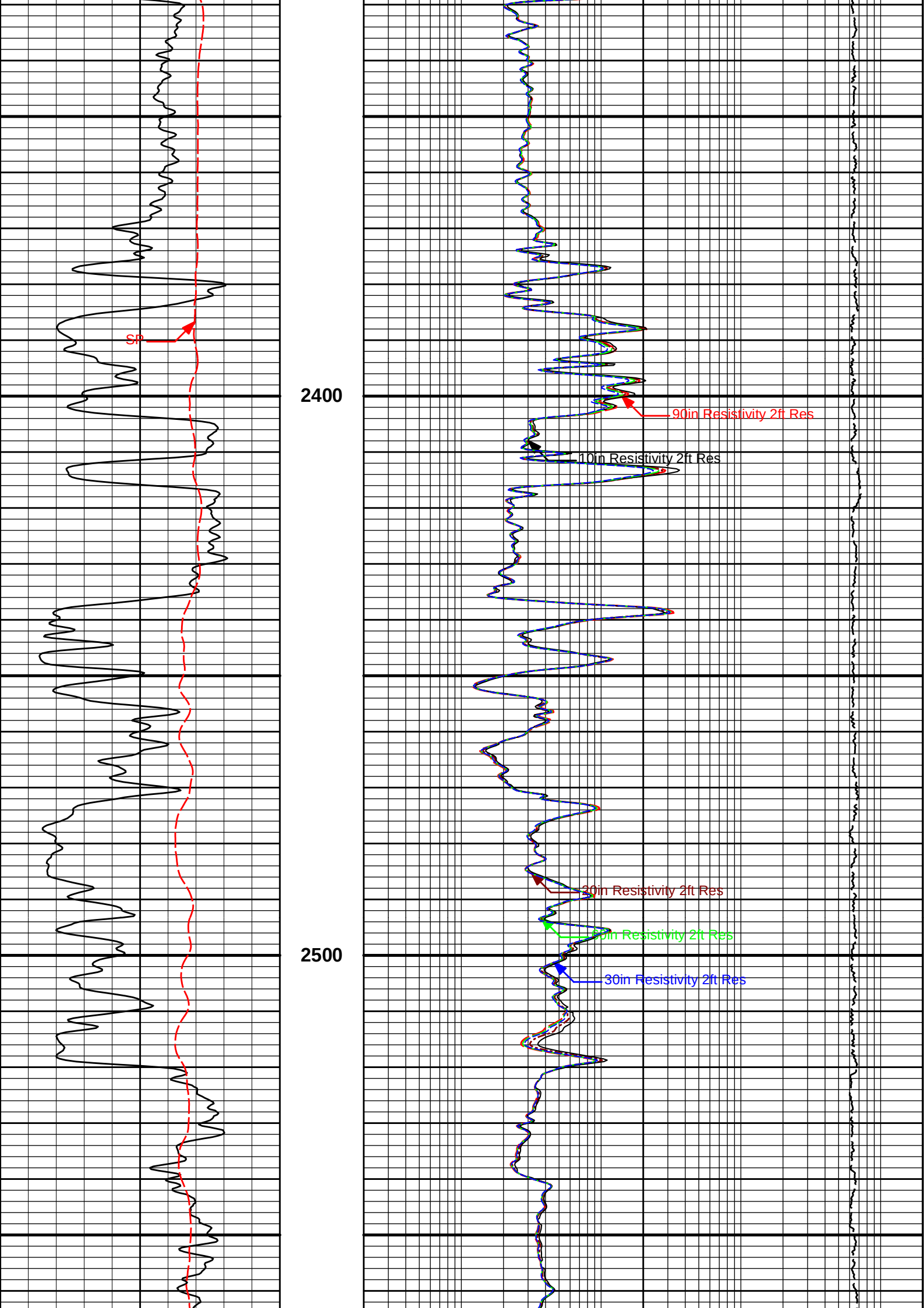

SP
1200
90in Resistivity 2ft Res
10in Resistivity 2ft Res
20in Resistivity 2ft Res
60in Resistivity 2ft Res
1300
30in Resistivity 2ft Res

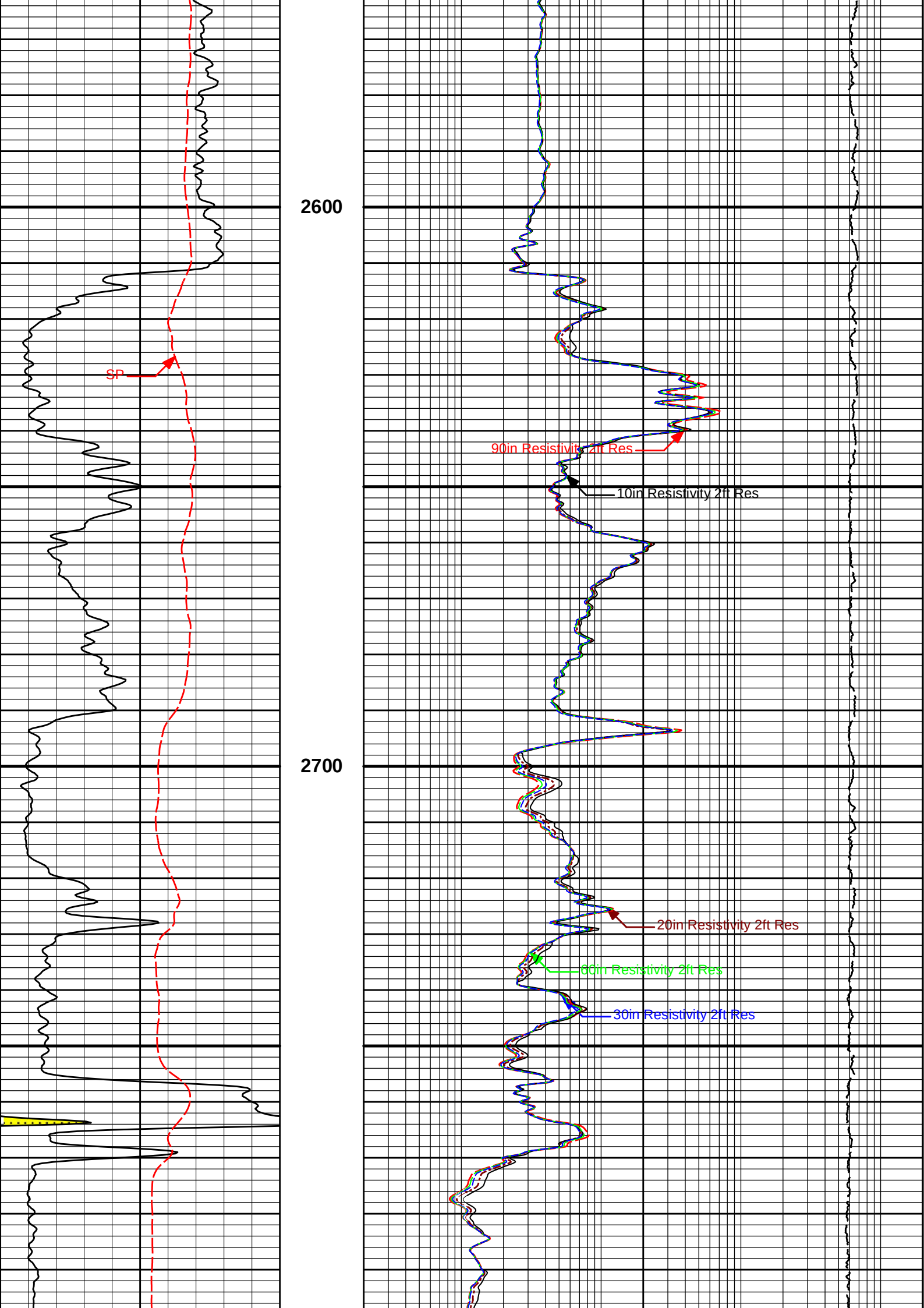

1400
1500
1600
SP
90in Resistivity 2ft Res
10in Resistivity 2ft Res
20in Resistivity 2ft Res
30in Resistivity 2ft Res

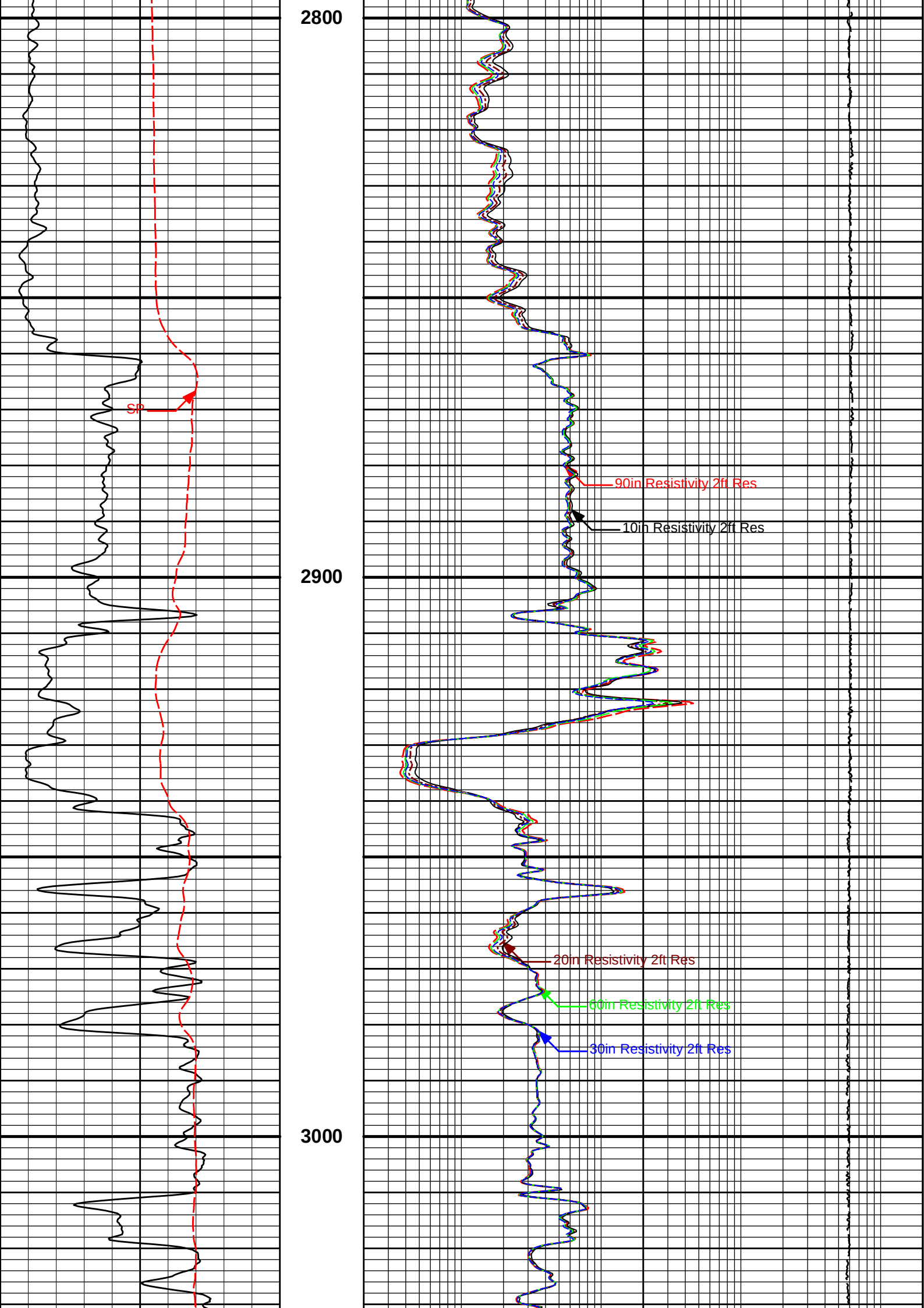

SP
60in Resistivity 2ft Res
10in Resistivity 2ft Res
1700
20in Resistivity 2ft Res
60in Resistivity 2ft Res
30in Resistivity 2ft Res
1800

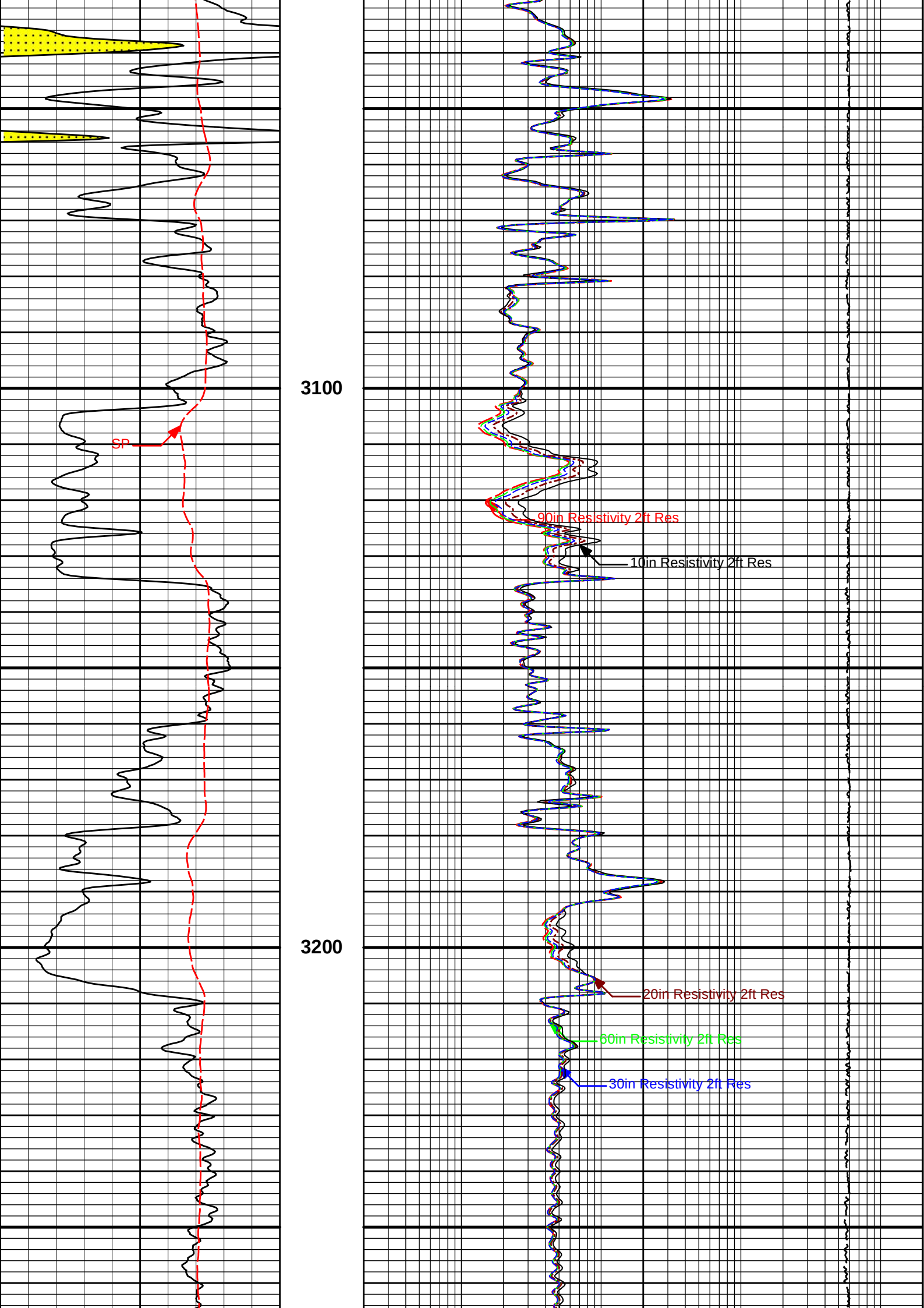

1900
2000
SP
90in Resistivity 2ft Res
10in Resistivity 2ft Res
20in Resistivity 2ft Res
60in Resistivity 2ft Res
30in Resistivity 2ft Res

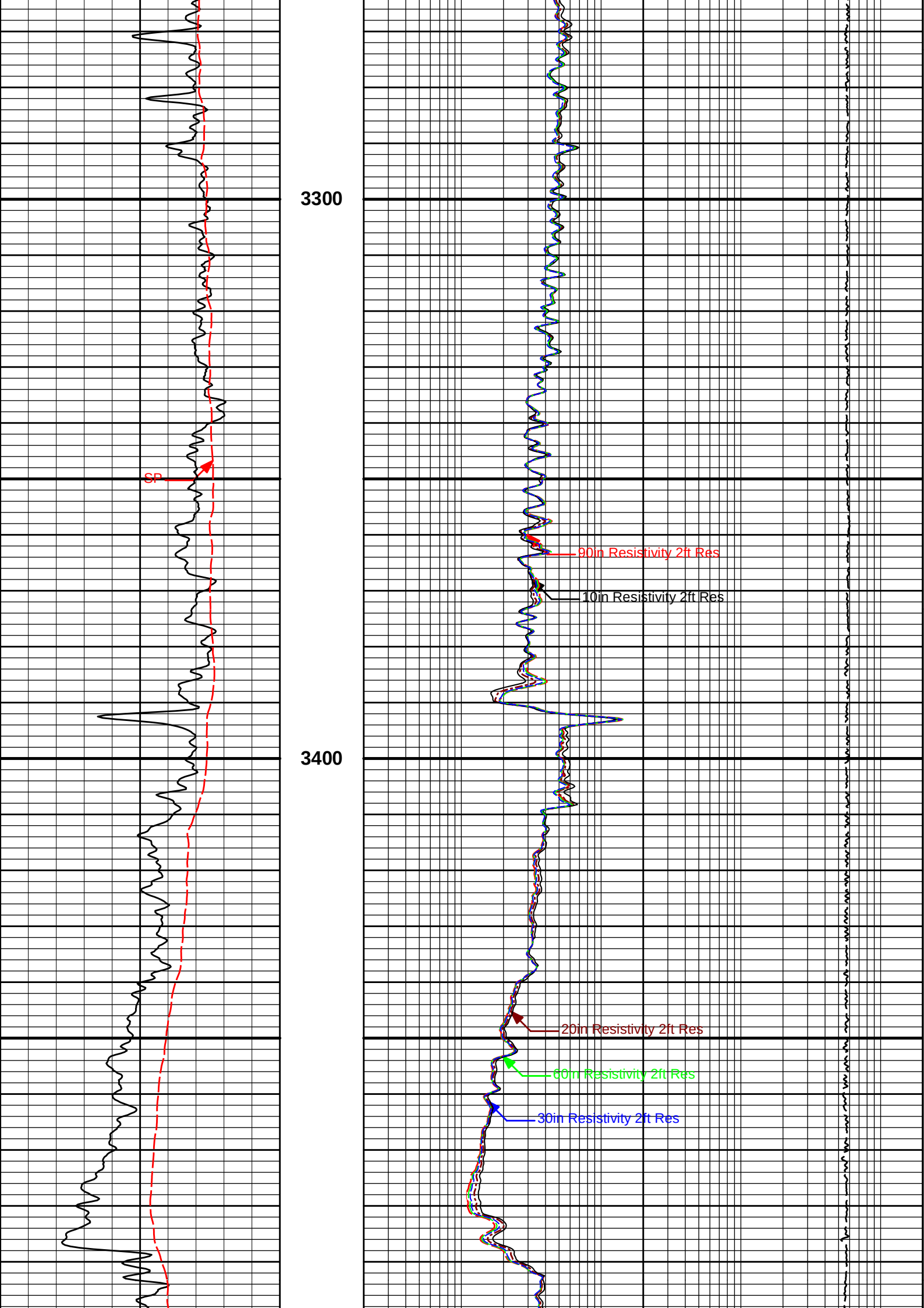

2100
2200
2300
SP
90in Resistivity 2ft Res
10in Resistivity 2ft Res
20in Resistivity 2ft Res
60in Resistivity 2ft Res
30in Resistivity 2ft Res

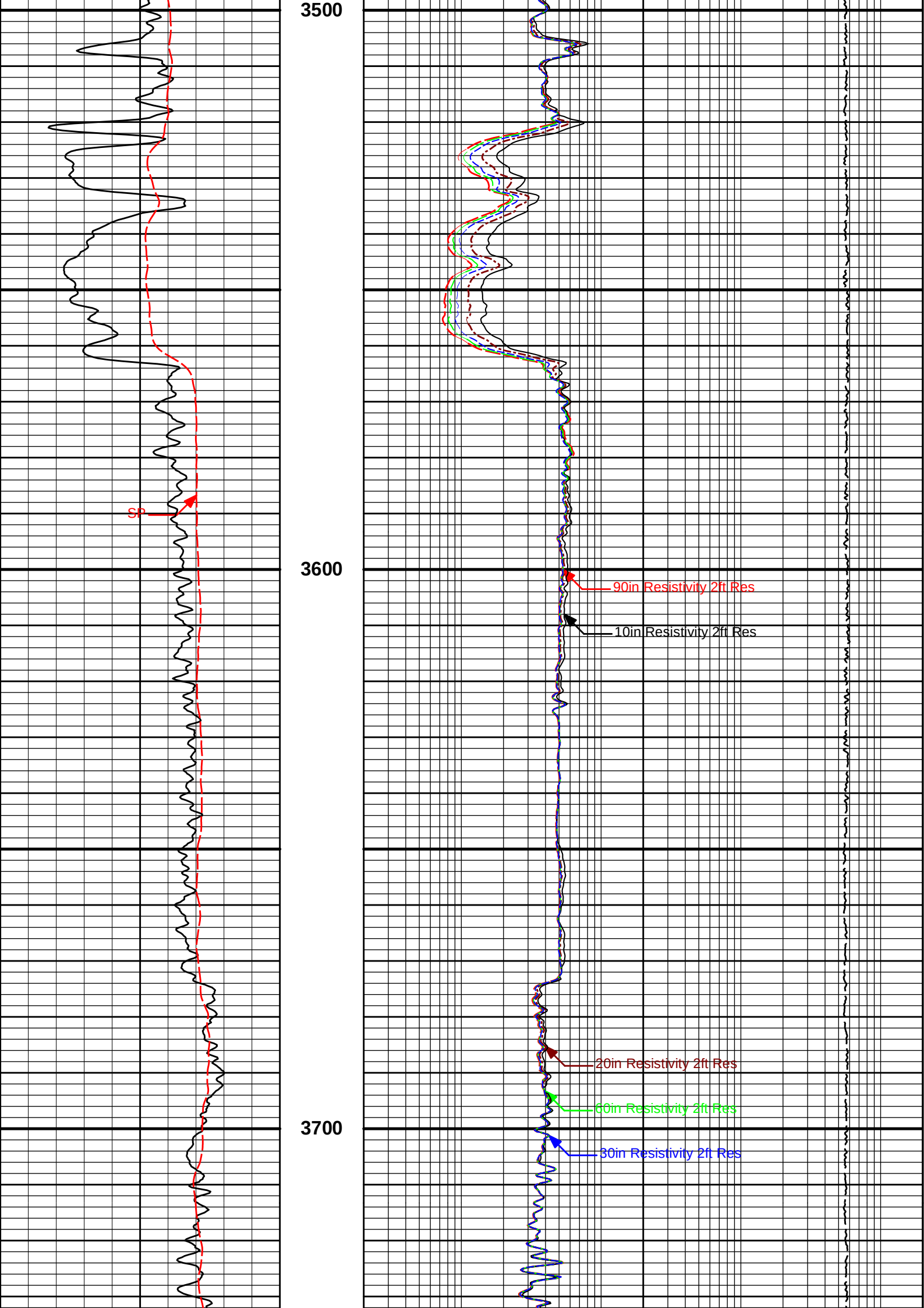

SP
2400
90in Resistivity 2ft Res
10in Resistivity 2ft Res
20in Resistivity 2ft Res
60in Resistivity 2ft Res
2500
30in Resistivity 2ft Res

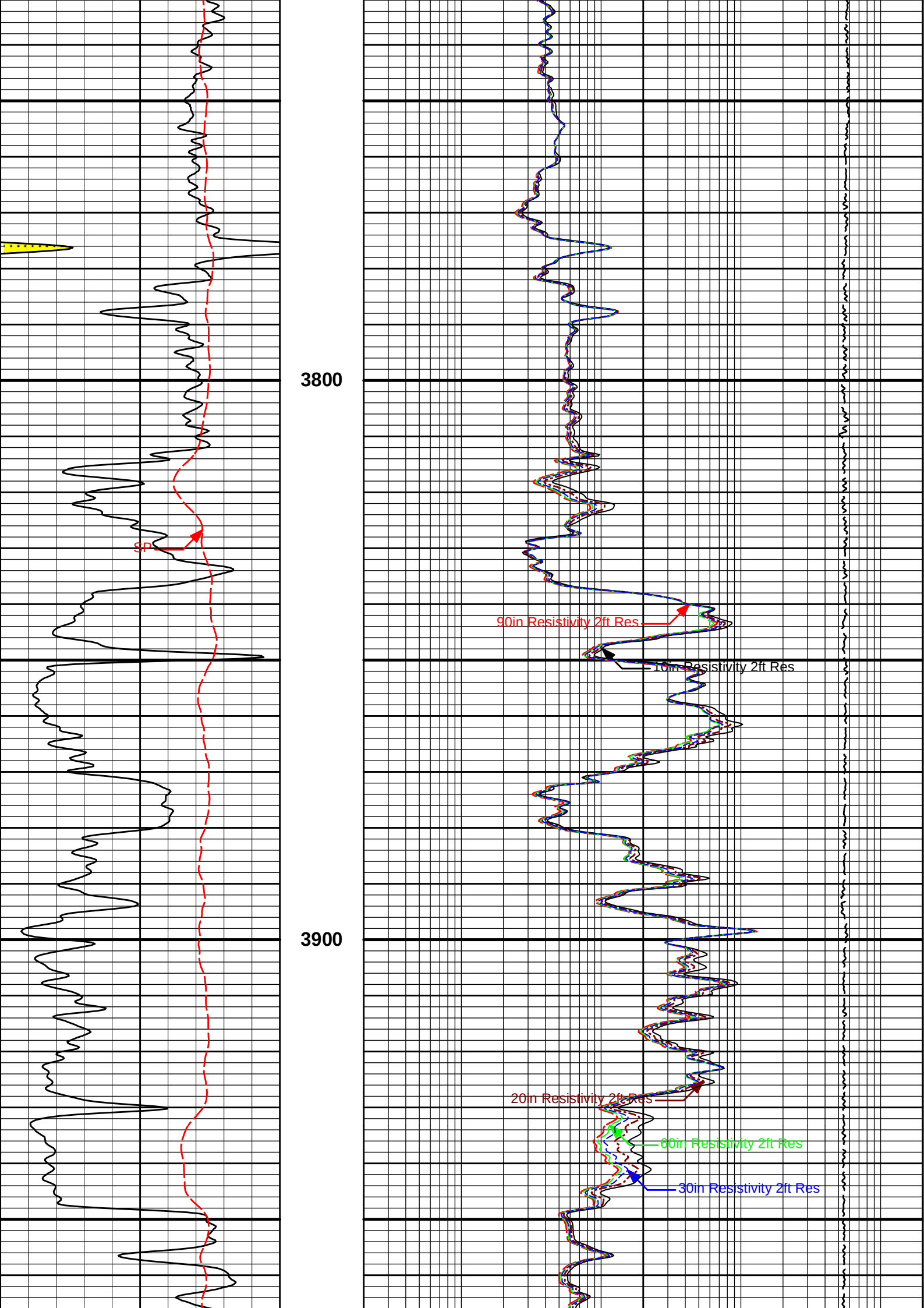

2600
2700
SP
90in Resistivity 2ft Res
10in Resistivity 2ft Res
20in Resistivity 2ft Res
60in Resistivity 2ft Res
30in Resistivity 2ft Res

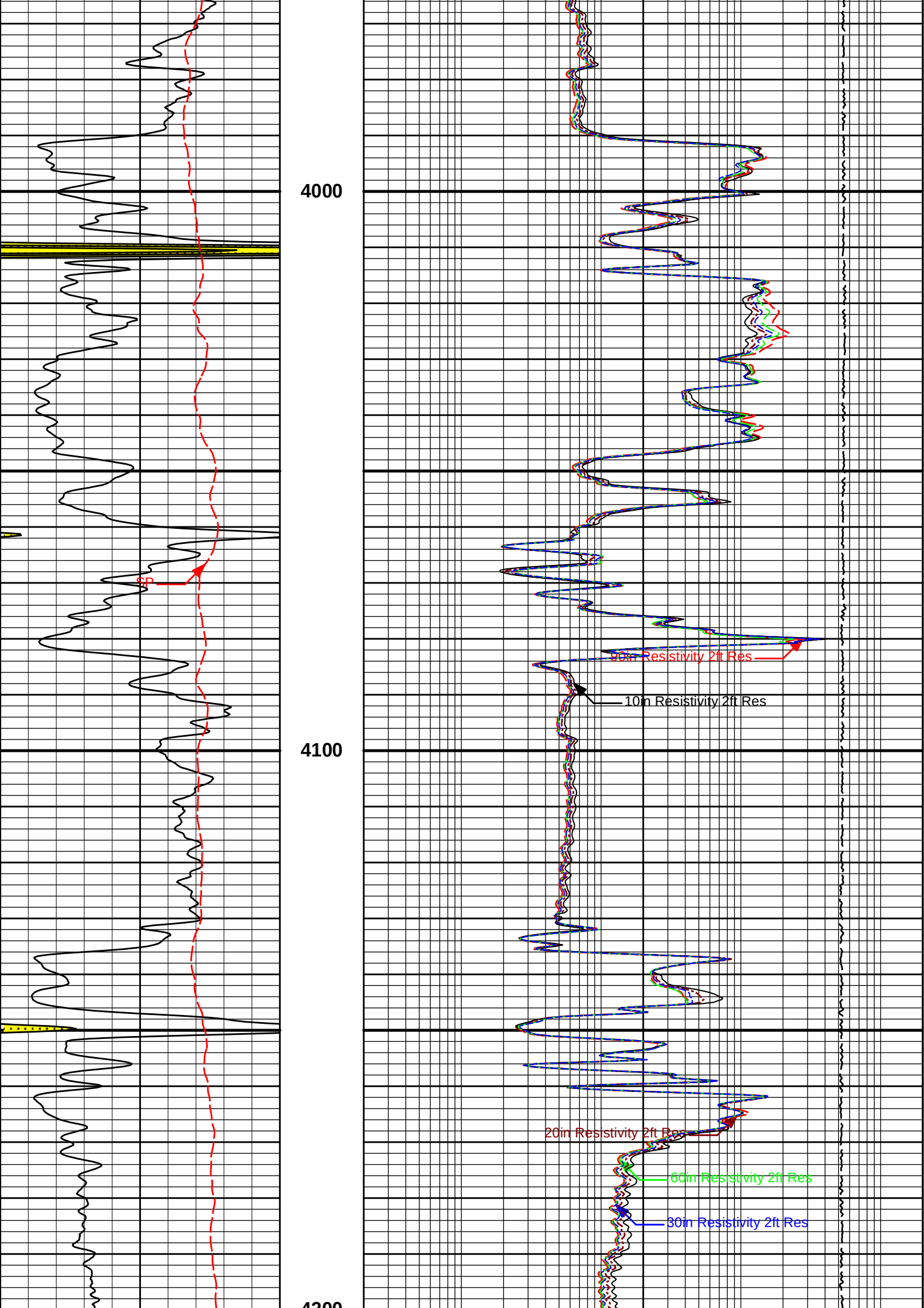

2800
2900
3000
SP
90in Resistivity 2ft Res
10in Resistivity 2ft Res
20in Resistivity 2ft Res
60in Resistivity 2ft Res
30in Resistivity 2ft Res

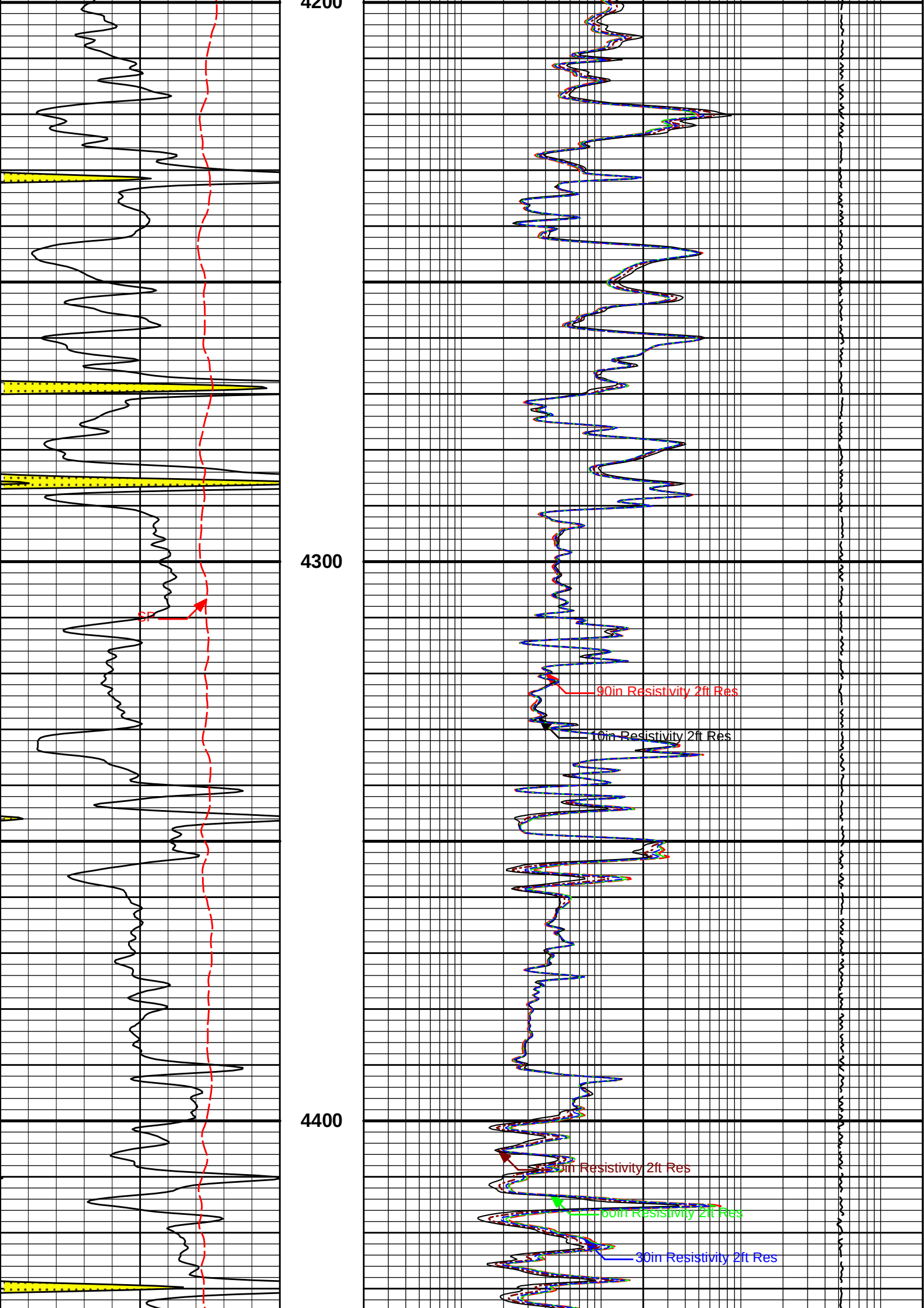

3100
3200
SP
90in Resistivity 2ft Res
10in Resistivity 2ft Res
20in Resistivity 2ft Res
60in Resistivity 2ft Res
30in Resistivity 2ft Res

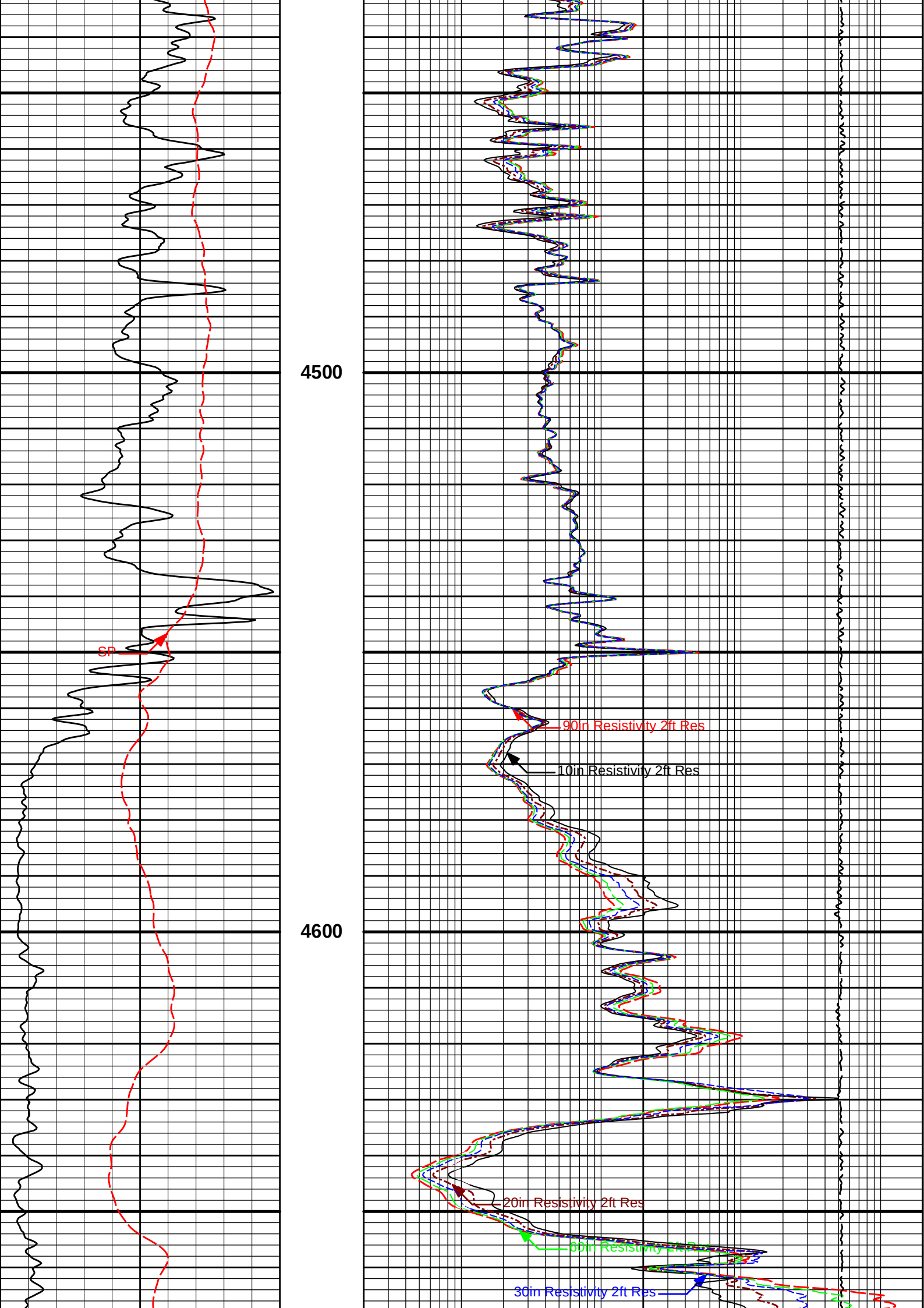

3300
3400
SP
90in Resistivity 2ft Res
10in Resistivity 2ft Res
20in Resistivity 2ft Res
60in Resistivity 2ft Res
30in Resistivity 2ft Res

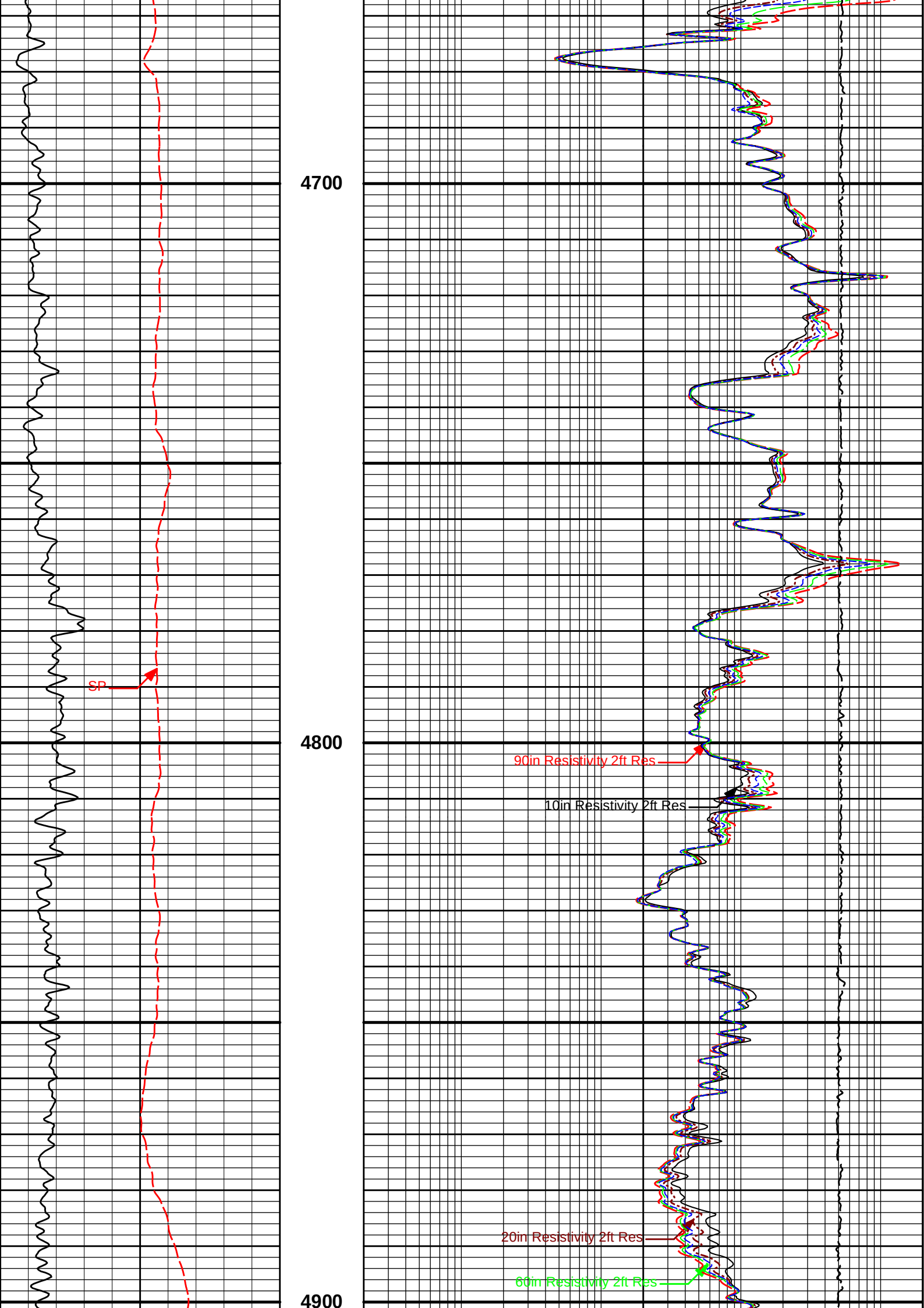

3500
3600
3700
SP
90in Resistivity 2ft Res
10in Resistivity 2ft Res
20in Resistivity 2ft Res
60in Resistivity 2ft Res
30in Resistivity 2ft Res

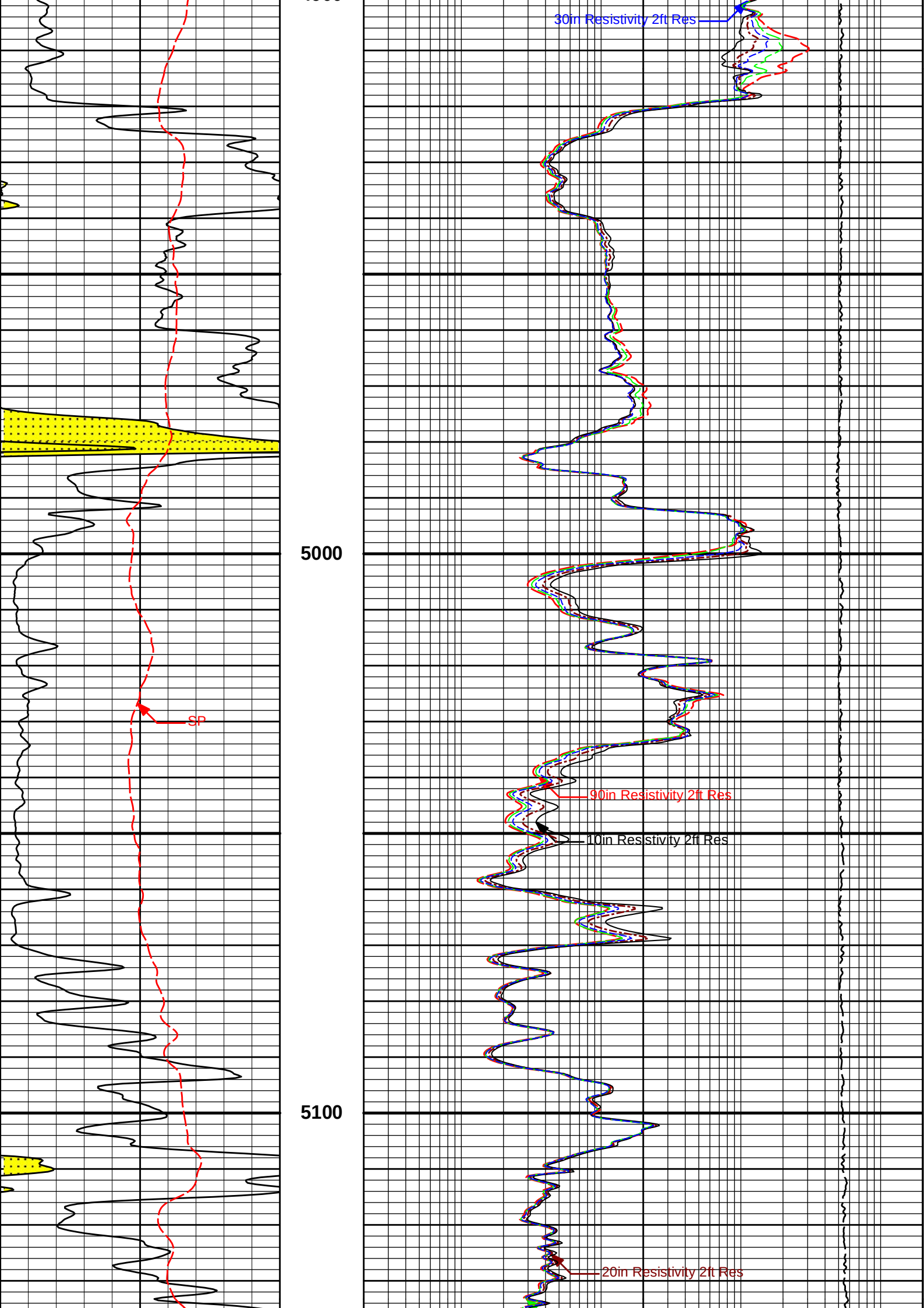

3800
SP
90in Resistivity 2ft Res
10in Resistivity 2ft Res
3900
20in Resistivity 2ft Res
60in Resistivity 2ft Res
30in Resistivity 2ft Res

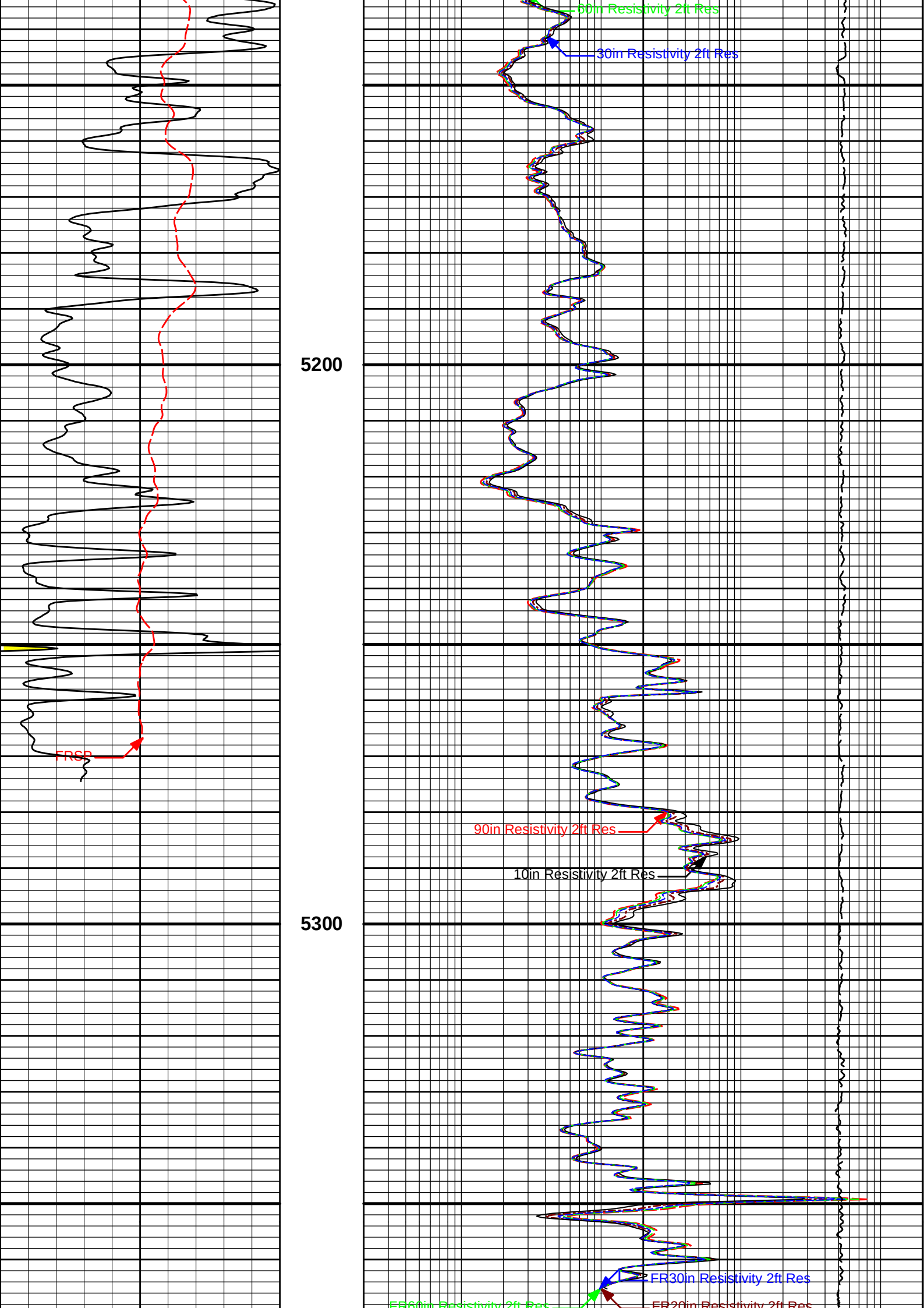

4000
SP
90in Resistivity 2ft Res
10in Resistivity 2ft Res
4100
20in Resistivity 2ft Res
60in Resistivity 2ft Res
30in Resistivity 2ft Res


4200
4300
4400
SP
90in Resistivity 2ft Res
10in Resistivity 2ft Res
30in Resistivity 2ft Res


4500
4600
SP
90in Resistivity 2ft Res
10in Resistivity 2ft Res
20in Resistivity 2ft Res
60in Resistivity 2ft Res
30in Resistivity 2ft Res


4700
4800
4900
SP
90in Resistivity 2ft Res
10in Resistivity 2ft Res
20in Resistivity 2ft Res
60in Resistivity 2ft Res


30in Resistivity 2ft Res
SP
5000
90in Resistivity 2ft Res
10in Resistivity 2ft Res
5100
20in Resistivity 2ft Res


60in Resistivity 2ft Res
30in Resistivity 2ft Res
5200
FRSP
90in Resistivity 2ft Res
10in Resistivity 2ft Res
5300
FR30in Resistivity 2ft Res
FR20in Resistivity 2ft Res

0 Gamma API 150		15K Tension 0
api		pounds
SP	0.2 90in Resistivity 2ft Res 2K	
-]20[+	ohmm	
	0.2 60in Resistivity 2ft Res 2000	
	ohmm	
	0.2 30in Resistivity 2ft Res 2000	
	ohm-metre	
	0.2 20in Resistivity 2ft Res 2000	
	ohmm	
	0.2 10in Resistivity 2ft Res 2K	
	ohmm	

HALLIBURTON

Plot Time: 05-Oct-17 08:58:22
Plot Range: 300 ft to 5378.08 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-004\
Plot File: \\-LOCAL-\DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\ACRT\ACRT_5inch_main

5 INCH MAIN LOG

5 INCH MAIN LOG

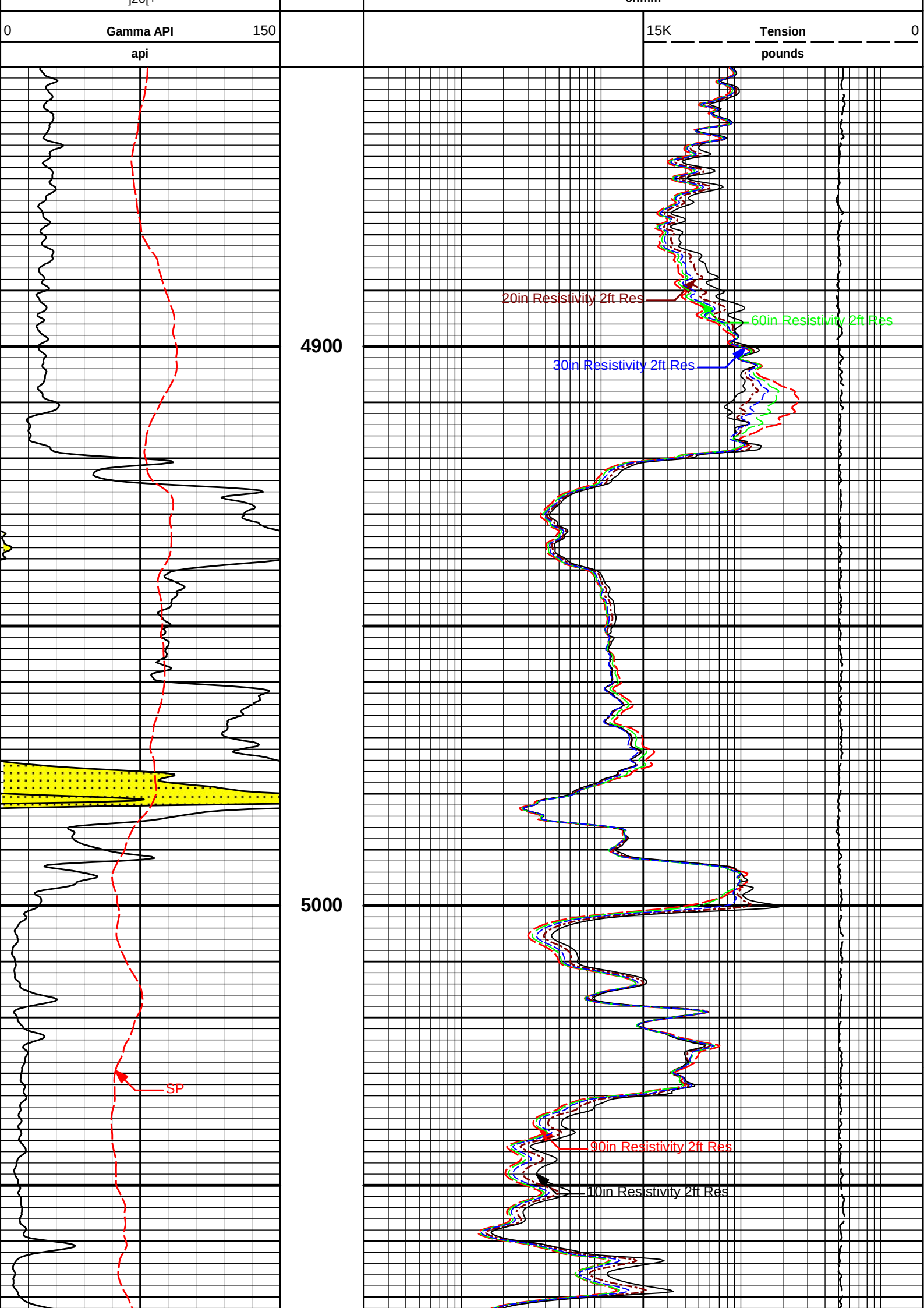
HALLIBURTON

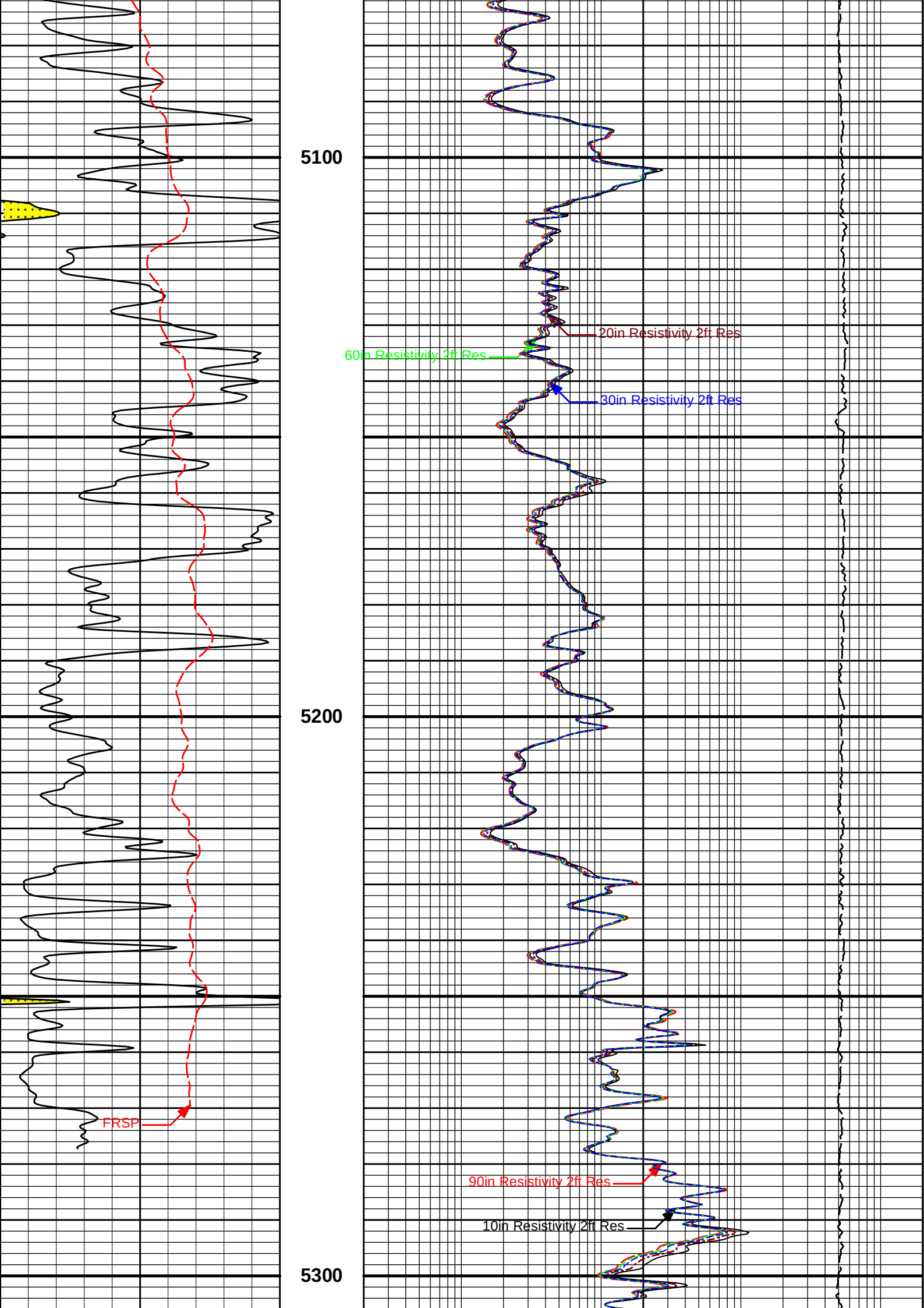
Plot Time: 05-Oct-17 08:58:23
Plot Range: 4850 ft to 5381 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-003\
Plot File: \\-LOCAL-\DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\ACRT\ACRT_5inch_main

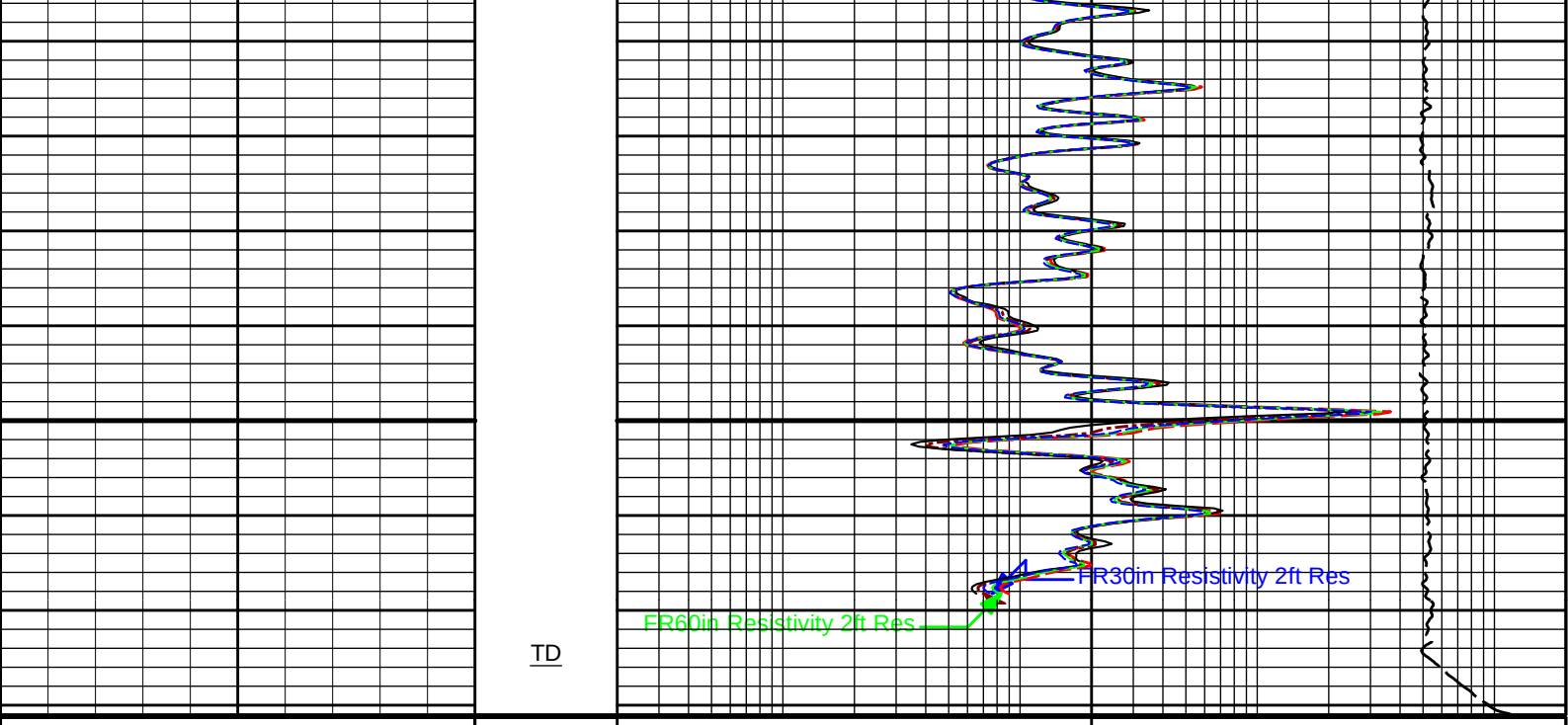
REPEAT SECTION

REPEAT SECTION

	0.2 10in Resistivity 2ft Res 2K
	ohmm
	0.2 20in Resistivity 2ft Res 2000
	ohmm
	0.2 30in Resistivity 2ft Res 2000
	ohm-metre
	0.2 60in Resistivity 2ft Res 2000
	ohmm
SP	0.2 90in Resistivity 2ft Res 2K
-]20[+	ohmm


0
Gamma API
150
api
15K
Tension
0
pounds
20in Resistivity 2ft Res
60in Resistivity 2ft Res
30in Resistivity 2ft Res
4900
5000
SP
90in Resistivity 2ft Res
10in Resistivity 2ft Res


5100
5200
5300
20in Resistivity 2ft Res
60in Resistivity 2ft Res
30in Resistivity 2ft Res
FRSP
90in Resistivity 2ft Res
10in Resistivity 2ft Res



0 Gamma API 150		15K Tension 0
api		pounds
SP	0.2 90in Resistivity 2ft Res 2K	
-]20[+	ohmm	
	0.2 60in Resistivity 2ft Res 2000	
	ohmm	
	0.2 30in Resistivity 2ft Res 2000	
	ohm-metre	
	0.2 20in Resistivity 2ft Res 2000	
	ohmm	
	0.2 10in Resistivity 2ft Res 2K	
	ohmm	

HALLIBURTON

Plot Time: 05-Oct-17 08:58:25
Plot Range: 4850 ft to 5381 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-003\
Plot File: \\-LOCAL-\DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\ACRT\ACRT_5inch_main

REPEAT SECTION

REPEAT SECTION

HALLIBURTON

CALIBRATION REPORT

SURFACE TENSION SHOP CALIBRATION

Tool Name:	Depth Panel - PROT01	Reference Calibration Date:	07-Sep-17 10:42:25
Engineer:	MICHAEL RICHTER	Calibration Date:	01-Oct-17 13:42:57
Software Version:	WL INSITE R5.0.5 (Build 8)	Calibration Version:	1

SURFACE TENSION LOAD CELL

Measurement	Load Cell Value	Measurement	Calibrated	Units
Low	10816.53	58.43	0.00	lbs
High	17331.66	7897.67	7830.00	lbs

DOWNHOLE TENSION SHOP CALIBRATION

Tool Name: CH_HOS - CH_HOS_I
Reference Calibration Date: 01-Oct-17 13:46:35
Engineer: WHITLOCK
Calibration Date: 05-Oct-17 02:55:06
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1

DOWNHOLE LOAD CELL

Measurement	Tool Value	Measurement	Calibrated	Units
Low	-480.42	44.31	0.00	lbs
High	7781.74	2741.47	2250.00	lbs

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name: GTET - 11021139
Reference Calibration Date: 03-Aug-17 01:40:19
Engineer: WHITLOCK
Calibration Date: 23-Sep-17 12:22:06
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1

Calibrator Source S/N: TB79
Calibrator API Reference:222.00 api
Equivalent Calibrator API Reference:225.9 api

Measurement	Measured	Calibrated	Units
Background	18.8	18.6	api
Background + Calibrator	247.0	244.5	api
Calibrator	228.2	225.9	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name: GTET - 11021139
Reference Calibration Date: 23-Sep-17 12:22:06
Engineer: WHITLOCK
Calibration Date: 04-Oct-17 10:26:06
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1

Calibrator Source S/N: TB79
Calibrator API Reference:222.00 api
Equivalent Calibrator API Reference:225.9 api

Field Verification	Shop	Field	Units
Background	18.6	20.9	api
Background + Calibrator	244.5	245.7	api
Calibrator	225.9	224.8	api

Shop	Field	Difference	Tolerance
225.9	224.8	1.1	+/- 9.00

DUAL SPACED NEUTRON SHOP CALIBRATION

Tool Name: DSNT - 11020487
Reference Calibration Date: 05-Jun-17 14:14:28
Engineer: MICHAEL RICHTER
Calibration Date: 03-Aug-17 01:56:12
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1

Logging Source S/N: DSN-436
Tank Serial Number: EL RENO
Reference value assigned to Tank: 56.100
Snow Block S/N: 12156883
Calibration Tank Water Temperature: 72 degF
Min. Tool Housing Outside Diameter: 3.625 in

CALIBRATION CONSTANTS

Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	0.99837	0.99685	0.900 - 1.100

WATER TANK SUMMARY (Horizontal Water Tank)				
Measurement	Current Reading (Previous Coef.)	Calibrated (New Coef.)	Change	Control Limit On Change
Porosity (decp):	0.2363	0.2358	0.0005	+/- 0.0020
Calibrated Ratio:	10.5757	10.5596	0.016	+/- 0.050

VERIFIER		
Measurement	Value	Control Limit
Snow-Block Porosity (decp):	0.0746	0.02000 - 0.09000

PASS/FAIL SUMMARY	
Background Check:	Passed
Gain-Range Check:	Passed
Snow-Block Check:	Passed

DUAL SPACED NEUTRON FIELD CALIBRATION

Tool Name: DSNT - 11020487 **Reference Calibration Date:** 03-Aug-17 01:56:12

Engineer: WHITLOCK **Calibration Date:** 04-Oct-17 10:36:11

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

Logging Source S/N: DSN-436

Snow Block S/N: 12156883

NEUTRON FIELD-CHECK SUMMARY				
	Shop	Field	Difference	Control Limit On Change
Snow-Block Porosity (decp):	0.0746	0.0691	-0.0054	+/- 0.0150

PASS/FAIL SUMMARY	
Block Change Check:	Passed
Snow Block Stat Check:	Passed
Temperature Check:	Passed

DENSITY CALIPER SHOP CALIBRATION

Tool Name: SDLT - 11014296 **Reference Calibration Date:** 06-Nov-16 12:09:13

Engineer: MICHAEL RICHTER **Calibration Date:** 15-Mar-17 09:33:53

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

Host Tool Name: DSNT - 11020487

CALIBRATION COEFFICIENTS			
Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-4335.63	-4512.85	-7000.00 - -1000.00
Pad Gain	0.0003910	0.0004190	0.0002000 - 0.0006000
Arm Offset	-3121.03	-2559.45	-5000.00 - 3000.00
Arm Gain	0.0005117	0.0005078	0.000300 - 0.000700
Arm Power	-0.000003980	-0.000003959	-0.000010000 - 0.000010000

The ring diameter is computed from: DIAMETER = PAD EXTENSION + ARM EXTENSION + TOOL DIAMETER

Tool Diameter: 4.50 in

CALIBRATION RINGS				
Measurement	Current Reading (Previous Coeff.)	Calibrated (New Coeff.)	Change	Control Limit On New Value
PAD EXTENSION:				
Small Ring (in)	1.94	2.00	0.06	+/- 0.20
Medium Ring (in)	3.57	3.75	0.18	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.31	6.50	0.19	+/- 0.20
Medium Ring (in)	8.08	8.25	0.17	+/- 0.20

Large Ring (in)	14.92	15.00	0.08	+/- 0.20

PASS/FAIL SUMMARY	
Calibration-Coefficients Range Check:	Passed
Ring-Measurement Check:	Passed

PASS/FAIL SUMMARY	
Calibration-Coefficients Range Check:	Passed

SDLT CALIPER FIELD CALIBRATION

Tool Name: SDLT - 11014296 **Reference Calibration Date:** 15-Mar-17 09:33:53

Engineer: WHITLOCK **Calibration Date:** 04-Oct-17 10:11:22

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

MEASURED CALIPER VALUES

Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.84	0.09	+/- 0.10
Ring Diameter	8.25	8.31	0.06	+/- 0.15

PASS/FAIL SUMMARY	
Pad Extension Check:	Passed
Diameter Check:	Passed

ICT SHOP CALIBRATION

Tool Name: ICT Mandrel - 11019427 **Reference Calibration Date:** 13-Mar-17 09:40:53

Engineer: WHITLOCK **Calibration Date:** 18-Jul-17 15:19:04

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

CALIPERS AND RINGS

Ring	Measured	Calibrated	Units
CALIPER 1:			
Small Ring	3.66	3.65	in
Medium Ring	7.95	8.00	in
Large Ring	14.93	15.00	in
X-Large Ring	20.97	21.00	in
CALIPER 2:			
Small Ring	3.61	3.65	in
Medium Ring	7.93	8.00	in
Large Ring	14.88	15.00	in
X-Large Ring	20.97	21.00	in
CALIPER 3:			
Small Ring	3.56	3.65	in
Medium Ring	7.98	8.00	in
Large Ring	14.88	15.00	in
X-Large Ring	20.99	21.00	in
CALIPER 4:			
Small Ring	3.61	3.65	in
Medium Ring	8.12	8.00	in
Large Ring	15.14	15.00	in
X-Large Ring	21.13	21.00	in
CALIPER 5:			
Small Ring	3.67	3.65	in
Medium Ring	8.17	8.00	in
Large Ring	15.15	15.00	in
X-Large Ring	21.07	21.00	in
CALIPER 6:			
Small Ring	3.71	3.65	in
Medium Ring	7.97	8.00	in

Large Ring	14.91	15.00	in
X-Large Ring	21.02	21.00	in

ICT FIELD CALIBRATION

Tool Name:	**ICT Mandrel - 11019427**	**Reference Calibration Date:**	**18-Jul-17 15:19:04**
Engineer:	**WHITLOCK**	**Calibration Date:**	**18-Jul-17 15:21:59**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**

CALIPERS

Caliper	Shop	Field	Units
Caliper 1	8.00	7.99	in
Caliper 2	8.00	8.01	in
Caliper 3	8.00	8.04	in
Caliper 4	8.00	7.94	in
Caliper 5	8.00	7.89	in
Caliper 6	8.00	7.94	in

ACCELEROMETER AND MAGNETOMETER SHOP CALIBRATION

Tool Name:	**IDT - 10967514**	**Reference Calibration Date:**	**10-Nov-14 11:33:34**
Engineer:	**COTHREN**	**Calibration Date:**	**14-Dec-16 12:26:23**
Software Version:	**WL INSITE R4.6.4 (Build 3)**	**Calibration Version:**	**1**

Reference Gravity Field: 1.0000 g

Reference Magnetic Field: 51335.0000 nT

* QF : value of 0 is shown for bad quality if | data - reference | > (2 * standard deviation) and > (0.5% of reference value)

ACCELEROMETER CALIBRATION RAW DATA VALUE

Raw Acc X	Raw Acc Y	Raw Acc Z	Quality(Gravity)	Quality Error(%)	QF
0.1268	-0.7113	-0.0141	0.9994	99.9424	1
-0.7403	-0.0252	-0.0129	0.9992	99.9235	1
-0.0432	0.7420	-0.0113	1.0003	99.9746	1
0.7158	0.0658	-0.0112	0.9999	99.9905	1
-0.0175	0.7407	-0.0100	0.9977	99.7671	1
-0.2114	0.6948	0.0680	1.0009	99.9141	1
0.0781	0.7377	-0.0090	1.0012	99.8774	1
0.7151	0.0759	-0.0091	1.0001	99.9870	1
0.0491	-0.7229	-0.0102	1.0006	99.9353	1
-0.7344	0.1122	-0.0101	1.0002	99.9807	1
-0.1668	0.0184	0.3437	0.9999	99.9925	1
-0.7176	0.0946	-0.1010	1.0005	99.9493	1

ACCELEROMETER QUALITY SUMMARY

Average Calculated Gravity Field	1.0000	g
Standard Deviation Calculated Gravity Field	0.0009	g

ACCELEROMETER GAIN AND OFFSET

	GAIN	OFFSET
ACC X	1.3699508905	0.0160978194
ACC Y	1.3627022505	-0.0118573820
ACC Z	2.7102901936	0.0454349816

* QF : value of 0 is shown for bad quality if | data - reference | > (3 * standard deviation) and > (1% of reference value)

MAGNETOMETER CALIBRATION RAW DATA VALUE

Raw Mag X	Raw Mag Y	Raw Mag Z	Quality(Magnetic)	Quality Error(%)	QF
0.3189	1.2136	-0.0366	51305.3477	99.9422	1
1.1457	-0.4995	-0.0357	51326.3047	99.9831	1
-0.4790	-1.1617	-0.0382	51247.0586	99.8287	1
-1.1473	0.4544	-0.0380	51335.7422	99.9986	1
-0.0417	-1.1452	0.5204	51472.4219	99.7323	1

0.3664	-1.1738	-0.2978	51207.5703	99.7518	1
-0.0956	-1.1427	-0.5514	51429.5430	99.8158	1
-1.1056	-0.1453	-0.5516	51324.2305	99.9790	1
-0.1284	1.1286	-0.5495	51366.8320	99.9380	1
1.1259	-0.1261	-0.5477	51451.1289	99.7738	1
0.6240	-0.3637	1.0059	51288.5703	99.9096	1
0.9562	-0.0795	-0.8158	51261.5703	99.8570	1

MAGNETOMETER QUALITY SUMMARY		
Average Calculated Magnetic Field	51334.6953	nT
Standard Deviation Calculated Magnetic Field	82.5240	nT

MAGNETOMETER GAIN AND OFFSET		
	GAIN	OFFSET
MAG X	41430.1796875000	-265.9770507813
MAG Y	40740.3945312500	197.8235168457
MAG Z	41000.8906250000	735.6057739258

Noise Level Value: 0.000803 cnts

Noise Level Cal Value: 0.0022 g

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name:	**ACRt Sonde - 11038385**	**Reference Calibration Date:**	**12-Sep-17 13:48:00**
Engineer:	**JORGE ORLANDO PEREZ**	**Calibration Date:**	**12-Sep-17 13:58:19**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**
Host Tool Name:	**ACRt Instrument - 11055059**		

TYPICAL GAIN RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.0395	1.05	0.95	1.0229	1.05	0.95	1.0146	1.05
A2 (50")	0.95	1.0409	1.05	0.95	1.0225	1.05	0.95	1.0165	1.05
A3 (29")	0.95	1.0384	1.05	0.95	1.0194	1.05	0.95	1.0115	1.05
A4 (17")	0.95	1.0343	1.05	0.95	1.0133	1.05	0.95	1.0069	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.0083	1.05	0.95	0.9989	1.05
A6 (6")	N/A	N/A	N/A	0.95	1.0000	1.05	0.95	0.9929	1.05

SONDE OFFSET

Subarray	R12KHz	R36KHz	R72KHz
	(mmho/m)	(mmho/m)	(mmho/m)
A1 (80")	0.702	-4.637	-5.501
A2 (50")	-0.771	-4.034	-5.172
A3 (29")	-13.230	-3.699	-3.350
A4 (17")	-110.240	-33.969	-26.356
A5 (10")	N/A	-83.665	-41.621
A6 (6")	N/A	333.771	173.557

TRANSMITTER CURRENT GAIN

Signal	Lower	R	Upper
12K	0.6	0.90	1.3
36K	1.0	1.36	2.0
72K	1.0	1.62	2.0

R-MUD VERIFICATION

Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
Mud Cell	0.95	1.00	1.05

PASS/FAIL SUMMARY	
GAIN RANGE CHK	PASS

SONDE OFFSET CHK	PASS

TOOL OK TO LOG

QUALITY CHECK SHOP CALIBRATION

Tool Name:	**ACRt Sonde - 11038385**	**Reference Calibration Date:**	**12-Sep-17 13:59:44**
Engineer:	**JORGE ORLANDO PEREZ**	**Calibration Date:**	**12-Sep-17 14:00:57**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**
Host Tool Name:	**ACRt Instrument - 11055059**		

STANDARD DEVIATIONS

	R12KHz			R36KHz			R72KHz		
	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail
A1 (80")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A2 (50")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A3 (29")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A4 (17")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A5 (10")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A6 (6")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass

AVERAGES

	R12KHz			R36KHz			R72KHz		
	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail
A1 (80")	0.000	< 0.500	Pass	-0.001	> -0.500	Pass	-0.006	> -0.500	Pass
A2 (50")	0.000	< 0.500	Pass	-0.001	> -0.500	Pass	-0.005	> -0.500	Pass
A3 (29")	-0.000	< 0.500	Pass	-0.001	> -0.500	Pass	-0.003	> -0.500	Pass
A4 (17")	-0.003	> -0.500	Pass	-0.008	> -0.500	Pass	-0.027	> -0.500	Pass
A5 (10")	-0.012	> -0.500	Pass	-0.020	> -0.500	Pass	-0.043	> -0.500	Pass
A6 (6")	0.015	< 0.500	Pass	0.074	< 0.500	Pass	0.160	< 0.500	Pass

GAIN TOLERANCE

R12KHz

	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail
A1 (80")	-223155904.000	-223150640.000	5264.000	11157532.000	Pass
A2 (50")	-220713888.000	-220710416.000	3472.000	11035520.800	Pass
A3 (29")	-216614880.000	-216612000.000	2880.000	10830600.000	Pass
A4 (17")	-214578320.000	-214578224.000	96.000	10728911.200	Pass
A5 (10")	-214986432.000	-214982096.000	4336.000	10749104.800	Pass
A6 (6")	-214394544.000	-214391936.000	2608.000	10719596.800	Pass

R36KHz

	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail
A1 (80")	60628184.000	60610992.000	17192.000	3030549.600	Pass
A2 (50")	62049960.000	62033248.000	16712.000	3101662.400	Pass
A3 (29")	53214172.000	53197224.000	16948.000	2659861.200	Pass
A4 (17")	50561756.000	50544860.000	16896.000	2527243.000	Pass
A5 (10")	52600244.000	52584856.000	15388.000	2629242.800	Pass
A6 (6")	50656572.000	50641704.000	14868.000	2532085.200	Pass

R72KHz

	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail
A1 (80")	-92698504.000	-92694664.000	3840.000	4634733.200	Pass
A2 (50")	-89662344.000	-89657152.000	5192.000	4482857.600	Pass
A3 (29")	-89109216.000	-89105528.000	3688.000	4455276.400	Pass

A4 (17")	-84842648.000	-84836840.000	5808.000	4241842.000	Pass
A5 (10")	-83337800.000	-83332480.000	5320.000	4166624.000	Pass
A6 (6")	-84561904.000	-84554136.000	7768.000	4227706.800	Pass

PASS/FAIL SUMMARY	
Std Deviation Verification	Pass
Average Verification	Pass
Gain Tolerance Verification	Pass

MICRO LOG SHOP CALIBRATION

Tool Name: Microlog Pad - 11014296
Reference Calibration Date: 06-Jun-17 12:12:34
Engineer: MICHAEL RICHTER
Calibration Date: 03-Aug-17 02:26:45
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1
Host Tool Name: DSNT - 11020487

CALIBRATION COEFFICIENT SUMMARY

Measurement	Micro Log Normal		Micro Log Lateral		
	Measured	Calibrated	Measured	Calibrated	Units
Tool Zero	-0.21	-0.43	-0.01	0.00	ohmm
Calibration Point #1	0.23	0.00	-0.01	0.00	ohmm
Calibration Point #2	20.26	20.00	20.00	20.00	ohmm
Internal Reference	19.85	19.59	20.01	20.01	ohmm

Measurement	Micro Log Normal Tool Value	Micro Log Lateral Tool Value	Units
Tool Zero	-0.14	-1.30	V
Calibration Point #1	115.47	-2.05	V
Calibration Point #2	5448.88	6908.76	V
Internal Reference	5338.32	6913.91	V

MICRO LOG FIELD CHECK

Tool Name: Microlog Pad - 11014296
Reference Calibration Date: 03-Aug-17 02:26:45
Engineer: WHITLOCK
Calibration Date: 04-Oct-17 10:56:14
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1

Measurement	Micro Log Normal		Micro Log Lateral		
	Shop	Field	Shop	Field	Units
Tool Zero	-0.43	-0.44	0.00	0.01	ohmm
Internal Reference	19.59	19.46	20.01	19.88	ohmm

Summary

Signal	Shop	Field	Difference	Tolerence
Microlog Normal	19.59	19.46	0.13	+/- 0.80
Microlog Lateral	20.01	19.88	0.13	+/- 0.80

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name: SDLT Pad - 10809130
Reference Calibration Date: 25-May-17 12:11:12
Engineer: MICHAEL RICHTER
Calibration Date: 03-Aug-17 02:19:19
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1

Logging Source S/N: 5155GW
Aluminum Block S/N: EL RENO — Density: 2.581g/cc — Pe: 3.170
Magnesium Block S/N: EL RENO MG — Density: 1.687g/cc — Pe: 2.594

DENSITY CALIBRATION SUMMARY

Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	1.0466	0.9648	0.90 - 1.10

Near Dens Gain	1.0202	0.9664	0.90 - 1.10
Near Peak Gain	1.0587	0.9808	0.90 - 1.10
Near Lith Gain	1.0474	0.9899	0.90 - 1.10
Far Bar Gain	1.0144	1.0063	0.90 - 1.10
Far Dens Gain	1.0018	0.9910	0.90 - 1.10
Far Peak Gain	0.9968	0.9885	0.90 - 1.10
Far Lith Gain	0.9703	0.9595	0.90 - 1.10
Near Bar Offset	-0.1512	0.5881	NONE
Near Dens Offset	0.0840	0.5517	NONE
Near Peak Offset	-0.2272	0.4091	NONE
Near Lith Offset	-0.1986	0.2702	NONE
Far Bar Offset	0.0686	0.1331	NONE
Far Dens Offset	0.1508	0.2380	NONE
Far Peak Offset	0.1449	0.2044	NONE
Far Lith Offset	0.2786	0.3450	NONE
Near Bar Background	815.93	813.79	700 - 1450
Near Dens Background	269.20	265.74	230 - 480
Near Peak Background	115.80	115.36	100 - 210
Near Lith Background	146.10	144.32	125 - 260
Far Bar Background	479.68	477.53	450 - 900
Far Dens Background	184.50	185.37	175 - 345
Far Peak Background	72.51	72.20	70 - 140
Far Lith Background	76.60	75.50	75 - 145

CALIBRATION BLOCK SUMMARY

Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.689	1.687	-0.002	+/- 0.015
Pe	2.521	2.561	0.040	+/- 0.150
ALUMINUM				
Density (g/cc)	2.574	2.580	0.006	+/- 0.01500
Pe	3.085	3.134	0.049	+/- 0.150

TOOL SUMMARY

Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	0.0002	+/- 0.0110	-0.0029	+/- 0.0140
Magnesium Block	-0.0013	+/- 0.0110	-0.0010	+/- 0.0140
Aluminum Block	-0.0009	+/- 0.0110	-0.0014	+/- 0.0140
Resolution	8.91	6.00 - 11.50	9.49	6.00 - 11.50
Internal Verifier(B+D+P+L)	1339	1200 - 2700	811	800 - 1700

PASS/FAIL SUMMARY

Background Quality Check:	Passed
Background Range Check:	Passed
Background Resolution Check:	Passed
Background Verification Check:	Passed
Magnesium Quality Check:	Passed
Aluminum Quality Check:	Passed
Gains Check:	Passed
Changes in Calibration Blocks:	Passed

SPECTRAL DENSITY FIELD CHECK

Tool Name:	**SDLT Pad - 10809130**	**Reference Calibration Date:**	**03-Aug-17 02:19:19**
Engineer:	**WHITLOCK**	**Calibration Date:**	**04-Oct-17 11:00:05**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**

Pad Temperature: 70.0 degF

DENSITY FIELD CALIBRATION SUMMARY

Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1339.219	1341.398	2.179	14.801
Far (B+D+P+L) cps	810.608	809.039	-1.569	15.737
Near Resolution	8.91	8.94	0.030	0.50
Far Resolution	9.49	9.33	-0.160	1.00

PASS/FAIL SUMMARY

Bkg Quality Check:	Passed
Bkg Resolution Check:	Passed
Bkg Verification Check:	Passed

CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
Depth Panel-PROT01						
Tension Zero	0.00	----------	----------	0.00	----------	lbs
Tension Cal	7830.00	----------	----------	0.00	----------	lbs
CH_HOS-CH_HOS_I						
DH Tension Zero	0.00	----------	----------	0.00	----------	lbs
DH Tension Cal	2250.00	----------	----------	0.00	----------	lbs
GTET-11021139						
Gamma Ray Calibrator	225.9	224.8	----------	1.1	+/- 9.00	api
DSNT-11020487						
Snow-Block Porosity	0.0746	0.0691	----------	0.0055	+/- 0.0150	decp
SDLT-11014296						
Pad Extension	3.75	3.84	----------	-0.09	+/-0.10	in
Ring Diameter	8.25	8.31	----------	-0.06	+/-0.15	in
ICT Mandrel-11019427						
Caliper 1	8.00	7.99	----------	0.01	+/-0.25	in
Caliper 2	8.00	8.01	----------	-0.01	+/-0.25	in
Caliper 3	8.00	8.04	----------	-0.04	+/-0.25	in
Caliper 4	8.00	7.94	----------	0.06	+/-0.25	in
Caliper 5	8.00	7.89	----------	0.11	+/-0.25	in
Caliper 6	8.00	7.94	----------	0.06	+/-0.25	in
ACRt Sonde-11038385						
Mud Cell	1.00	----------	----------	0	----------	ohm-m
Microlog Pad-11014296						
MicroLog Normal	19.59	19.46	----------	0.13	+/-0.80	ohmm
MicroLog Lateral	20.01	19.88	----------	0.13	+/-0.80	ohmm
SDLT Pad-10809130						
Near(B+D+P+L)	1339.219	1341.398	----------	-2.179	+/-14.801	cps
Far(B+D+P+L)	810.608	809.039	----------	1.569	+/-15.737	cps

Data: DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\IDLE **Date: 05-Oct-17 02:55:28**

HALLIBURTON

PARAMETERS REPORT

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP					

SHARED	BS	Bit Size	8.750	in
SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No	
SHARED	MDBS	Mud Base	Water	
SHARED	MDWT	Borehole Fluid Weight	9.100	ppg
SHARED	WAGT	Weighting Agent	Barite	
SHARED	BSAL	Borehole salinity	0.00	ppm
SHARED	FSAL	Formation Salinity NaCl	0.00	ppm
SHARED	KPCT	Percent K in Mud by Weight?	0.00	%
SHARED	RMUD	Mud Resistivity	2.000	ohmm
SHARED	TRM	Temperature of Mud	75.0	degF
SHARED	CSD	Logging Interval is Cased?	No	
SHARED	ICOD	AHV Casing OD	7.000	in
SHARED	CSTR	Compressive Strength	1000.00	psia
SHARED	ST	Surface Temperature	75.0	degF
SHARED	TD	Total Well Depth	5400.00	ft
SHARED	BHT	Bottom Hole Temperature	130.0	degF
SHARED	SVTM	Navigation and Survey Master Tool	IDT	
SHARED	AZTM	High Res Z Accelerometer Master Tool	IDT	
SHARED	TEMM	CBM Temperature Master Tool	GTET	
Rwa / CrossPlot	XPOK	Process Crossplot?	Yes	
Rwa / CrossPlot	FCHO	Select Source of F	Automatic	
Rwa / CrossPlot	AFAC	Archie A factor	0.6200	
Rwa / CrossPlot	MFAC	Archie M factor	2.1500	
Rwa / CrossPlot	RMFR	Rmf Reference	0.10	ohmm
Rwa / CrossPlot	TMFR	Rmf Ref Temp	75.00	degF
Rwa / CrossPlot	RWA	Resistivity of Formation Water	0.05	ohmm
Rwa / CrossPlot	ADP	Use Air Porosity to calculate CrossplotPhi	No	
Rwa / CrossPlot	BHSM	Borehole Size Source Tool	ICT Mandrel	
Rwa / CrossPlot	ROIN	Input for RO Calculation	Rwa	
GTET	GROK	Process Gamma Ray?	Yes	
GTET	GEOK	Process Gamma Ray EVR?	No	
GTET	TPOS	Tool Position for Gamma Ray Tools.	Eccentered	
GTET	BHSM	Borehole Size Source Tool	SDLT	
DSNT	DNOK	Process DSN?	Yes	
DSNT	DEOK	Process DSN EVR?	No	
DSNT	NLIT	Neutron Lithology	Limestone	
DSNT	DNSO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
DSNT	DNTT	Temperature Correction Type	None	
DSNT	DPRS	DSN Pressure Correction Type	None	
DSNT	SHCO	View More Correction Options	No	
DSNT	UTVD	Use TVD for Gradient Corrections?	No	
DSNT	LHWT	Logging Horizontal Water Tank?	No	
DSNT	BHSM	Borehole Size Source Tool	SDLT	
SDLT	CLOK	Process Caliper Outputs?	Yes	
Microlog Pad	MLOK	Process MicroLog Outputs?	Yes	
SDLT Pad	DNOK	Process Density?	Yes	
SDLT Pad	DNOK	Process Density EVR?	No	
SDLT Pad	CB	Logging Calibration Blocks?	No	
SDLT Pad	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT Pad	DTWN	Disable temperature warning	No	
SDLT Pad	DMA	Formation Density Matrix	2.710	g/cc
SDLT Pad	DFL	Formation Density Fluid	1.000	g/cc
SDLT Pad	BHSM	Borehole Size Source Tool	SDLT	

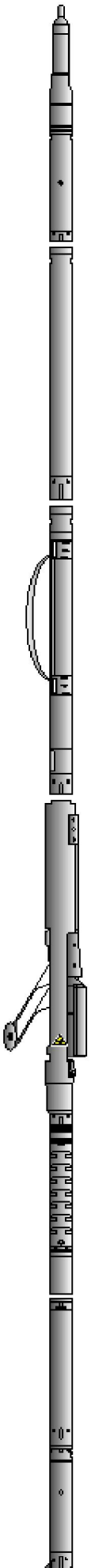
ICT Mandrel	CLOK	Process Caliper Outputs?	Yes	
ICT Mandrel	DARM	Disable Caliper Arm	No	
ICT Mandrel	ATDS	Arm To Disable	0	
ICT Mandrel	REPM	Method to replace arm?	Caliper Average	
ICT Mandrel	ARMV	Diameter to use for disabled arm	0.00	in
ICT Mandrel	DARM	Disable Second Caliper Arm	No	
ICT Mandrel	ATDS	Second Arm To Disable	0	
ICT Mandrel	REPM	Method to replace second arm?	Caliper Average	
ICT Mandrel	ARMV	Diameter to use for second disabled arm	0.00	in
ICT Mandrel	NAVS	Navigation Source Tool	IDT	
ICT Mandrel	CL1O	Radius 1 Offset	0.00	in
ICT Mandrel	CL2O	Radius 2 Offset	0.00	in
ICT Mandrel	CL3O	Radius 3 Offset	0.00	in
ICT Mandrel	CL4O	Radius 4 Offset	0.00	in
ICT Mandrel	CL5O	Radius 5 Offset	0.00	in
ICT Mandrel	CL6O	Radius 6 Offset	0.00	in
ICT Mandrel	BHVC	Radius type for borehole volume calcuations	Elliptical	
ICT Mandrel	CCL	Caliper Correction Algorithm	None	
IDT	WRTI	Survey Writing Interval	30	ft
IDT	SOPT	Smoothing Option	None	
WSTT-I Receivers	WSOK	Process WSTT?	Yes	
WSTT-I Receivers	AFIL	Adaptive Filtering?	No	
WSTT-I Receivers	PINT	Process 1 Sample and Skip	0	
WSTT-I Receivers	PROM	Process Mode: M=1,MX=2,MY=3,MXY=4	4	
WSTT-I Receivers	DTSH	Delta -T Shale	100.00	uspf
WSTT-I Receivers	DTMT	Delta -T Matrix Type	Limestone 47.6	
WSTT-I Receivers	DTMA	Delta -T Matrix	57.00	uspf
WSTT-I Receivers	DTFL	Delta -T Pore Fluid	189.00	uspf
WSTT-I Receivers	RHOM	Matrix Density	2.7100	g/cc
WSTT-I Receivers	RHOF	Fluid Density	1.0000	g/cc
WSTT-I Receivers	SMTH	Semblance Threshold	0.25	
WSTT-I Receivers	VPVS	VPVS Ratio for Porosity	1.40	
WSTT-I Receivers	APEQ	Acoustic Porosity Equation	Wylie	
WSTT-I Receivers	NAVS	Navigation Source Tool	IDT	
ACRt Sonde	RTOK	Process ACRt?	Yes	
ACRt Sonde	MNSO	Minimum Tool Standoff	1.50	in
ACRt Sonde	TCS1	Temperature Correction Source	FP Lwr & FP Upr	
ACRt Sonde	TPOS	Tool Position	Free Hanging	
ACRt Sonde	RMOP	Rmud Source	Mud Cell	
ACRt Sonde	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt Sonde	RMAX	Maximum Resistivity for MAP	200.00	ohmm
ACRt Sonde	THQY	Threshold Quality	0.50	
ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm
ACRt Sonde	BHSM	Borehole Size Source Tool	SDLT	
ACRt Sonde	MBFL	Apply Corkscrew Effect?	No	

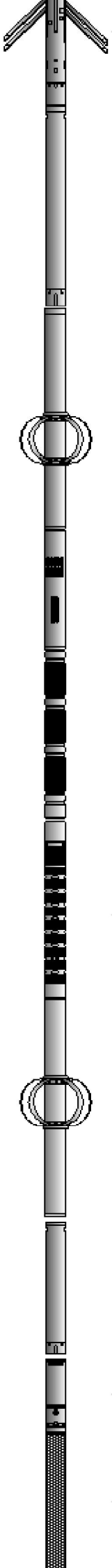
BOTTOM

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Sensors @ Delays	Length	Accumulated Length
			Temperature @ 115.43 ft		115.68 ft
CH_HOS_I 37.50 lbs		Ø 2.750 in		2.25 ft	
		Ø 2.750 in			113.43 ft
XOHD-11021555 20.00 lbs		Ø 3.625 in		0.95 ft	
					112.48 ft
SP Sub-10904995 60.00 lbs		Ø 3.625 in	SP @ 110.70 ft	3.74 ft	
			Z-Accelerometer @ 108.29 ft		108.74 ft
GTET-11021139 165.00 lbs		Ø 3.625 in		8.52 ft	
			GammaRay @ 102.68 ft		
					100.22 ft
	DSN Decentralizer-10993115 6.60 lbs	Ø 5.000 in*			
DSNT-11020487 174.00 lbs		Ø 3.625 in		9.69 ft	
			DSN Far @ 93.28 ft		
			DSN Near @ 92.53 ft		
					90.53 ft
	SDLT Pad-10809130 65.00 lbs				
SDLT-11014296 360.00 lbs	Microlog Pad-11014296 8.00 lbs	Ø 4.500 in		10.81 ft	
		Ø 4.500 in*	Microlog @ 82.72 ft		
	RAM-Cs137-00005155 1.00 lbs	Ø 4.750 in*	SDL Caliper @ 82.54 ft		
		Ø 0.800 in*	SDL @ 82.53 ft		
					79.72 ft
IQ Flex-11005584 140.00 lbs		Ø 3.625 in		5.67 ft	
					74.05 ft
ICT Instrument-11023459 110.00 lbs		Ø 3.625 in		4.88 ft	
					69.17 ft
ICT Mandrel-11019427		Ø 3.625 in		7.94 ft	





220.00 lbs

61.24 ft

IDT-10967514
150.00 lbs

Ø 3.625 in

7.58 ft

53.65 ft

WSTT-I Upper Electronics-10753398
115.00 lbs

Centralizer 25-00000001
8.00 lbs

Ø 3.625 in
Ø 3.750 in*

8.31 ft

45.34 ft

WSTT-I Trans-Isolator - Std-10894371
185.00 lbs

Ø 3.625 in

10.86 ft

34.48 ft

WSTT-I Receivers-10894370
100.00 lbs

Ø 3.625 in

6.65 ft

27.83 ft

WSTT-I Lower Electronics-10894372
120.00 lbs

Centralizer 25-00000002
8.00 lbs

Ø 3.750 in*
Ø 3.625 in

8.25 ft

19.58 ft

ACRt Instrument-11055059
50.00 lbs

Ø 3.625 in

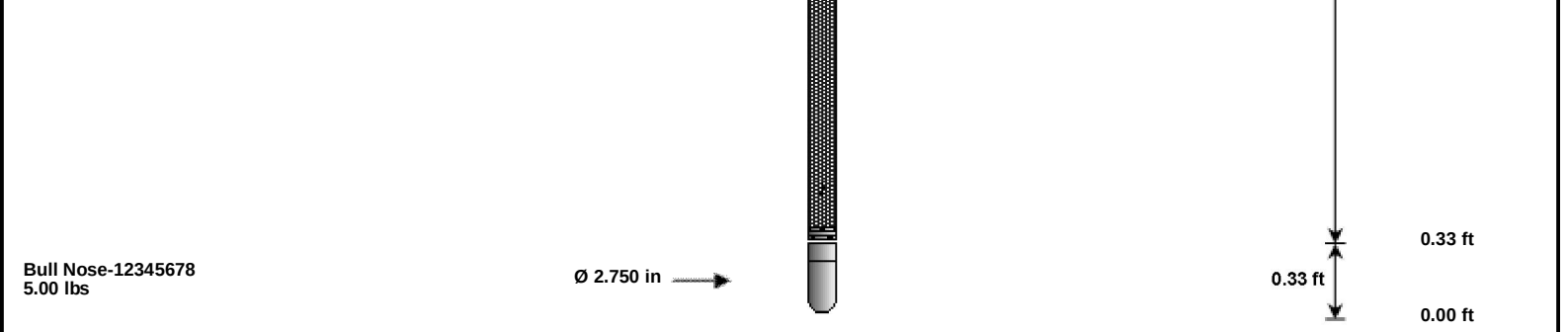
5.03 ft

14.55 ft

ACRt Sonde-11038385
200.00 lbs

Ø 3.625 in

14.22 ft



Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)		Accumulated Length (ft)	Max.Log. Speed (fpm)
CH_HOS	Hostile Cable Head with Load Cell	CH_HOS_I	37.50	2.25		113.43	300.00
XOHD	Hostile to Dits Cross Over	11021555	20.00	0.95		112.48	300.00
SP	SP Sub	10904995	60.00	3.74		108.74	300.00
GTET	Gamma Telemetry Tool	11021139	165.00	8.52		100.22	60.00
DSNT	Dual Spaced Neutron	11020487	174.00	9.69		90.53	60.00
DCNT	DSN Decentralizer	10993115	6.60	5.13	*	93.86	300.00
SDLT	Spectral Density Tool	11014296	360.00	10.81		79.72	60.00
SDLP	Density Insite Pad	10809130	65.00	2.55	*	81.93	60.00
Cs137	Logging Source, SDLT-I, 1.78 Ci - Cs137	00005155	1.00	0.80	*	82.16	300.00
MICP	Microlog Pad	11014296	8.00	1.00	*	82.22	60.00
IQF	IQ Flex tool	11005584	140.00	5.67		74.05	300.00
ICT	Six Independent Arm Caliper Instrument	11023459	110.00	4.88		69.17	60.00
ICT	Six Independent Arm Caliper Mandrel	11019427	220.00	7.94		61.24	60.00
IDT	Insite Directional Tool	10967514	150.00	7.58		53.65	60.00
WSTT	WaveSonic Insite - Upper Electronics	10753398	115.00	8.31		45.34	100.00
OBCEN	Centralizer - 25 in. Overbody	00000001	8.00	2.08	*	47.71	300.00
WSTT	WaveSonic Insite - Trans-Isolator - Std	10894371	185.00	10.86		34.48	100.00
WSTT	WaveSonic Insite - Receivers	10894370	100.00	6.65		27.83	30.00
WSTT	WaveSonic Insite - Lower Electronics	10894372	120.00	8.25		19.58	100.00
OBCEN	Centralizer - 25 in. Overbody	00000002	8.00	2.08	*	23.00	300.00
ACRt	Array Compensated True Resistivity Instrument Section	11055059	50.00	5.03		14.55	120.00
ACRt	Array Compensated True Resistivity Sonde Section	11038385	200.00	14.22		0.33	120.00
BLNS	Bull Nose	12345678	5.00	0.33		0.00	300.00
Total			**2,308.10**	**115.68**			

* Not included in Total Length and Length Accumulation.

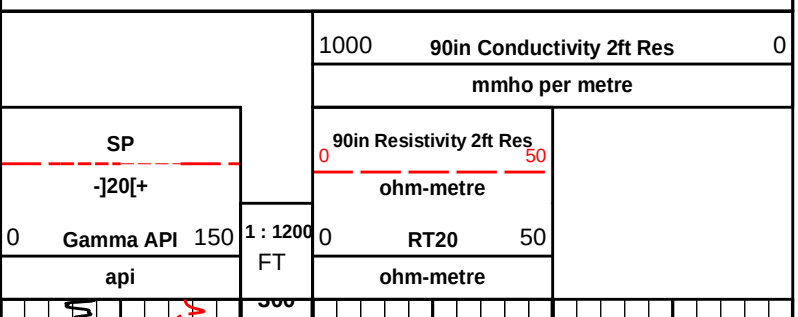
Data: DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\001 05-Oct-17 03:00 Dn @115.8f **Date: 05-Oct-17 03:02:30**

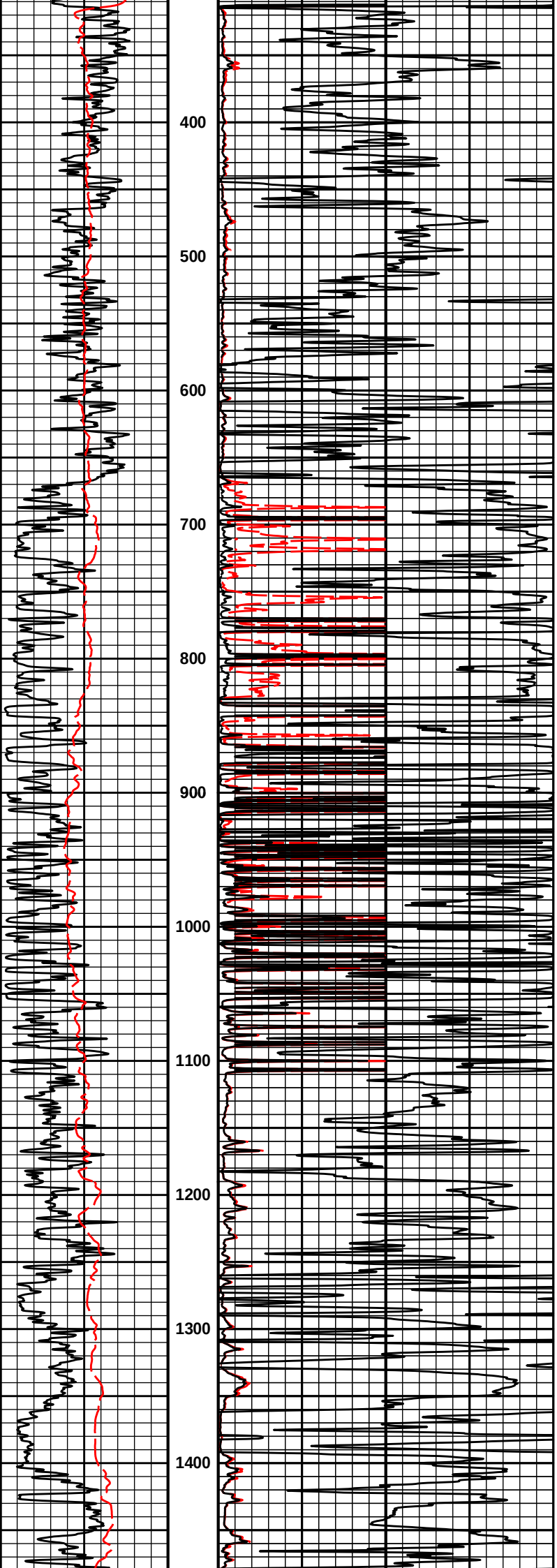
HALLIBURTON

Plot Time: 05-Oct-17 08:58:42
Plot Range: 300 ft to 5380 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-004
Plot File: \\-LOCAL-\DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\ACRT\ACRT_1_main

1 INCH MAIN LOG

1 INCH CORRELATION LOG

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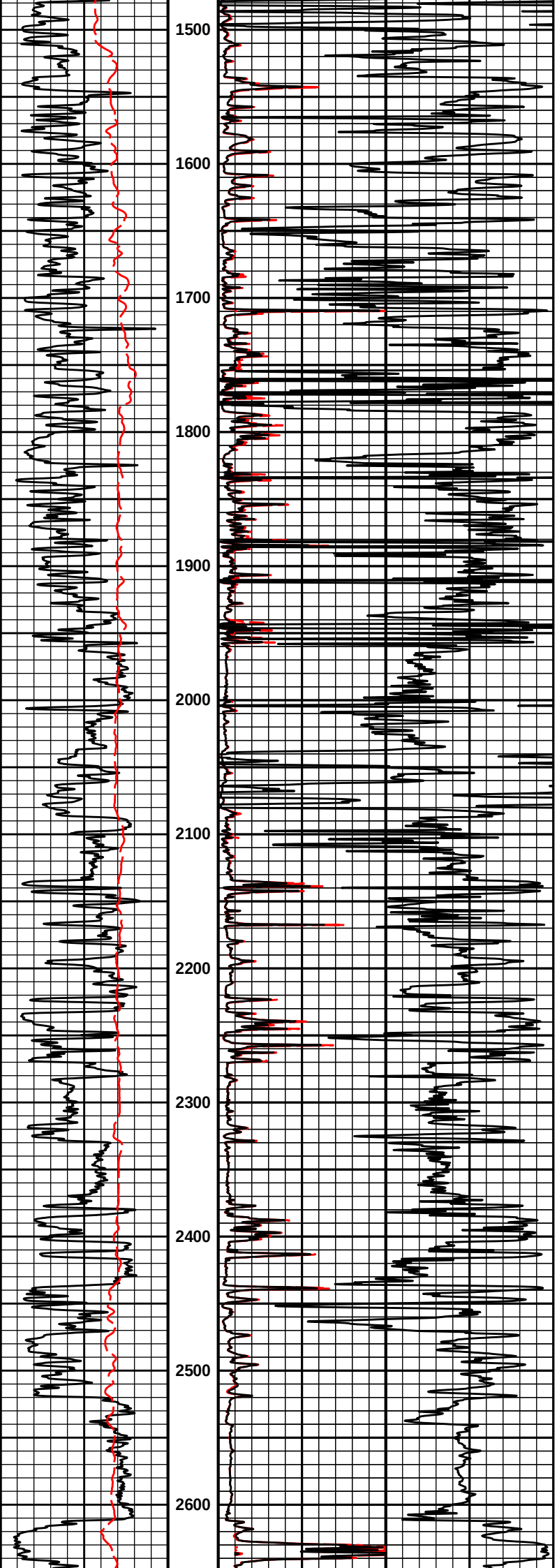
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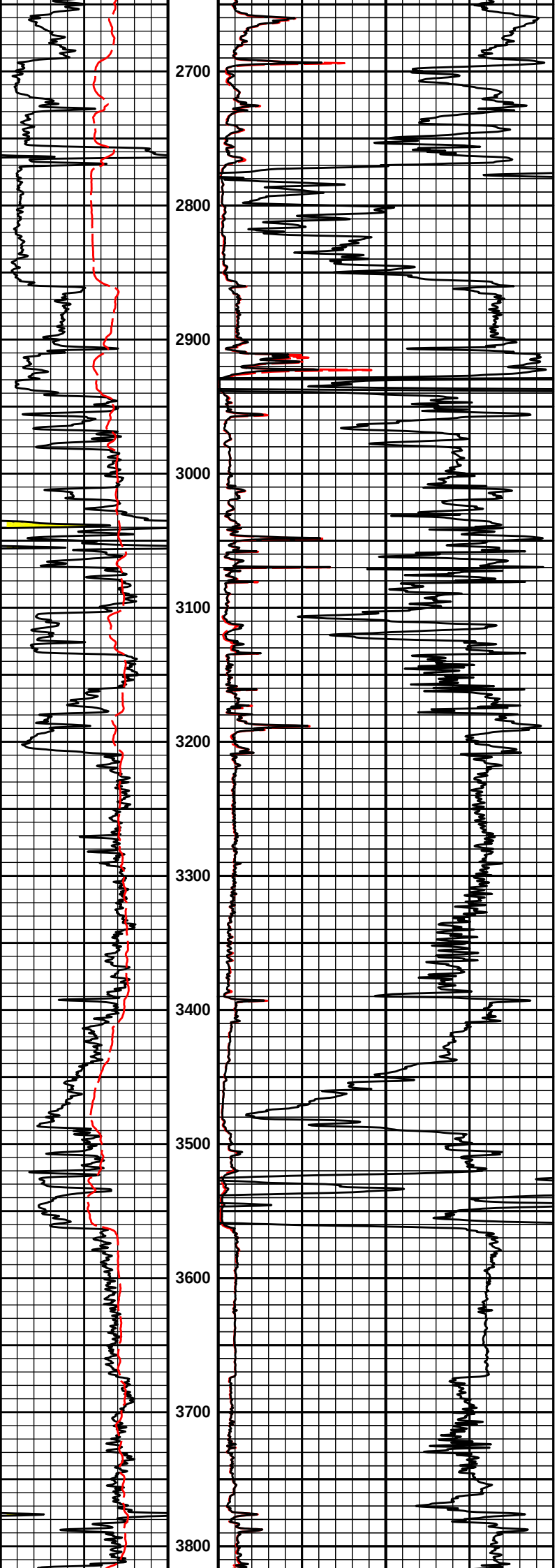
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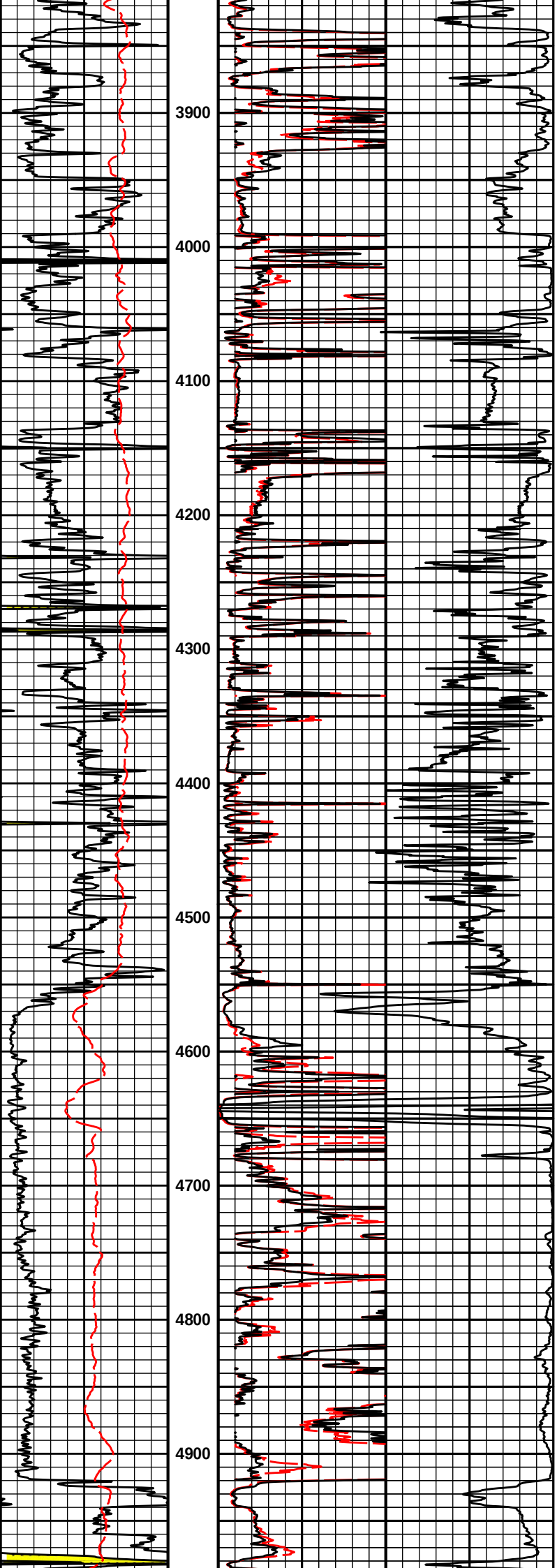
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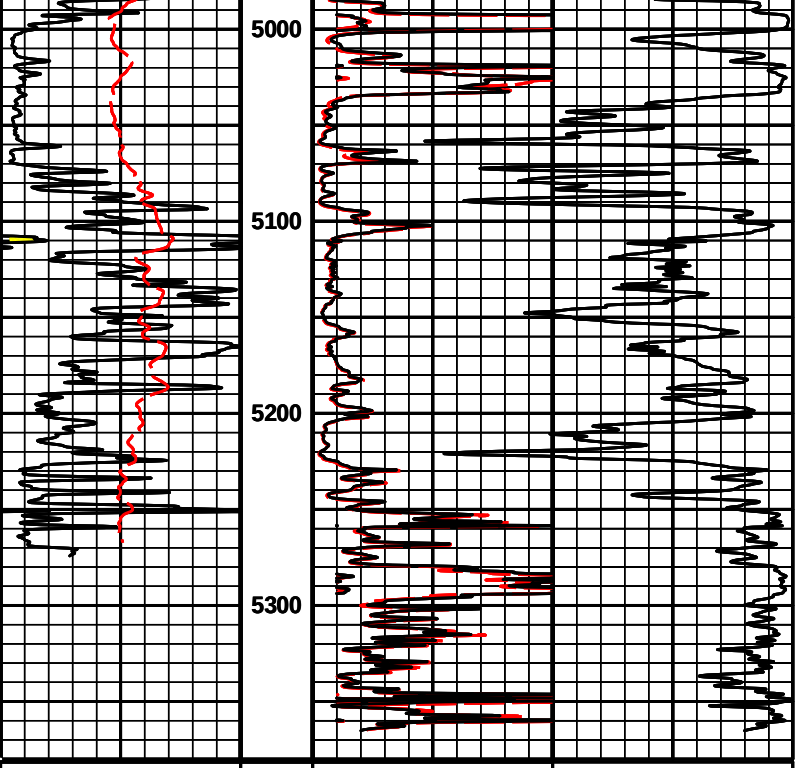


0 Gamma API 150	1 : 1200 FT	0 RT20 50
api		ohm-metre
SP		90in Resistivity 2ft Res 0 50
-]20[+		ohm-metre
		1000 90in Conductivity 2ft Res 0
		mmho per metre

HALLIBURTON

Plot Time: 05-Oct-17 08:58:44
Plot Range: 300 ft to 5380 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-004
Plot File: \\-LOCAL-\DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\ACRT\ACRT_1_main

1 INCH MAIN LOG

1 INCH CORRELATION LOG

HALLIBURTON

SPECTRAL DENSITY
DUAL SPACED NEUTRON
MICROLOG

DESTINY PETROLEUM | LINDA 3504 SWD 1-5 | WILDCAT | SUMNER | KANSAS
COMPANY | WELL | FIELD/BLOCK | COUNTY | STATE

COMPANY **DESTINY PETROLEUM**

WELL **LINDA 3504 SWD 1-5**

FIELD/BLOCK **WILDCAT**

COUNTY **SUMNER** STATE **KANSAS**

API No. 15-191-22795-00-00

Location
(SHL) SE NE SE NE
1717' FNL & 237' FEL

Sect. 5 Twp. 35S Rge. 4W

Other Services:
ACRT
SDL-DSN-ML
WAVESONIC
IDT-ICT

Permanent Datum	GL	Elev. 1199.0 ft	Elev.: K.B. 1214.0 ft
Log measured from	KB	, 15.0 ft above perm. Datum	D.F. 1212.0 ft
Drilling measured from	KB		G.L. 1199.0 ft

Date		05-Oct-17					
Run No.		1					
Depth - Driller		5400.0 ft					
Depth - Logger		5376.0 ft					
Bottom - Logged Interval		5366					
Top - Logged Interval		315					
Casing - Driller		9.625 in	@ 315.0 ft	@		@	
Casing - Logger		315.0 ft					
Bit Size		8.750 in		@		@	
Type Fluid in Hole		Water Based Mud					
Density	Viscosity	9.1 ppg	38.00 s/qt				
PH	Fluid Loss	11.20 pH	8.5 cptm				
Source of Sample		MUD PIT					
Rm @ Meas. Temperature		0.24 ohmm	@ 84.00 degF	@		@	
Rmf @ Meas. Temperature		0.19 ohmm	@ 80.00 degF	@		@	
Rmc @ Meas. Temperature		0.31 ohmm	@ 80.00 degF	@		@	
Source Rmf	Rmc	MEAS	MEAS				
Rm @ BHT		0.14 ohmm	@ 145.0 degF	@		@	
Time Since Circulation		18:00 hr					
Time on Bottom		05-Oct-17 03:33					
Max. Rec. Temperature		145.00 degF	@ 5376.0 ft	@		@	
Equipment	Location	12156883	EL RENO, OK				
Recorded By		WHITLOCK					
Witnessed By		REID McCARTY					

Fold here

Service Ticket No.: 904342231

API No.: 15-191-22795-00-00

PGM Version: WL INSITE R5.0.5 (Build 8)

CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE

RESISTIVITY SCALE CHANGES

	Type Log	Depth	Scale Up Hole	Scale Down Hole

RESISTIVITY EQUIPMENT DATA

	Run No.	Tool Type & No.	Pad Type	Tool Pos.	Other
Source of Sample					
Rm @ Meas. Temp	@	@			
Rmf @ Meas. Temp.	@	@			
Rmc @ Meas. Temp.	@	@			
Source Rmf	Rmc				
Rm @ BHT	@	@			
Rmf @ BHT	@	@			
Rmc @ BHT	@	@			

EQUIPMENT DATA

	GAMMA	ACOUSTIC	DENSITY	NEUTRON
Run No.				
Serial No.				
Model No.				
Diameter				
Detector Model No.		No. of Cent.		
Type		Spacing	Log Type	
			Source Type	Source Type
Length		LSA [Y/N]	Serial No.	Serial No.
Distance to Source		FWDA [Y/N]	Strength	Strength

LOGGING DATA

GENERAL				GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run No.	Depth From	Depth To	Speed ft/min	Scale L	Scale R	Scale L	Scale R	Matrix	Scale L	Scale R	Matrix

DIRECTIONAL INFORMATION

Maximum Deviation	@	KOP	@

Remarks: 7" CASING USED FOR ANNULAR HOLE VOLUME

HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

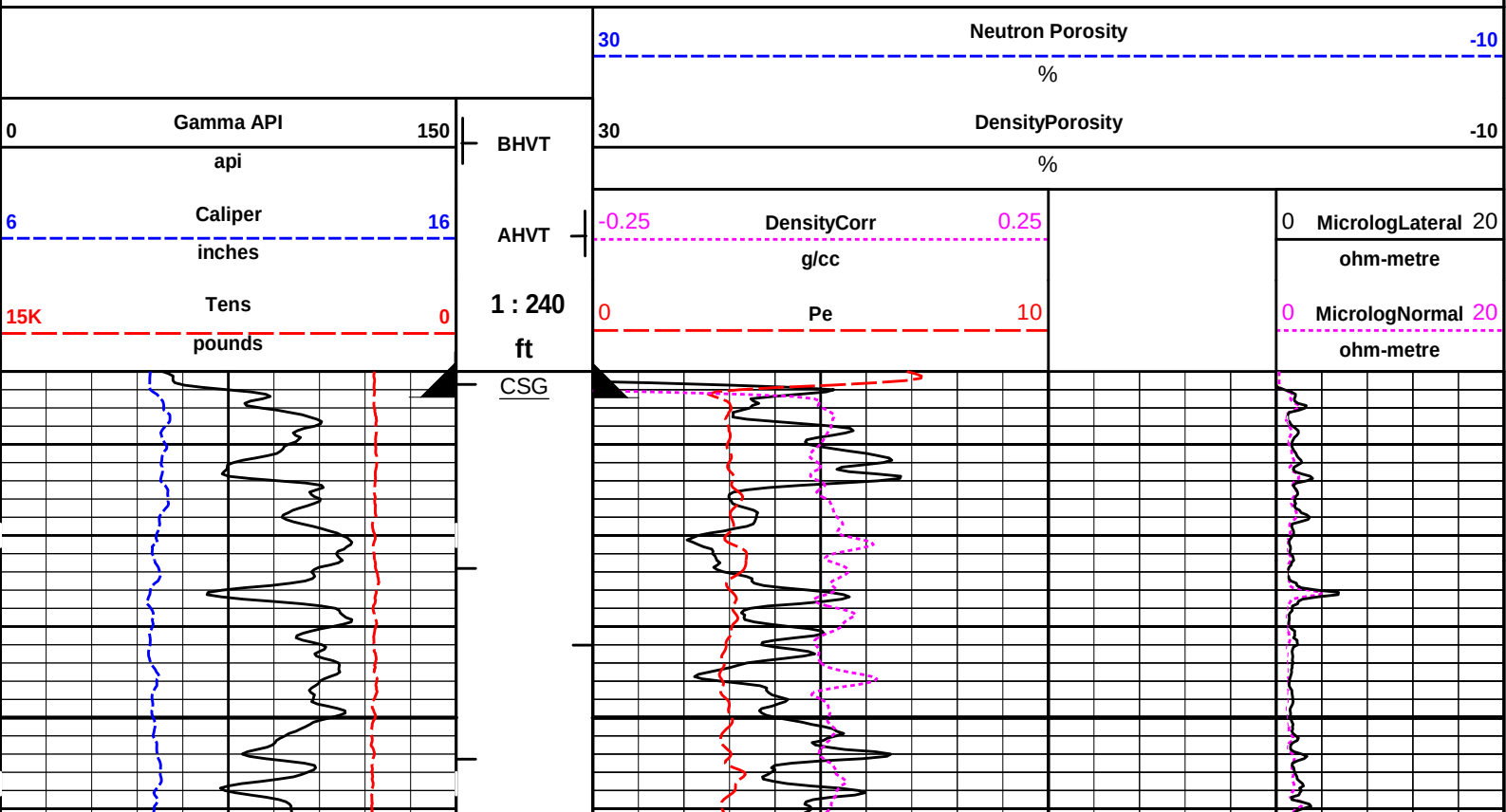
HALLIBURTON

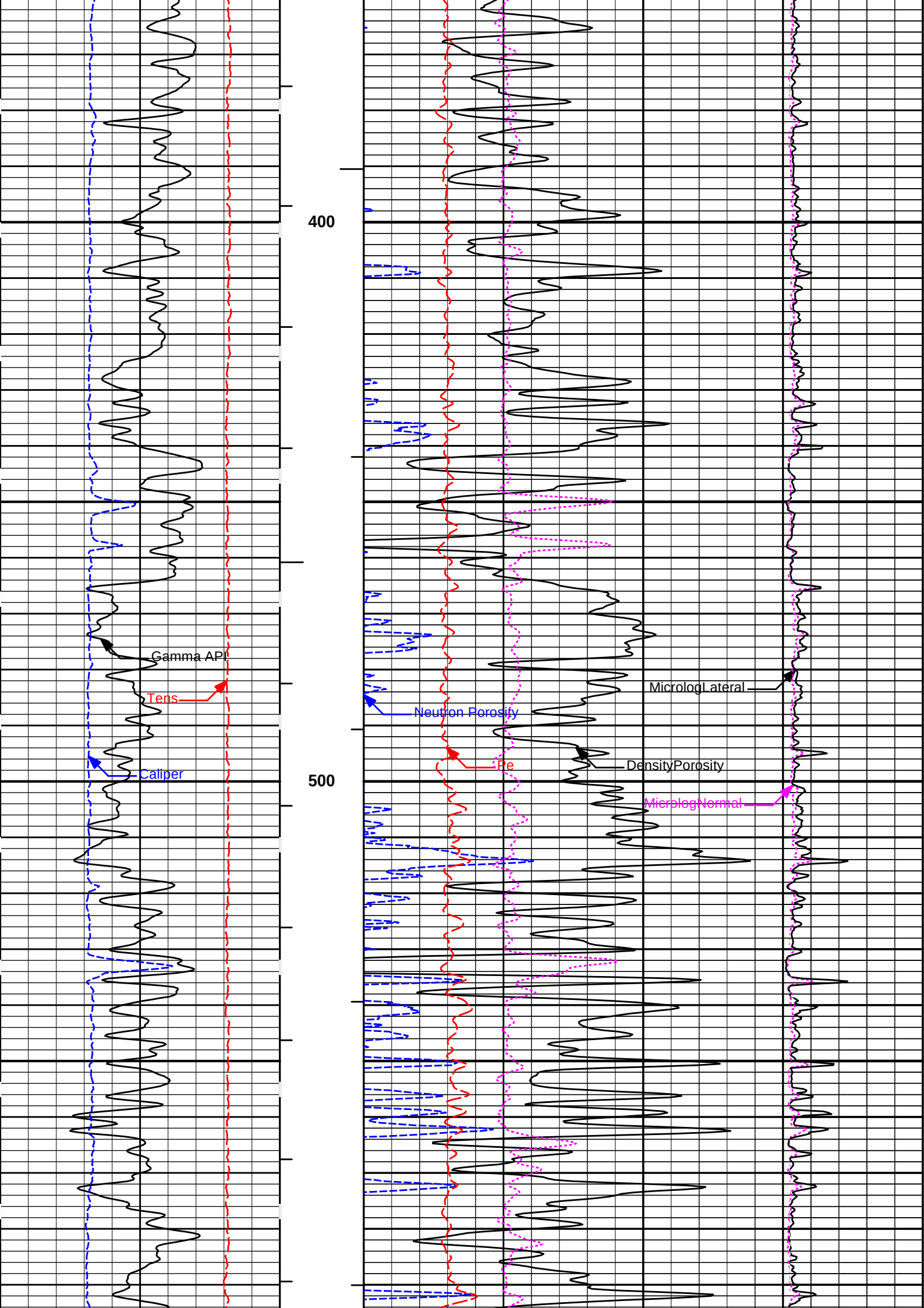
HALLIBURTON

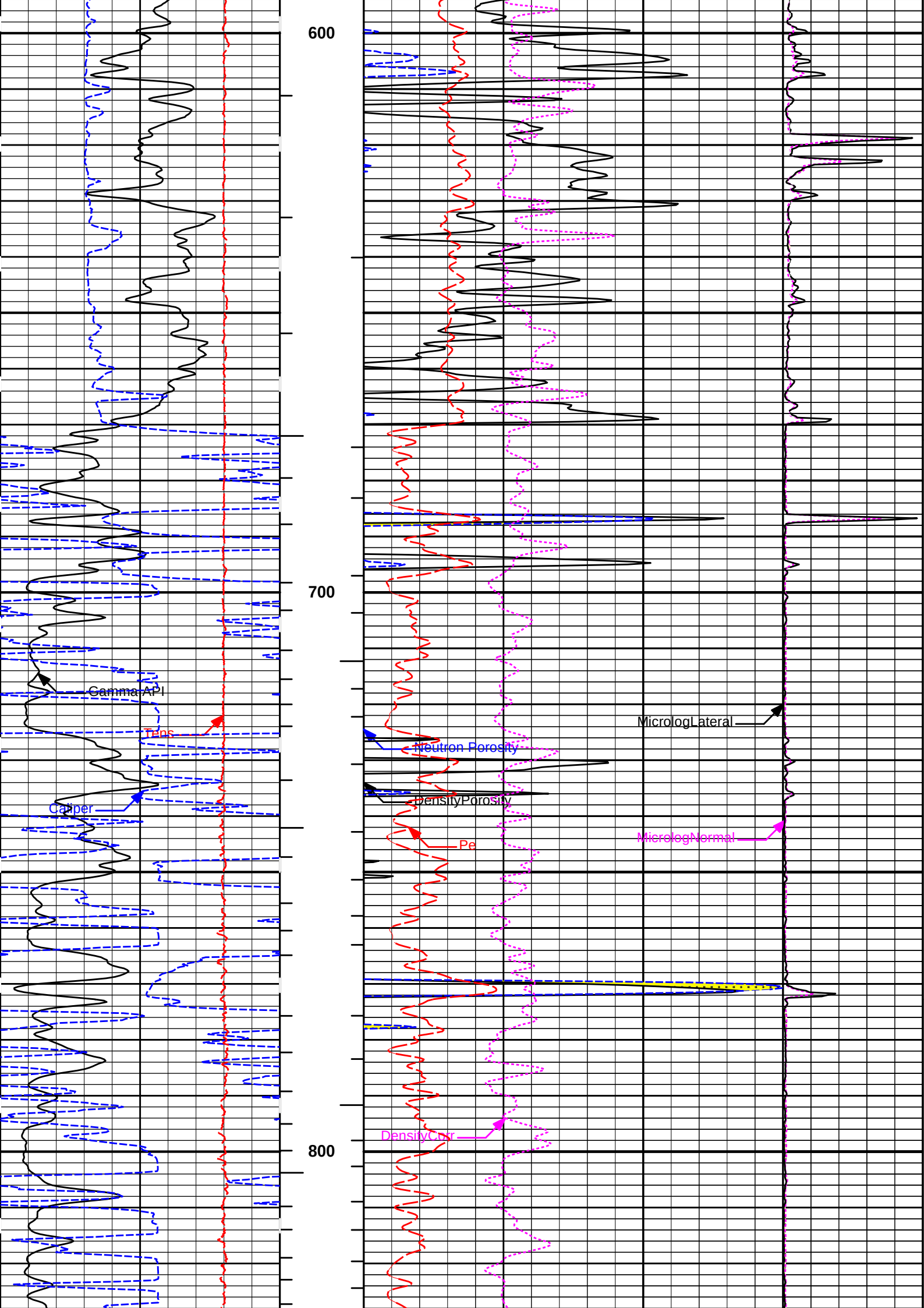
Plot Time: 05-Oct-17 08:46:05
Plot Range: 312 ft to 5378.08 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-004
Plot File: \\SDL-DSN\PoroML_5_main_IQ

5 INCH MAIN LOG

MAIN SECTION 5" PER 100'




400
500
Gamma API
Tens
Caliper
Neutron Porosity
Re
MicrologLateral
DensityPorosity
MicrologNormal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700
800
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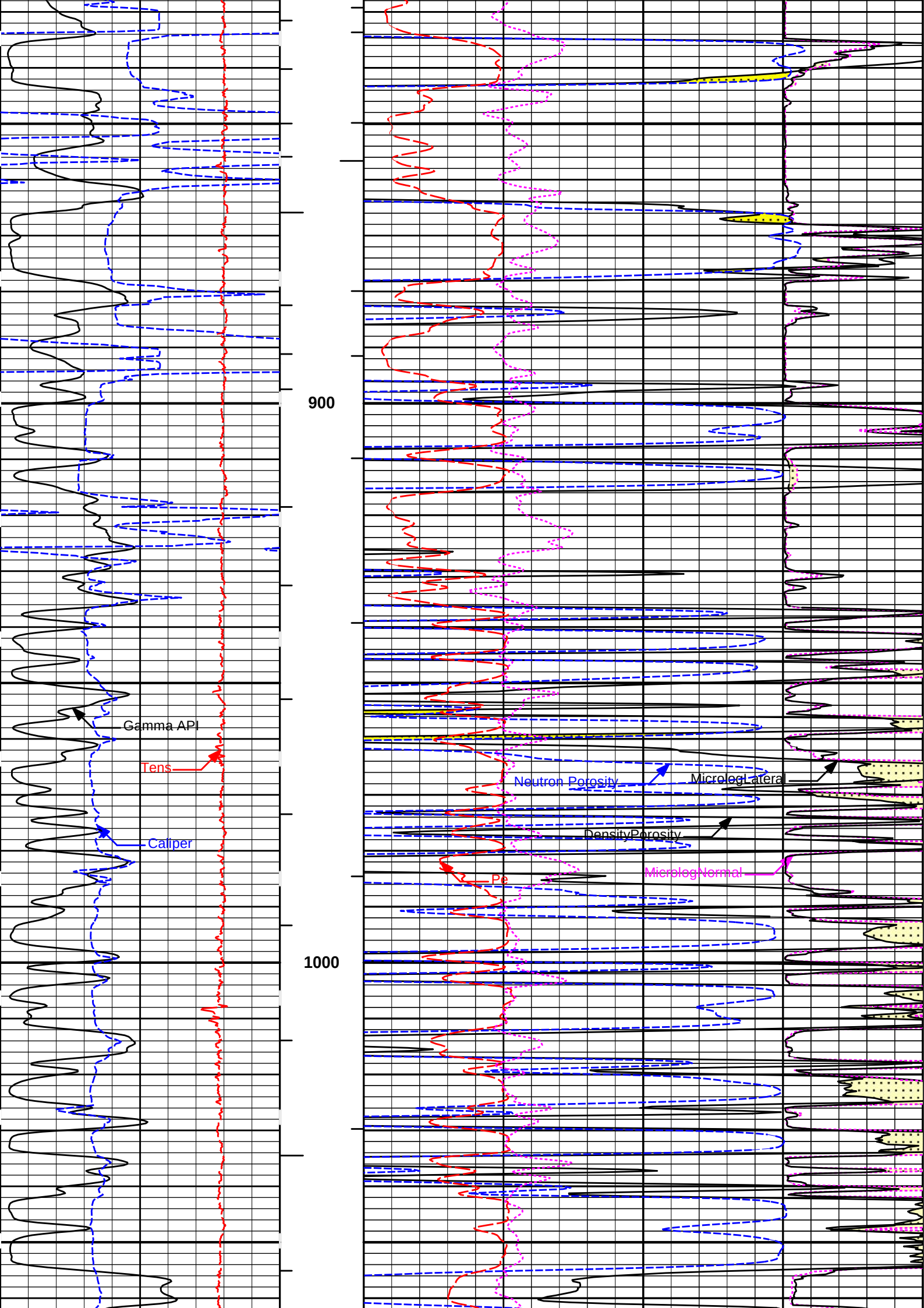
Tens
Caliper
Neutron Porosity
DensityPorosity
Pe
DensityCorr
MicrologLateral
MicrologNormal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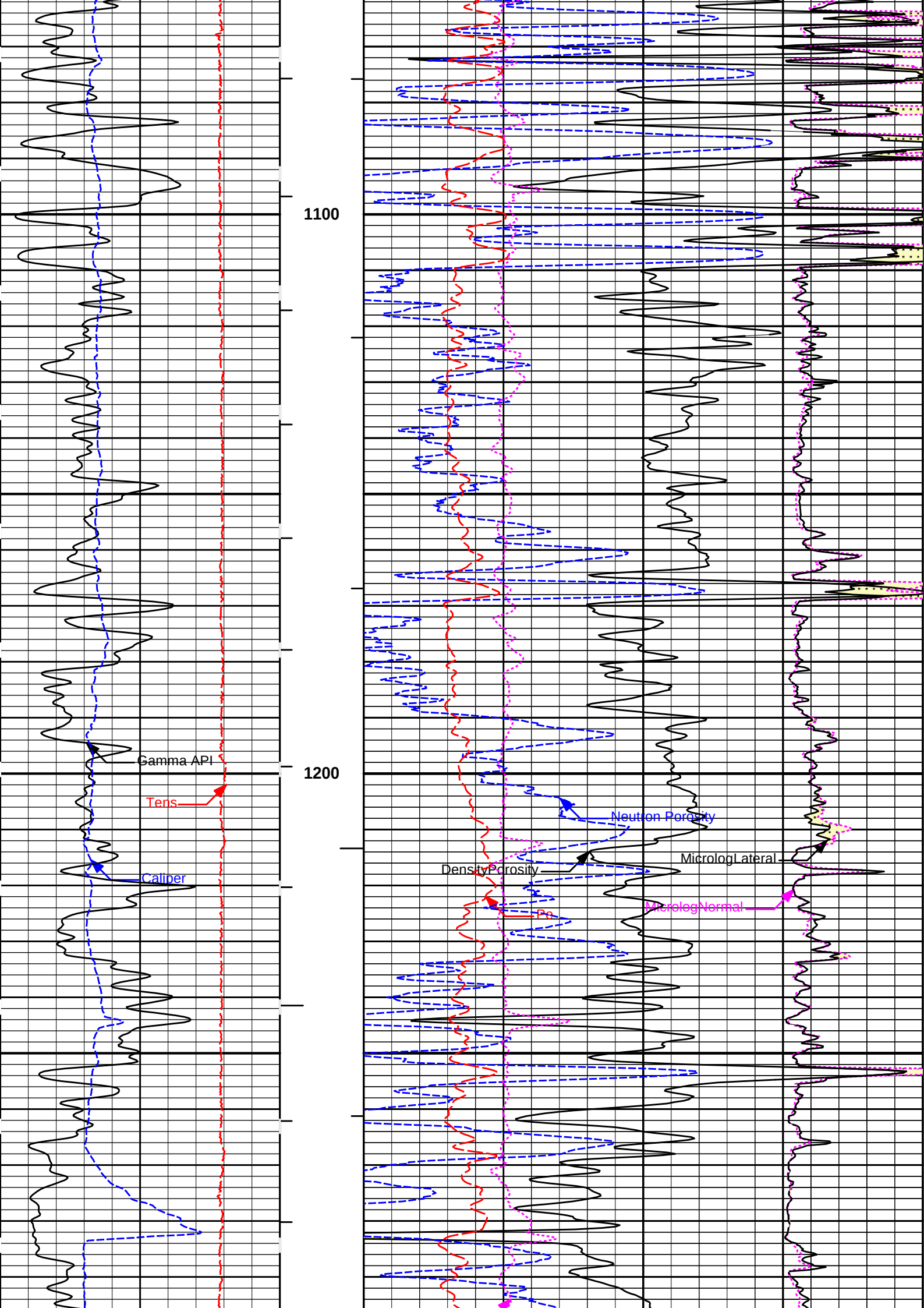
Tens
Caliper
Neutron Porosity
MicrologLateral
DensityPorosity
MicrologNormal
Pe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Tens
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Neutron Porosity
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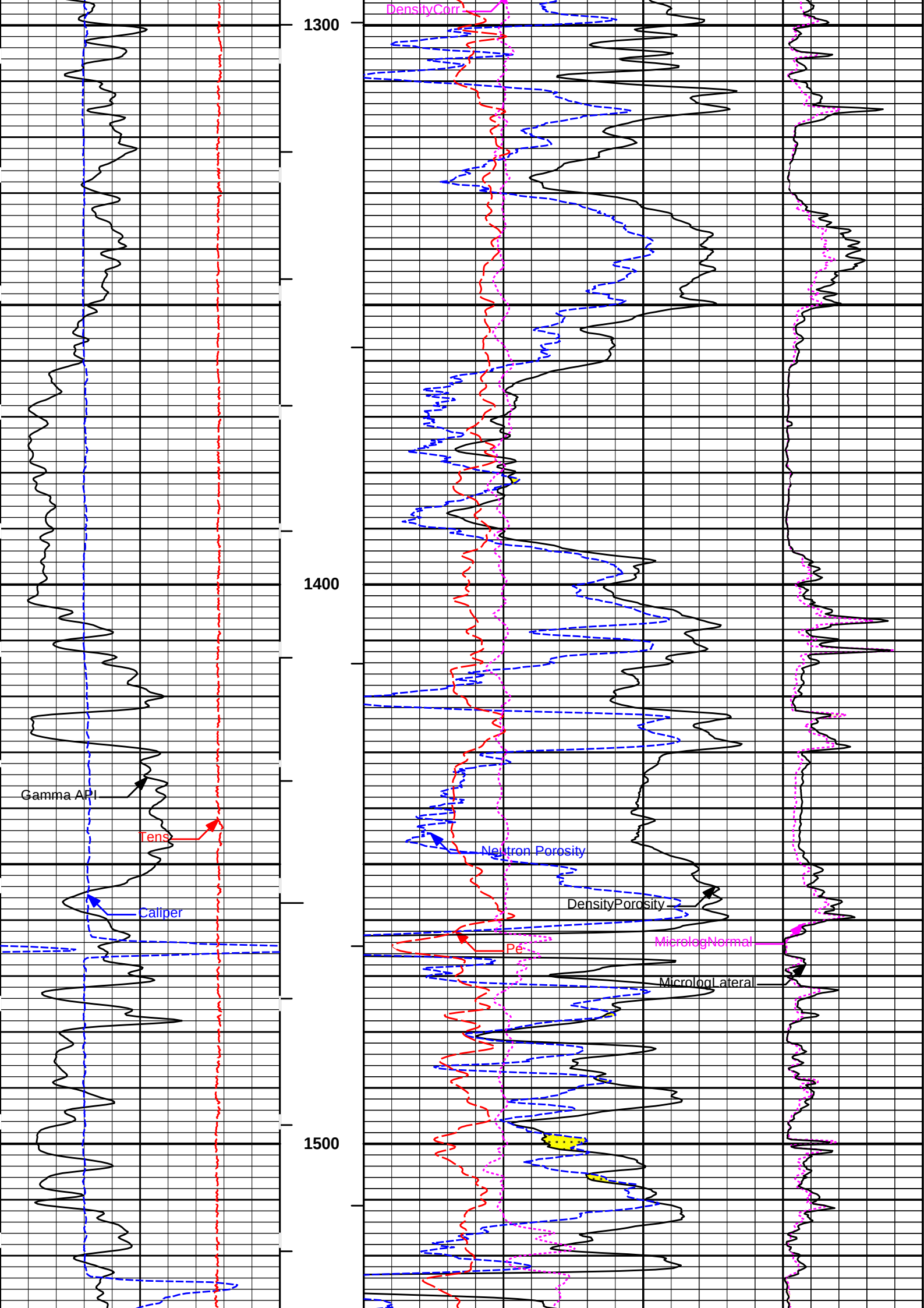
DensityPorosity
MicrologNormal
Pe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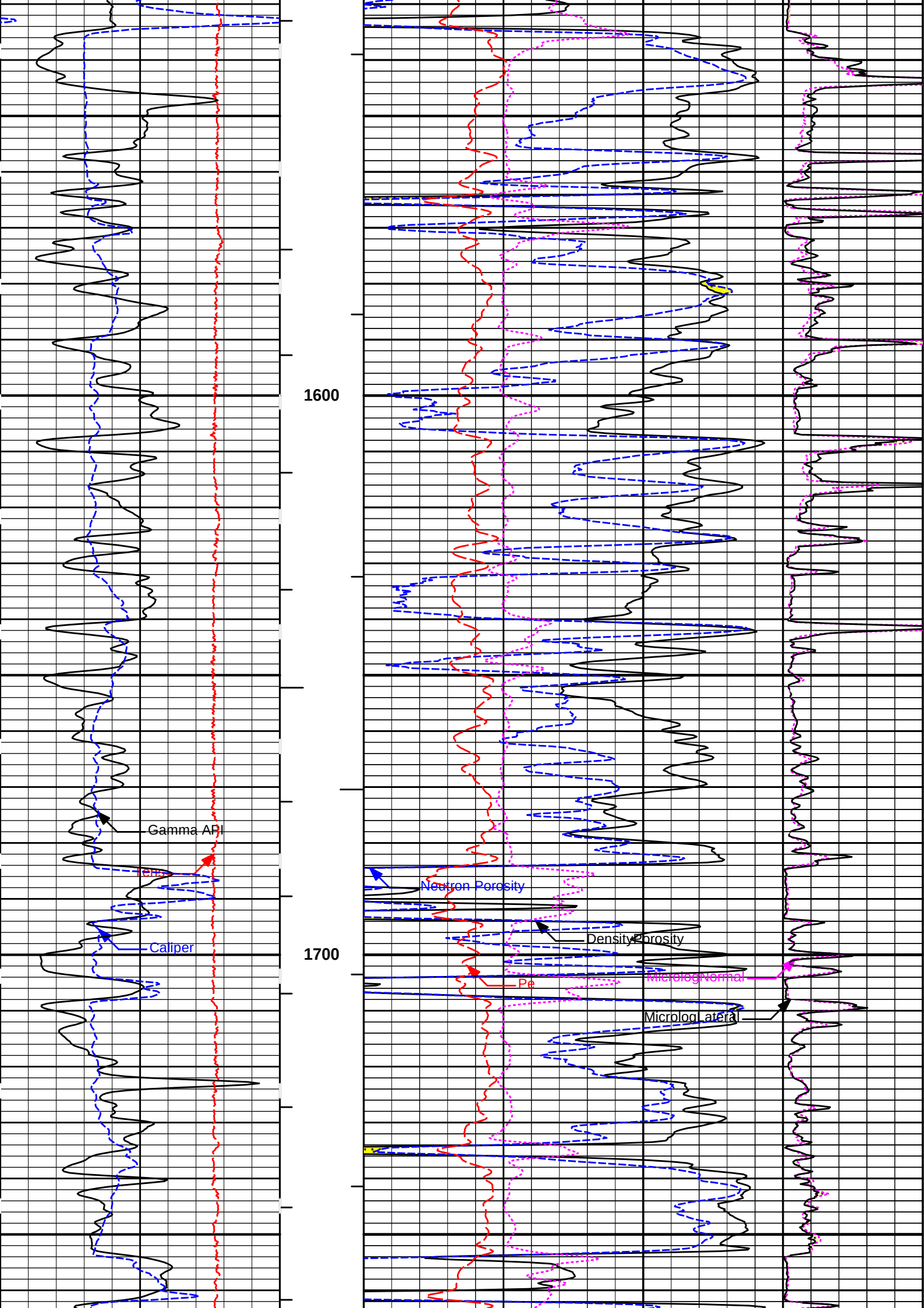
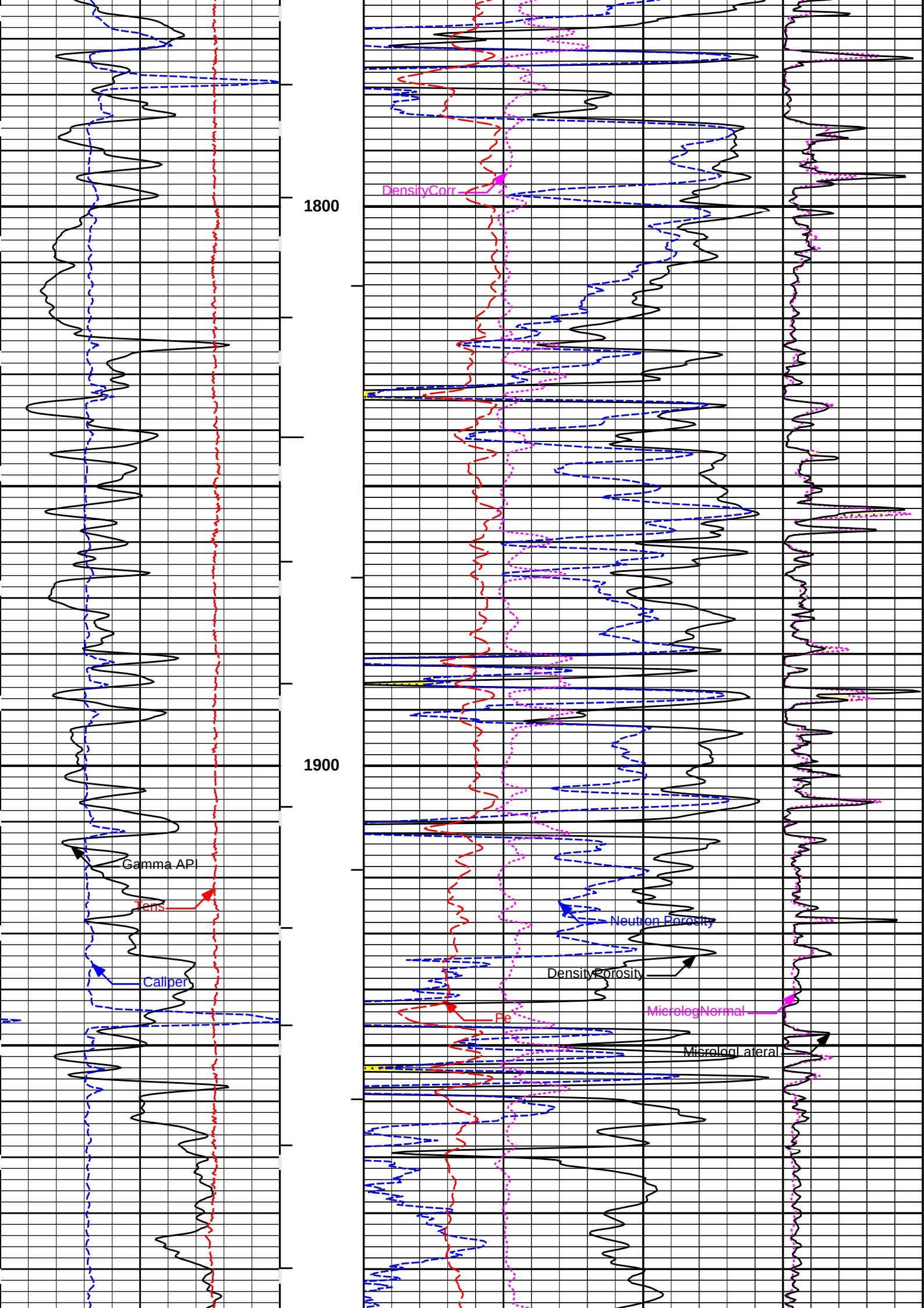
1300
1400
1500
Gamma API
Tens
Caliper
Neutron Porosity
DensityPorosity
MicrologNormal
Pe
MicrologLateral


1600
1700
Gamma API
Caliper
Neutron Porosity
Density Porosity
Pe
MicrologNormal
MicrologLateral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DensityCorr
Gamma API
Tens
Caliper
Neutron Porosity
DensityPorosity
Pe
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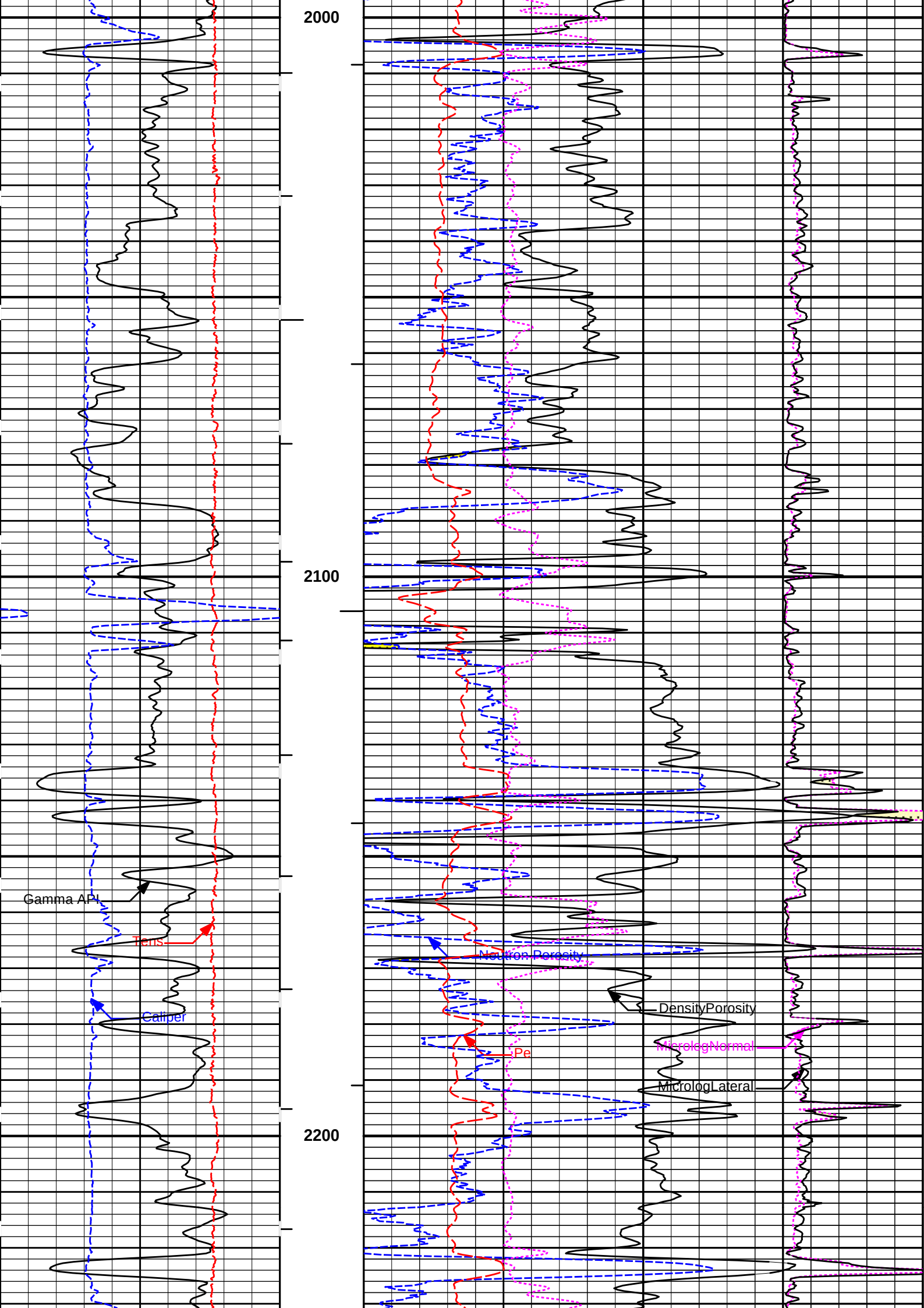
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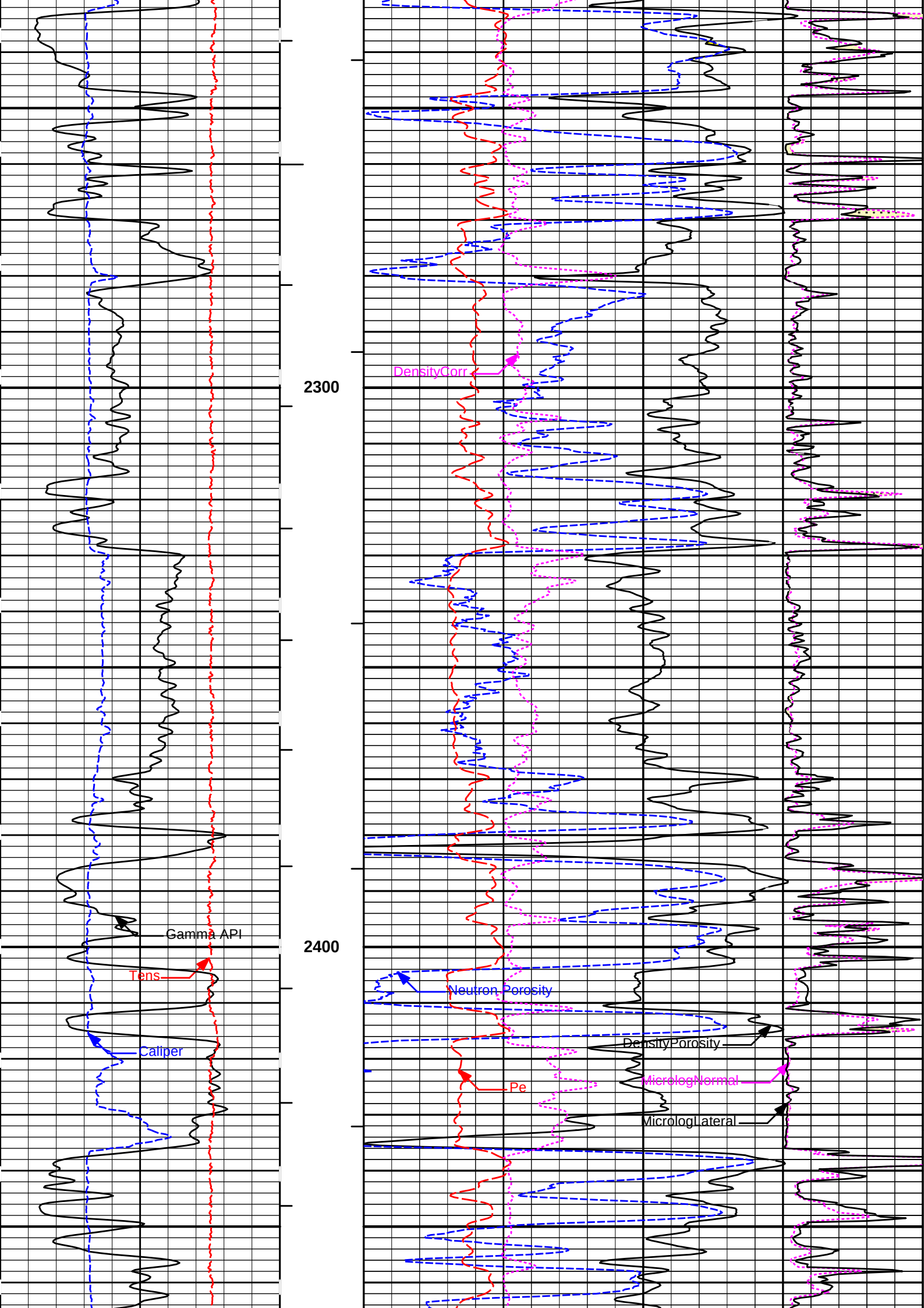
Tens
Caliper
Neutron Porosity
DensityPorosity
Pe
MicrologNormal
MicrologLateral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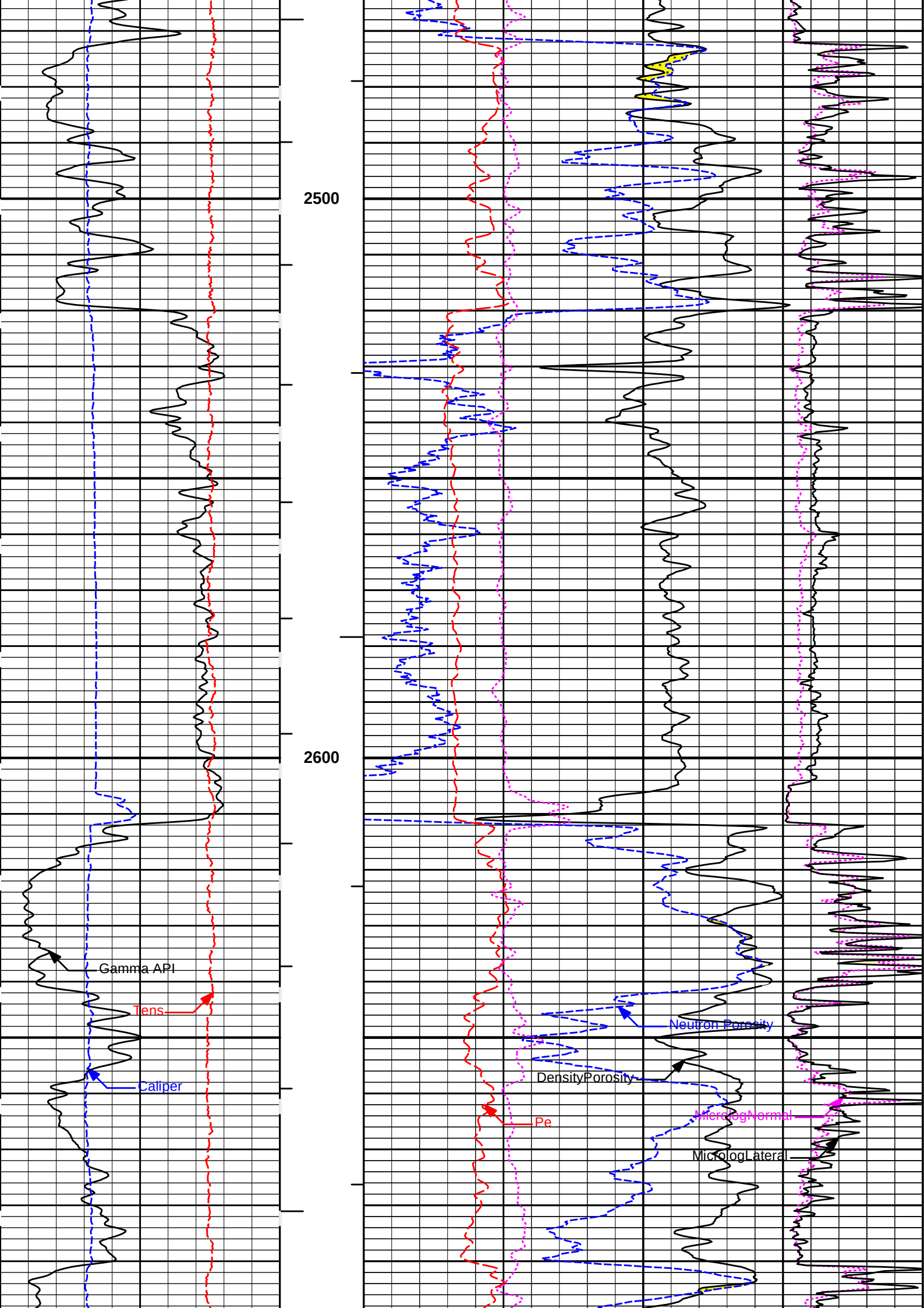
DensityCorr
Gamma API
Tens
Caliper
Neutron Porosity
DensityPorosity
MicrologNormal
Pe
MicrologLateral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2600
Gamma API
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Caliper
Neutron Porosity
DensityPorosity
Pe
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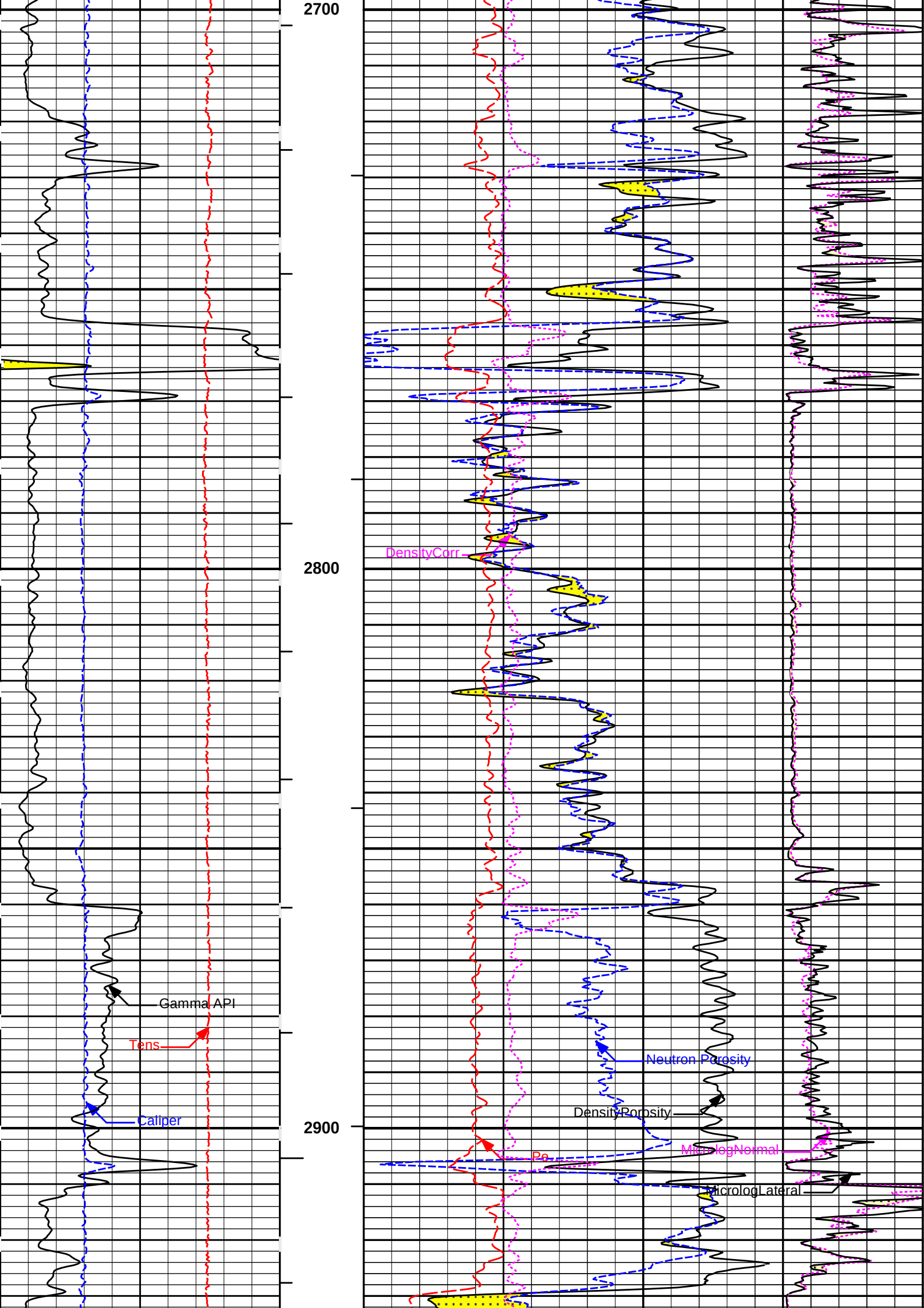
MicrologLateral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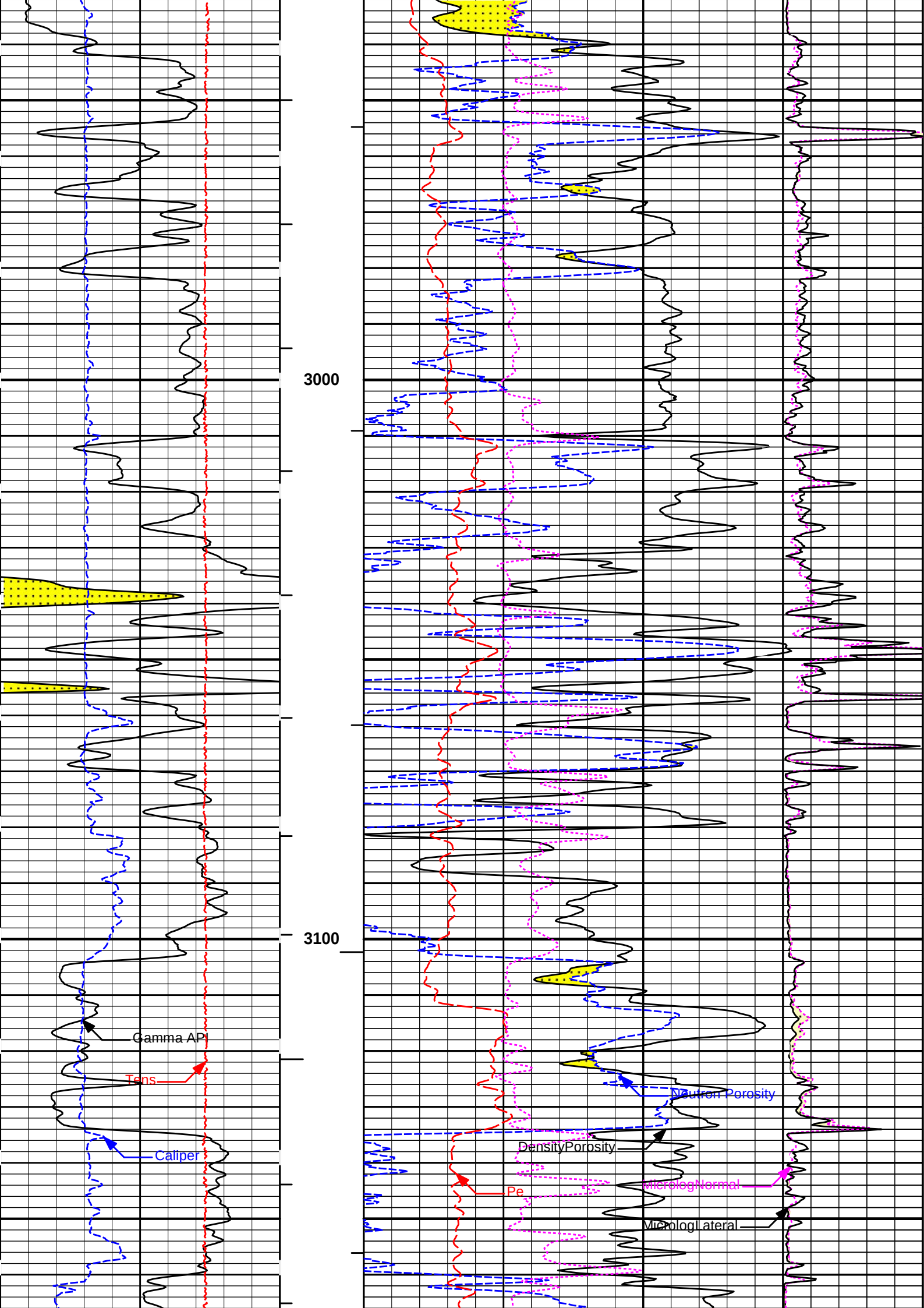
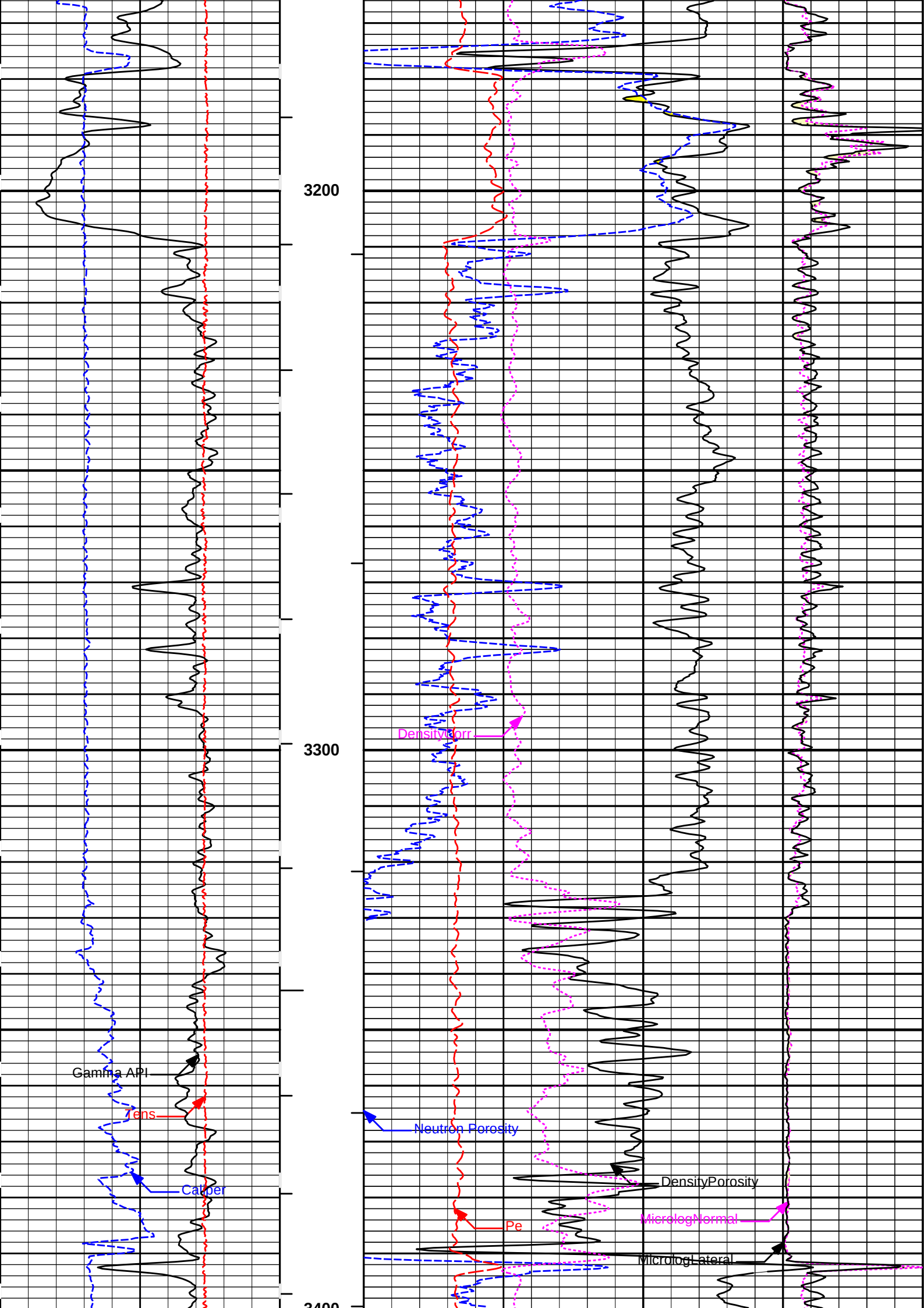
2900
DensityCorr
Gamma API
Tens
Caliper
Neutron Porosity
DensityPorosity
Pe
MicrologNormal
MicrologLateral


3000
3100
Gamma API
Tens
Caliper
Neutron Porosity
DensityPorosity
Pe
MicrologNormal
MicrologLateral


3200
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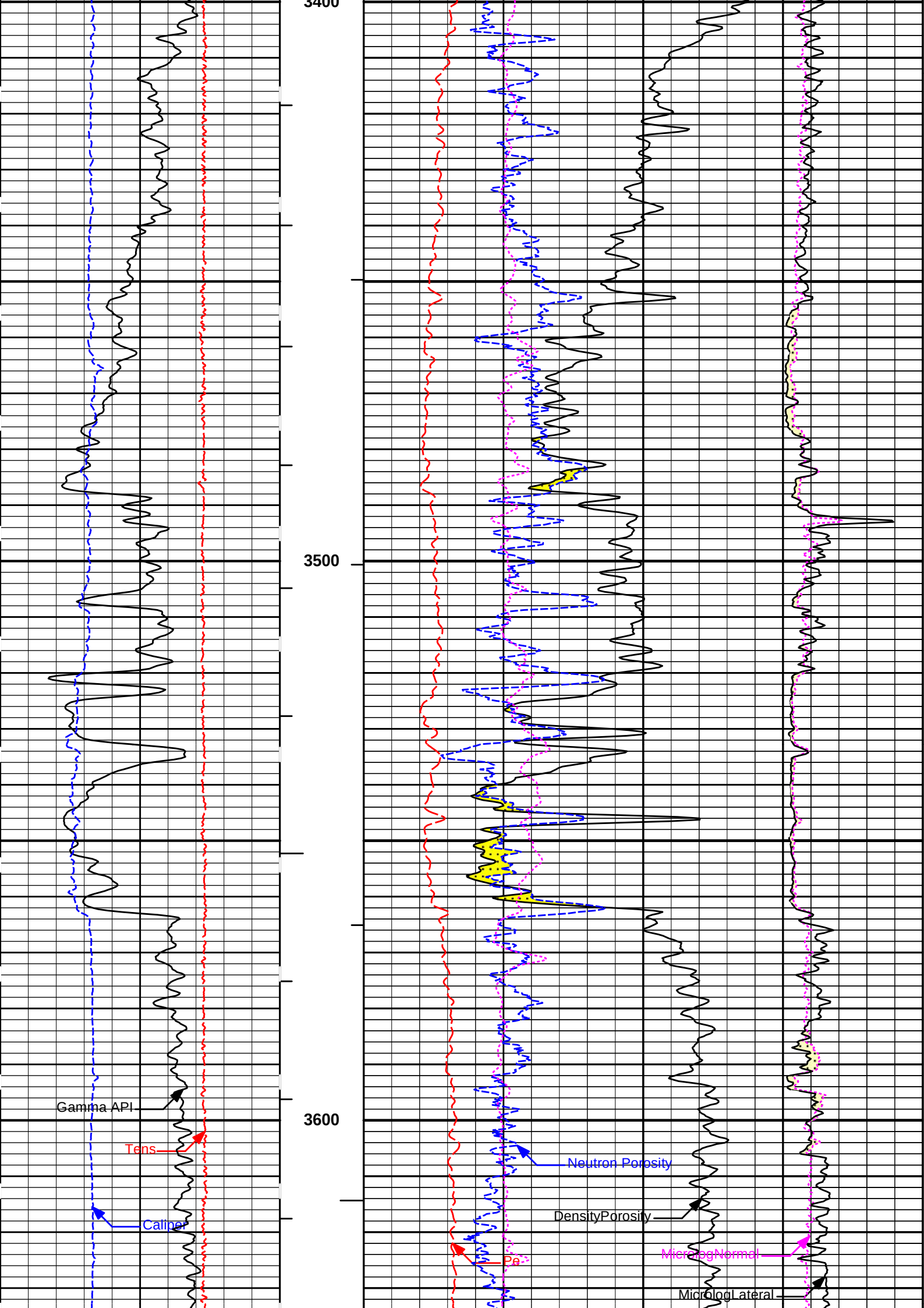
3400
DensityCorr
Gamma API
Tens
Caliper
Neutron Porosity
DensityPorosity
Pe
MicrologNormal
MicrologLateral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3500
3600
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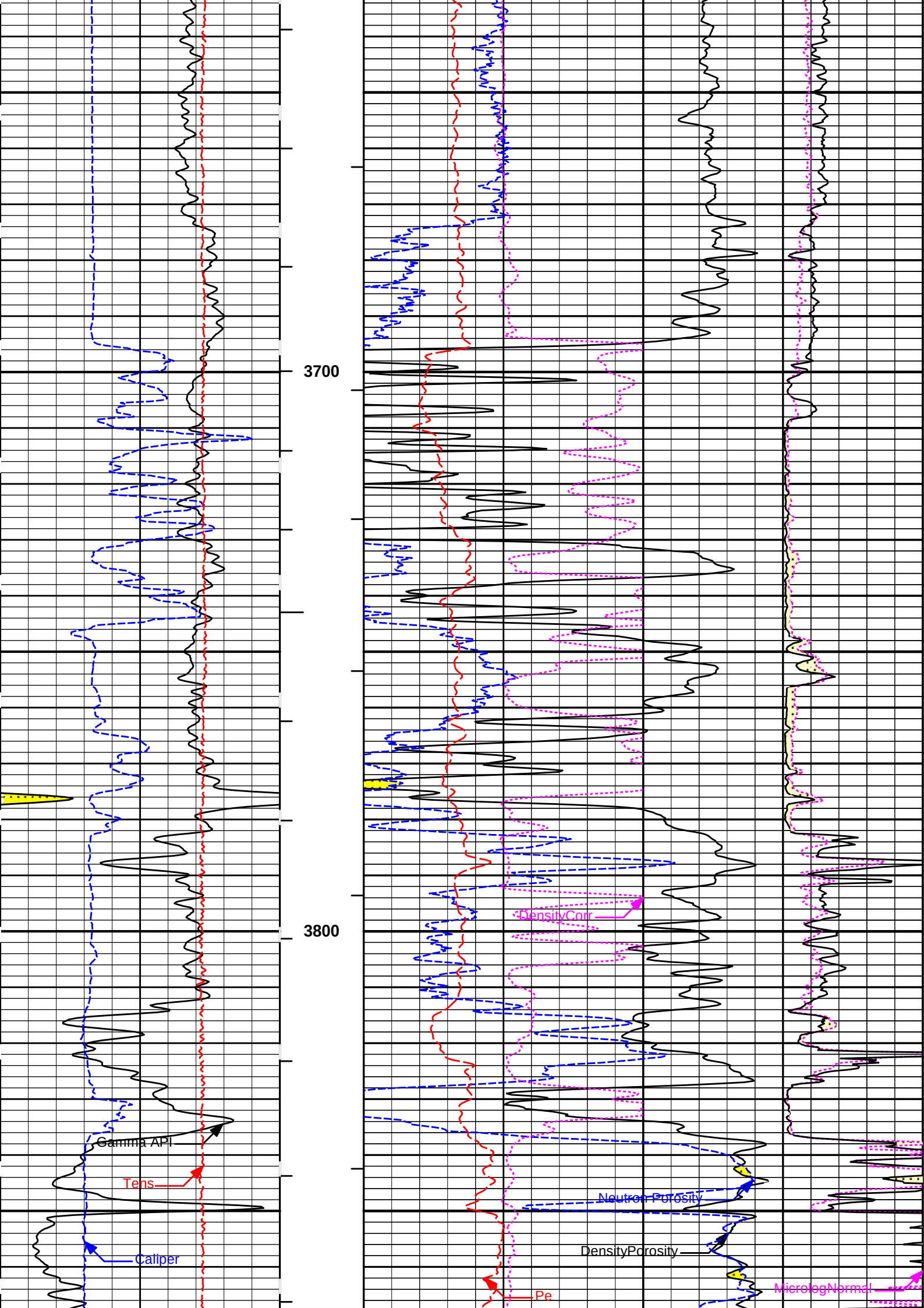
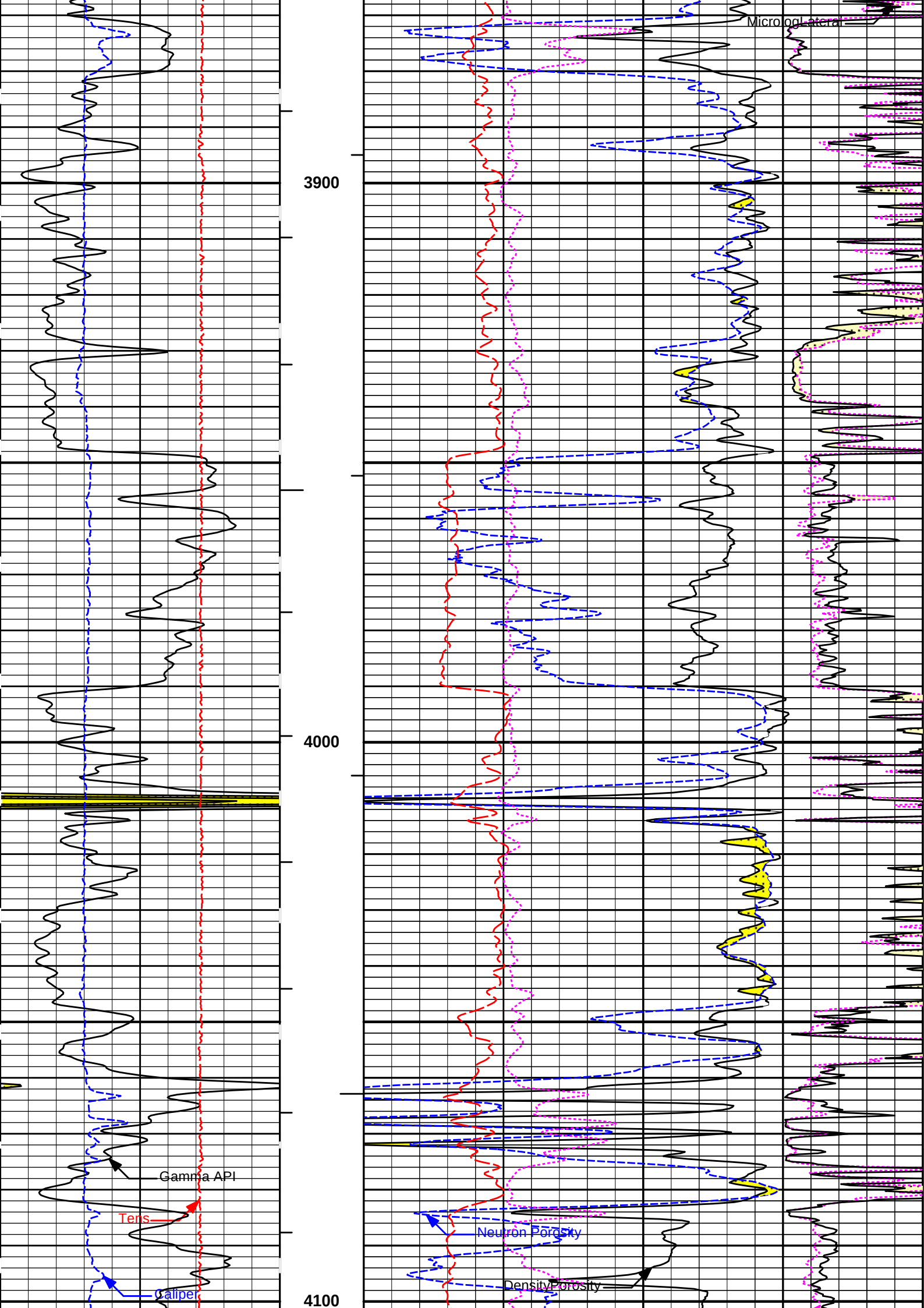
Tens
Caliper
Neutron Porosity
DensityPorosity
Pe
MicrologNormal
MicrologLateral


3700
3800
Gamma API
Tens
Caliper
DensityCorr
Neutron Porosity
DensityPorosity
Pe
MicrologNormal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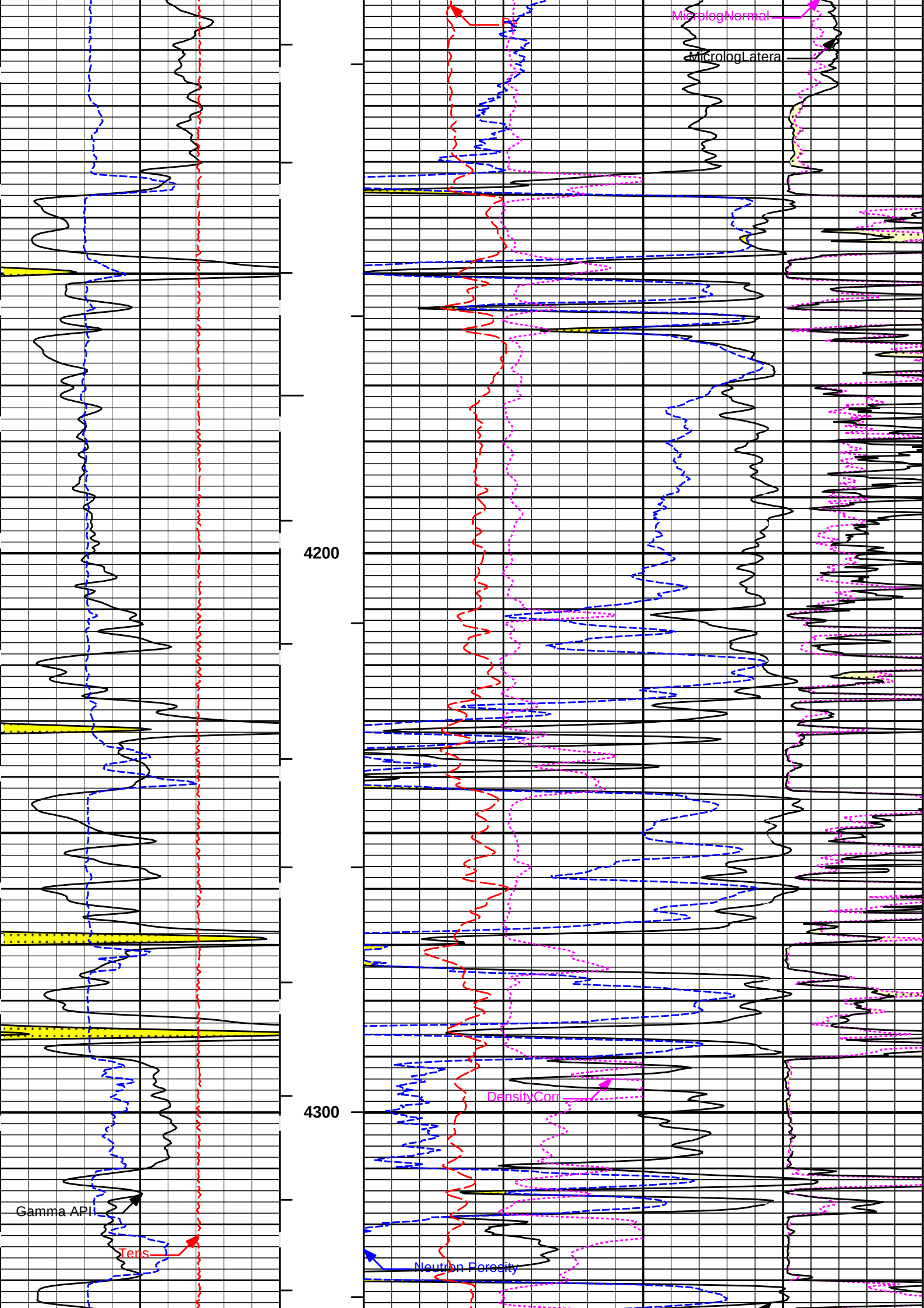
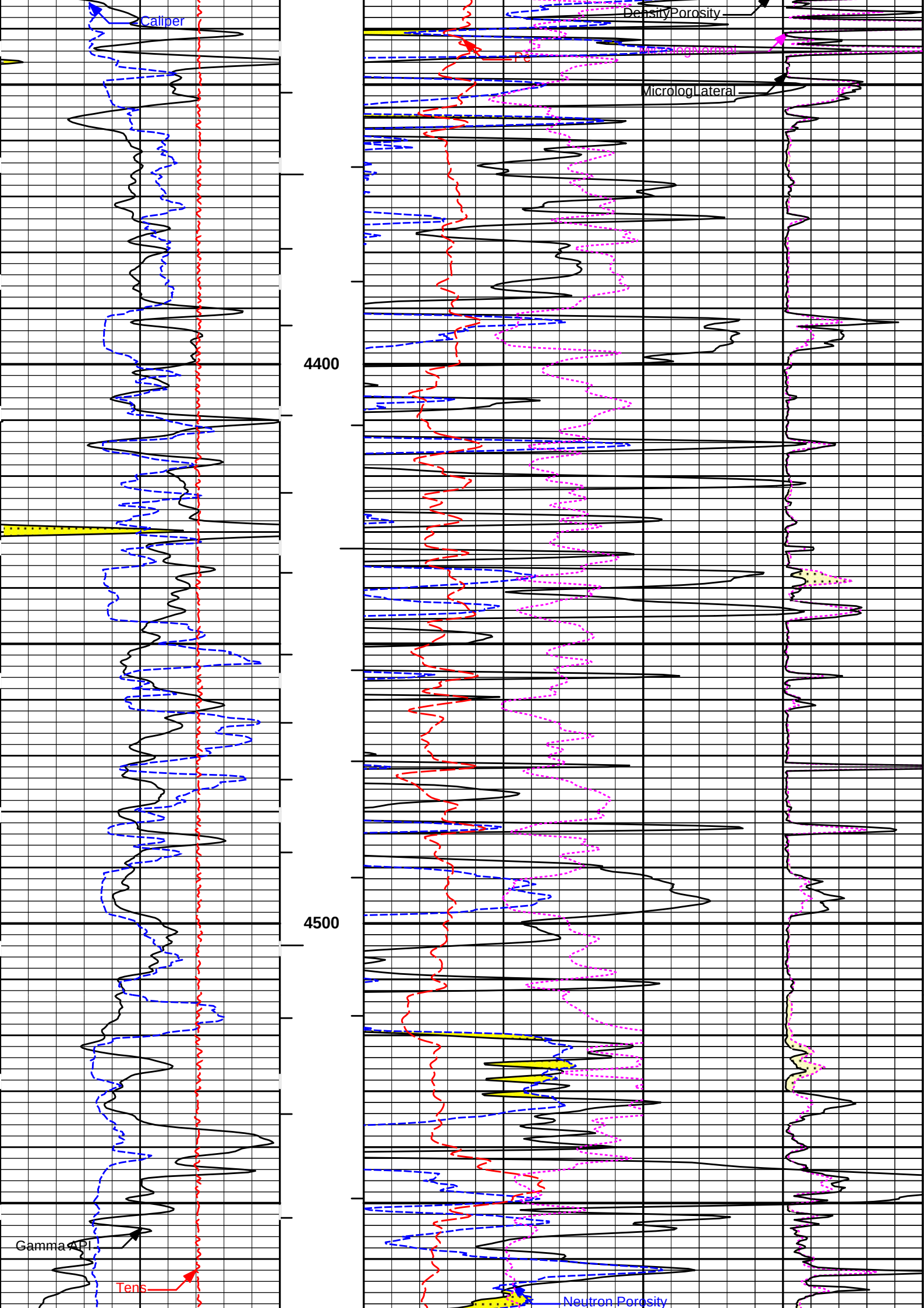
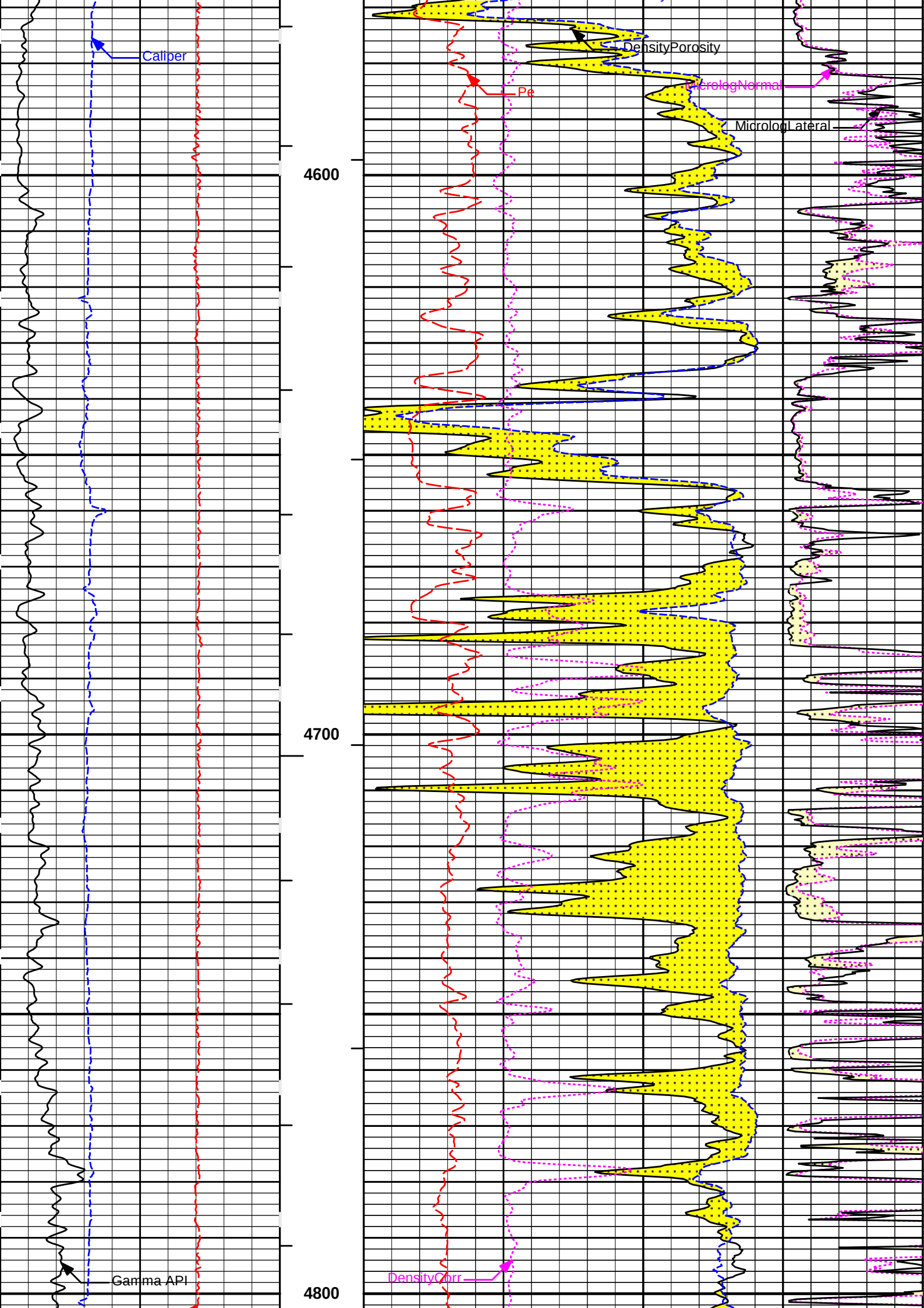
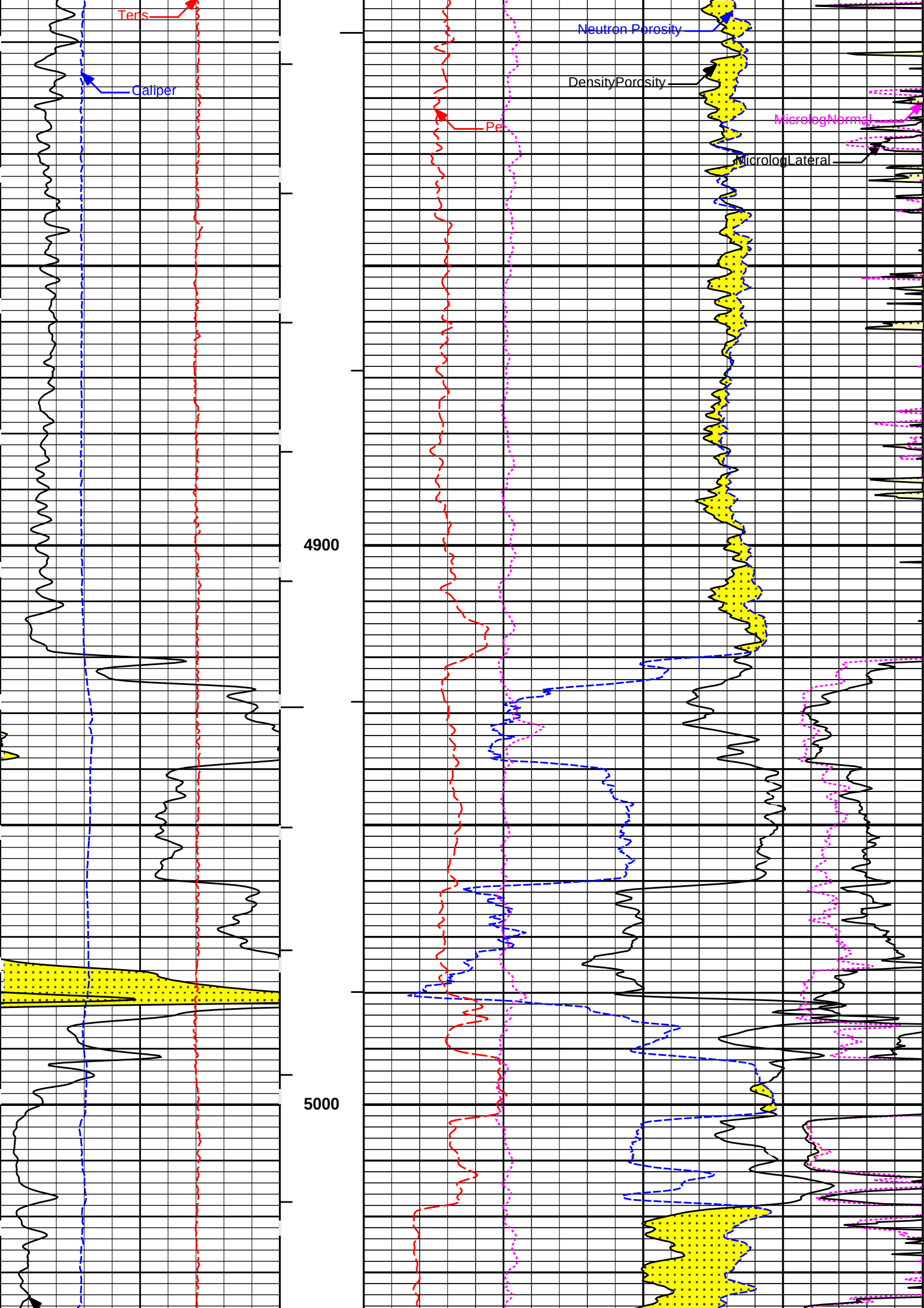
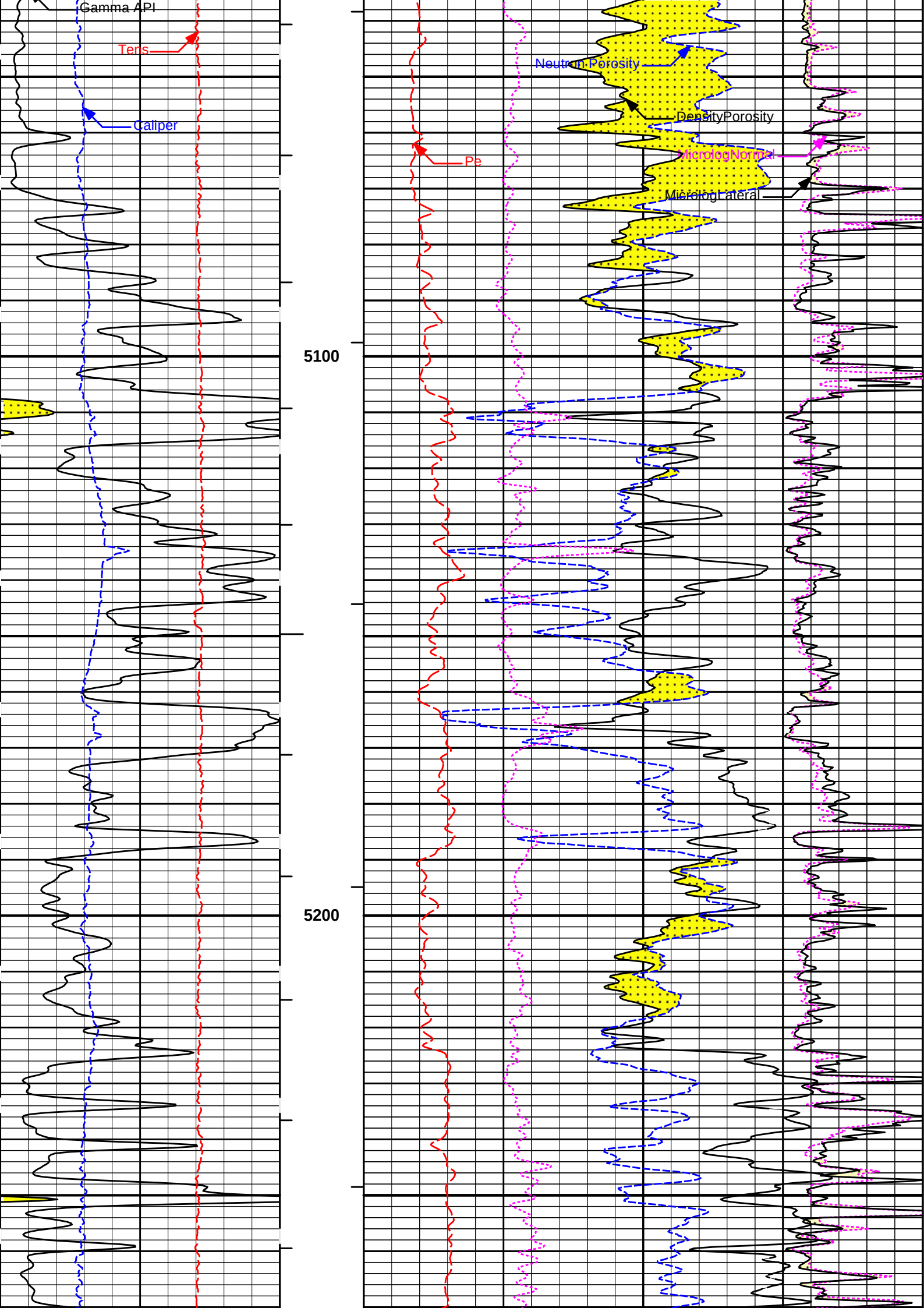
4000
Gamma API
Tens
Caliper
Neutron Porosity
DensityPorosity
4100

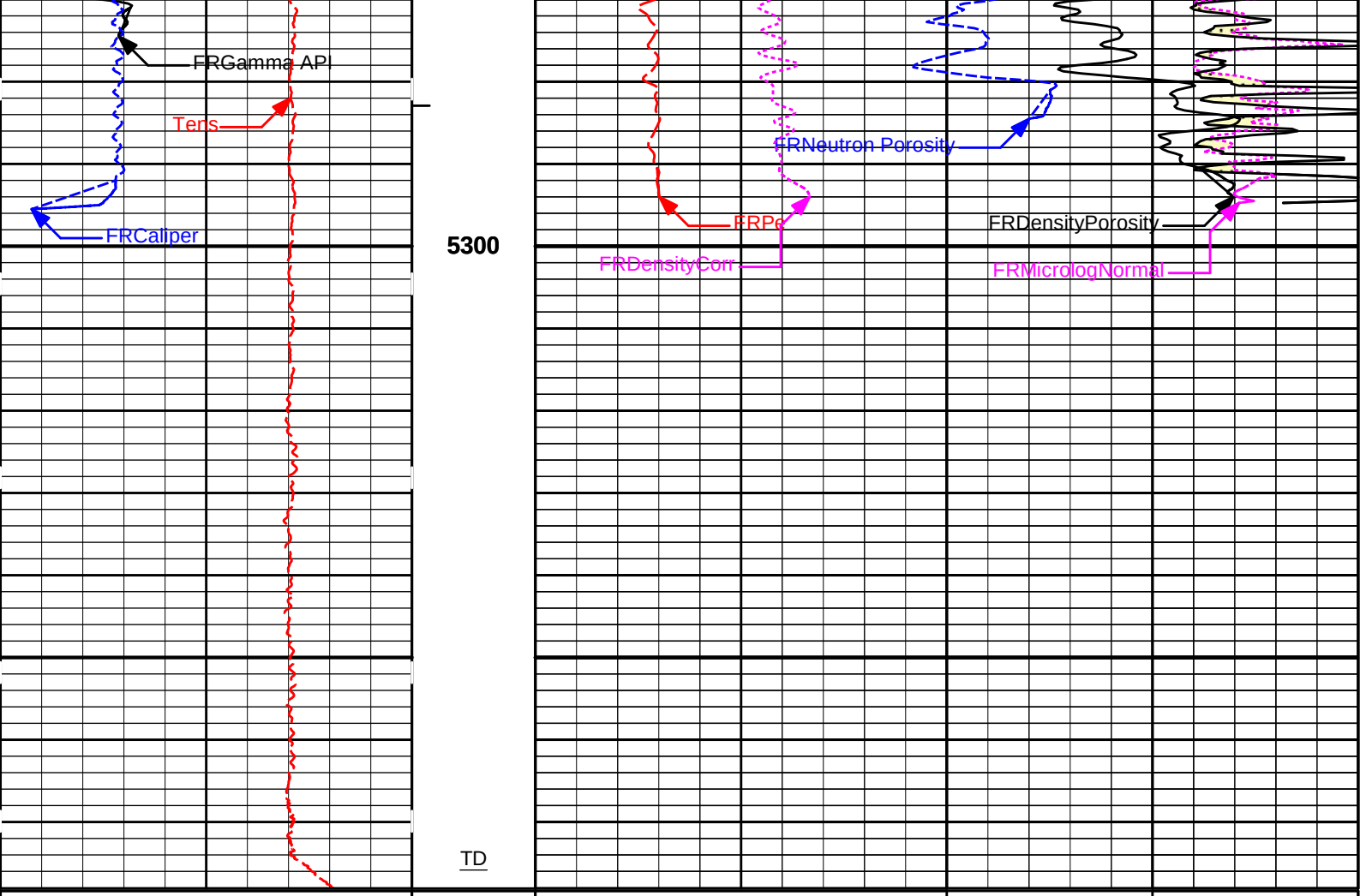

MicrologNormal
MicrologLatera
4200
DensityCorr
4300
Gamma API
Tens
Neutron Porosity


Caliper
DensityPorosity
Pe
MicrologNormal
MicrologLateral
4400
4500
Gamma API
Tens
Neutron Porosity


Caliper
Gamma API
DensityPorosity
Pe
MicrologNormal
MicrologLateral
DensityCorr
4600
4700
4800


Tens
Caliper
Neutron Porosity
DensityPorosity
Pe
MicrologNormal
MicrologLateral
4900
5000


Gamma API
Tens
Caliper
Pe
Neutron Porosity
DensityPorosity
MicrologNormal
MicrologLateral
5100
5200



15K Tens 0	1 : 240	0 Pe 10
pounds	ft	
6 Caliper 16	AHVT	-0.25 DensityCorr 0.25
inches		g/cc
0 Gamma API 150	BHVT	30 DensityPorosity -10
api		%
		30 Neutron Porosity -10
		%

0 MicrologNormal 20	
ohm-metre	
0 MicrologLateral 20	
ohm-metre	

HALLIBURTON

Plot Time: 05-Oct-17 08:46:15
Plot Range: 312 ft to 5378.08 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-004\
Plot File: \\SDL-DSN\PoroML_5_main_IQ

5 INCH MAIN LOG

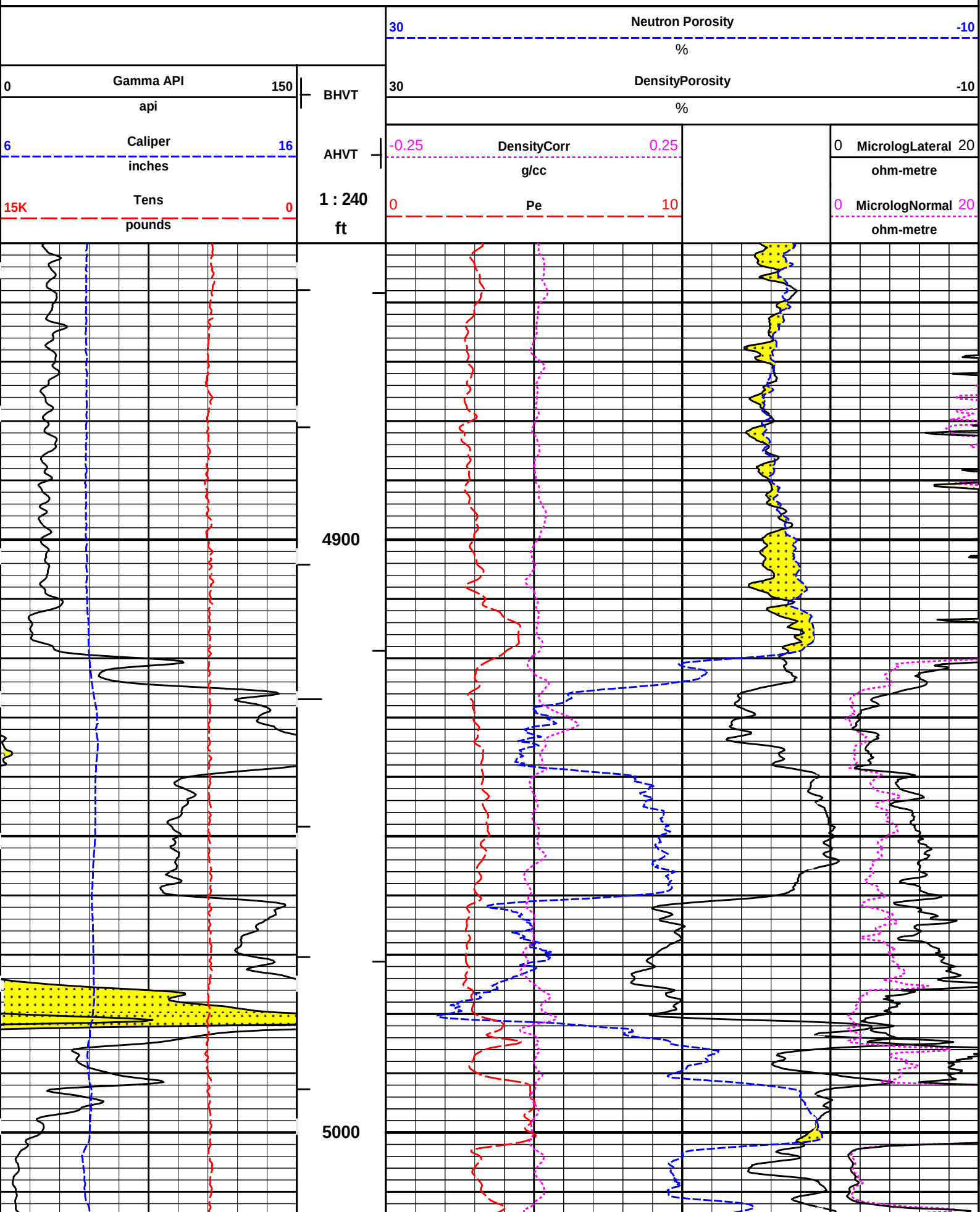
MAIN SECTION 5" PER 100'

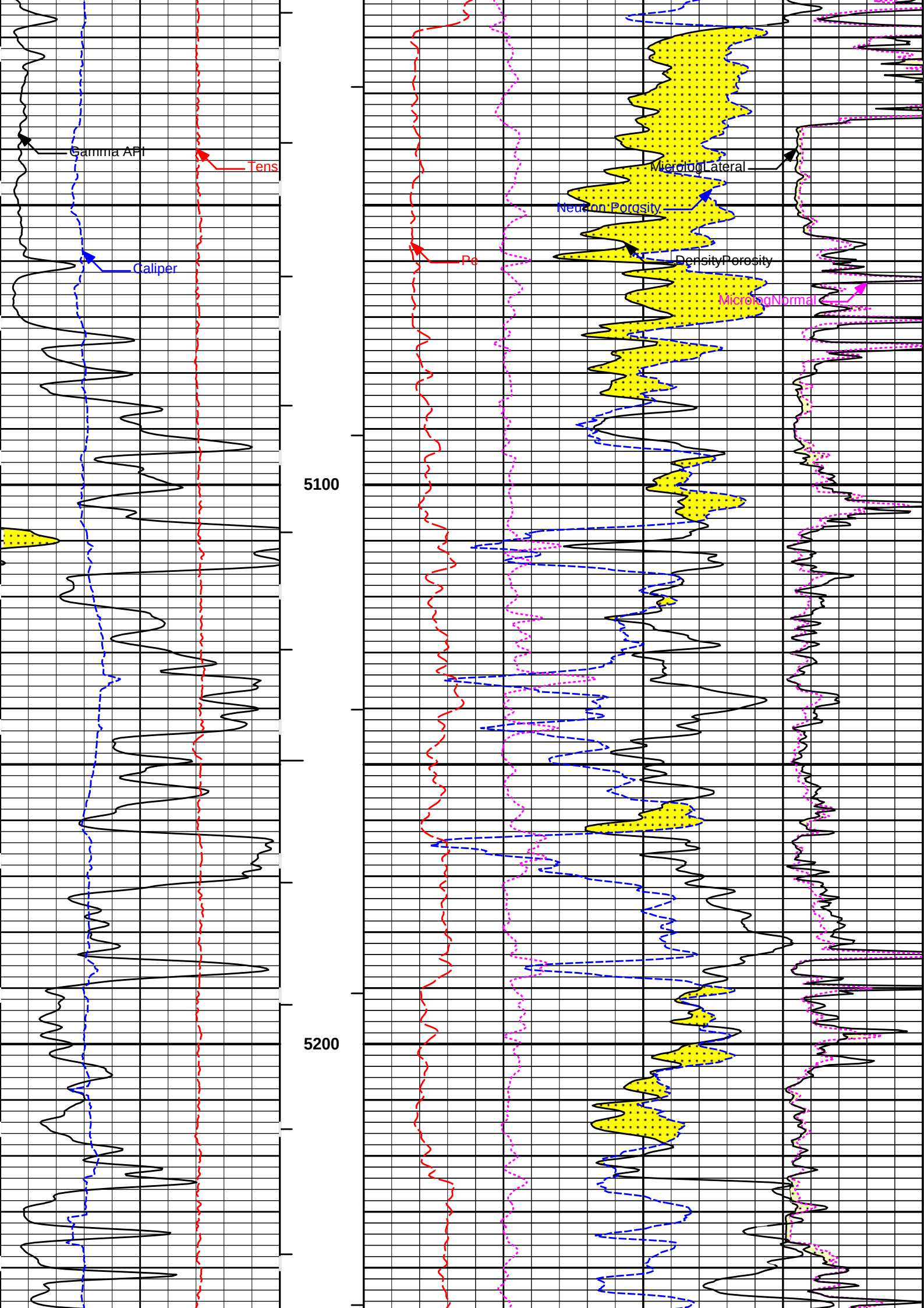
HALLIBURTON

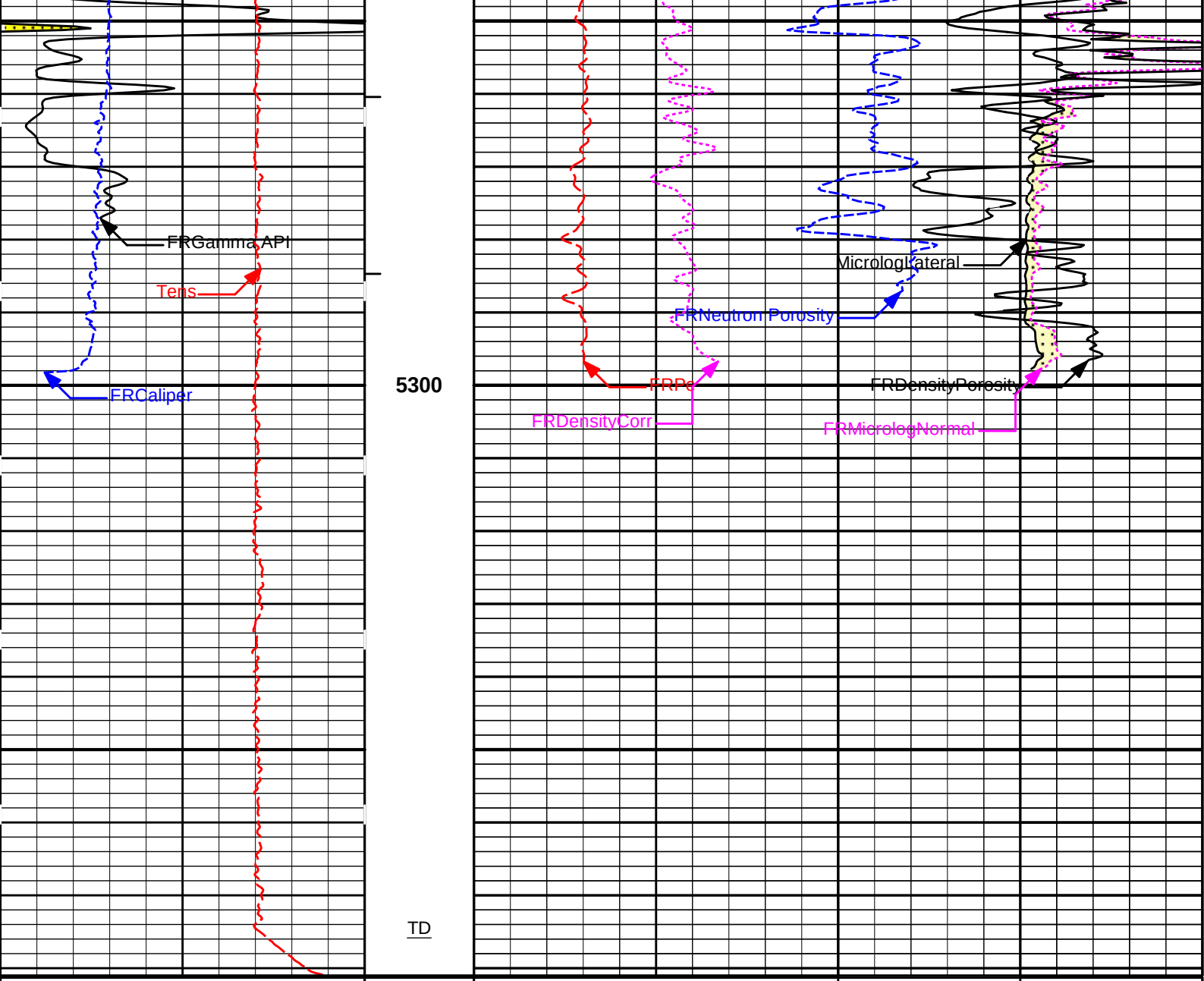
Plot Time: 05-Oct-17 08:46:15
Plot Range: 4850 ft to 5381 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-003\
Plot File: \\SDL-DSN\PoroML_5_main_IQ

REPEAT SECTION

REPEAT SECTION




Gamma API
Tens
Caliper
Pe
MicrologLateral
Neutron Porosity
DensityPorosity
MicrologNormal
5100
5200



15K Tens 0	1 : 240	0 Pe 10
pounds	ft	
6 Caliper 16	AHVT	-0.25 DensityCorr 0.25
inches		g/cc
0 Gamma API 150	BHVT	30 DensityPorosity -10
api		%
		30 Neutron Porosity -10
		%

0 MicrologNormal 20	
ohm-metre	
0 MicrologLateral 20	
ohm-metre	

HALLIBURTON

Plot Time: 05-Oct-17 08:46:18
Plot Range: 4850 ft to 5381 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-003\
Plot File: \\SDL-DSN\PoroML_5_main_IQ

REPEAT SECTION

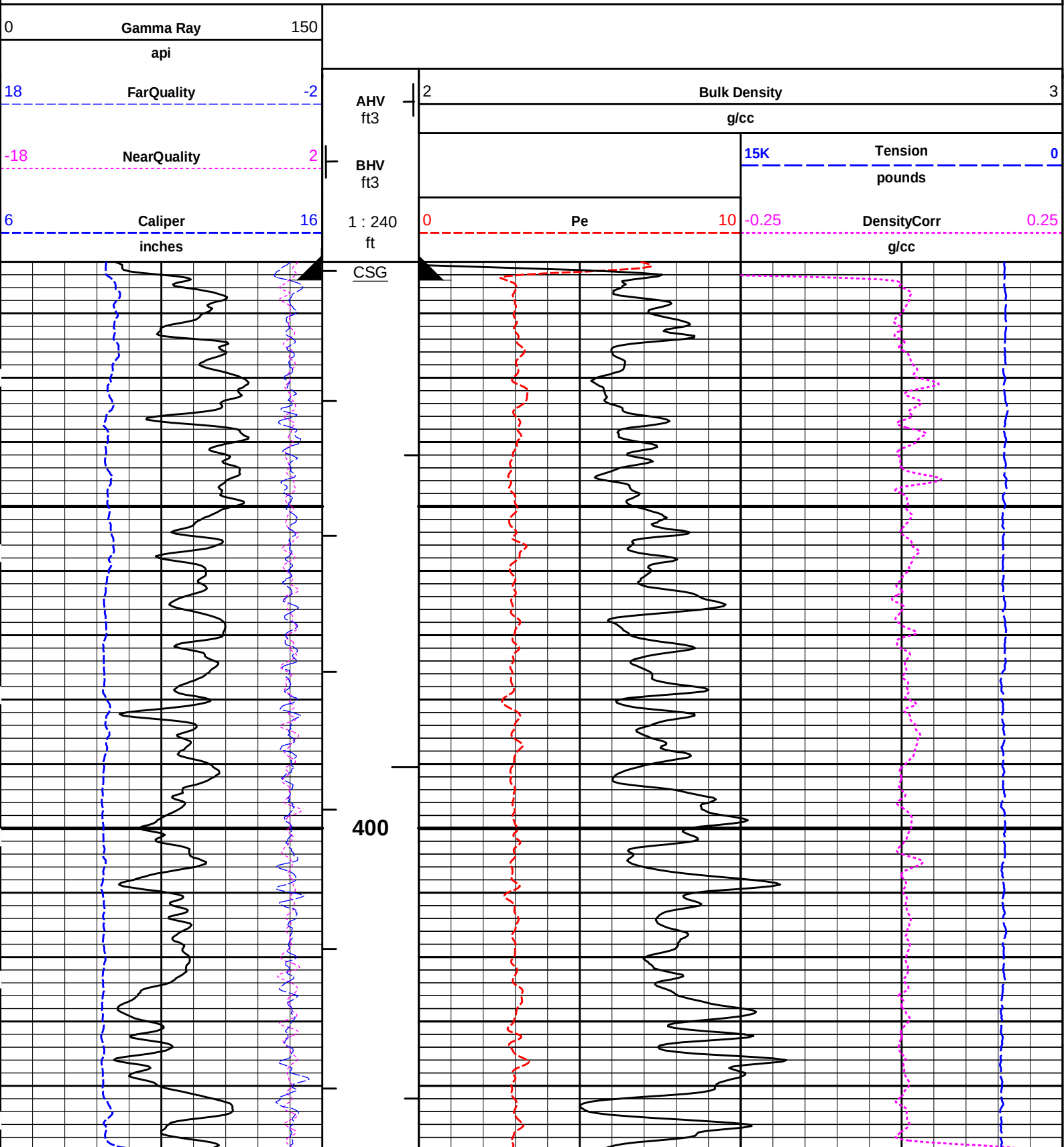
REPEAT SECTION

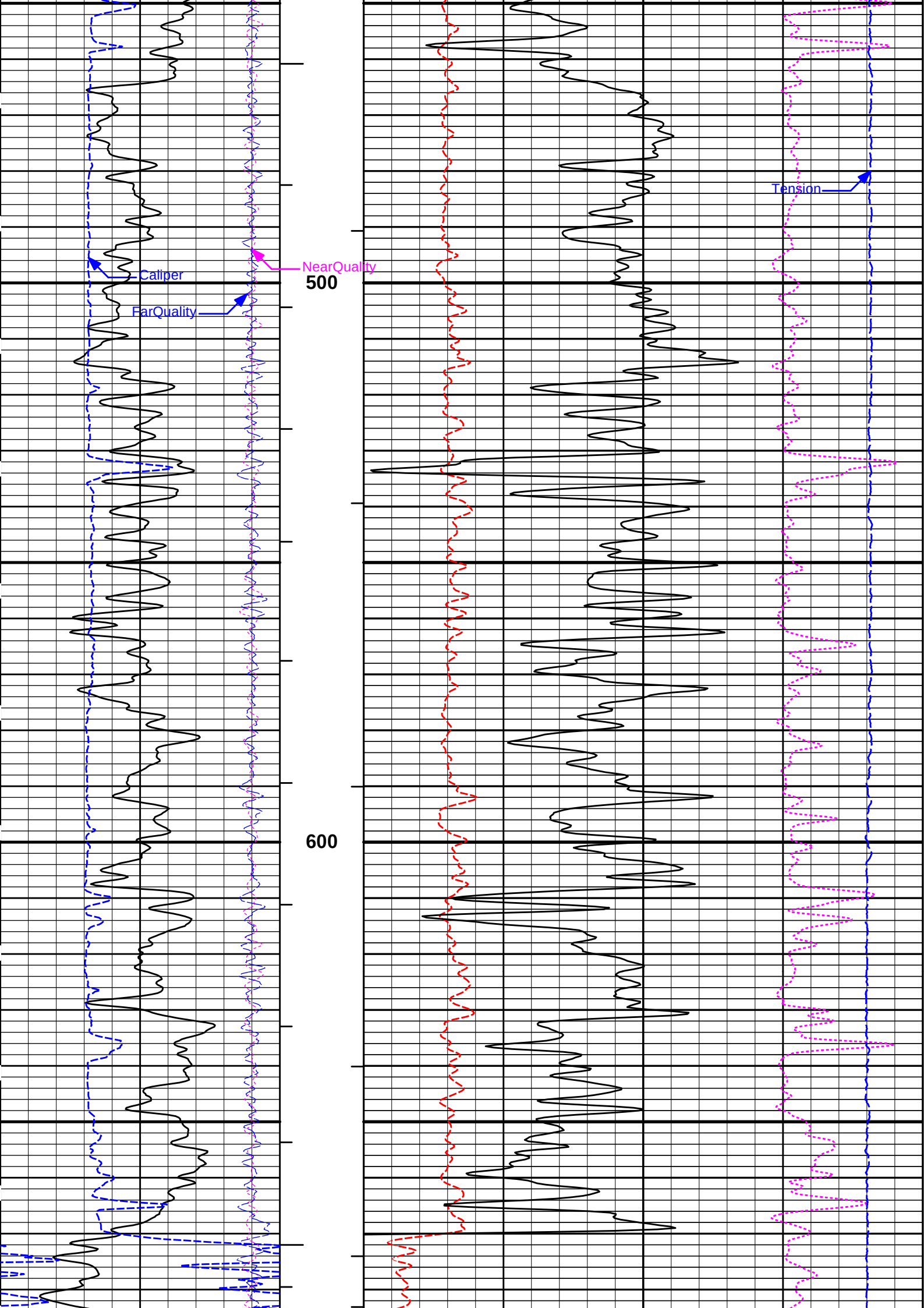
HALLIBURTON

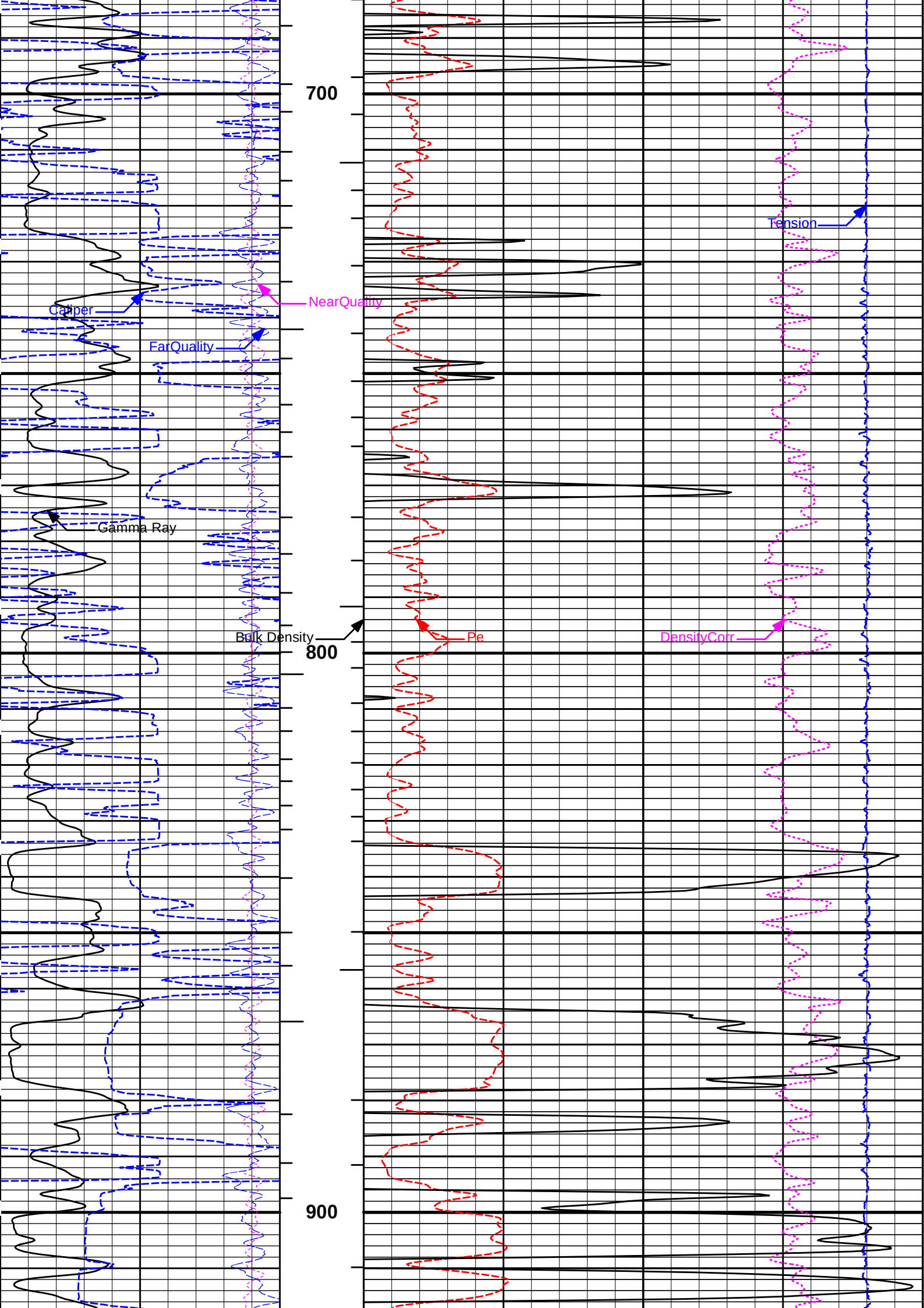
Plot Time: 05-Oct-17 08:46:18
Plot Range: 312 ft to 5378.08 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-004\
Plot File: \\-LOCAL-\DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\SDL-DSN\BULKD_5_MAIN_IQ

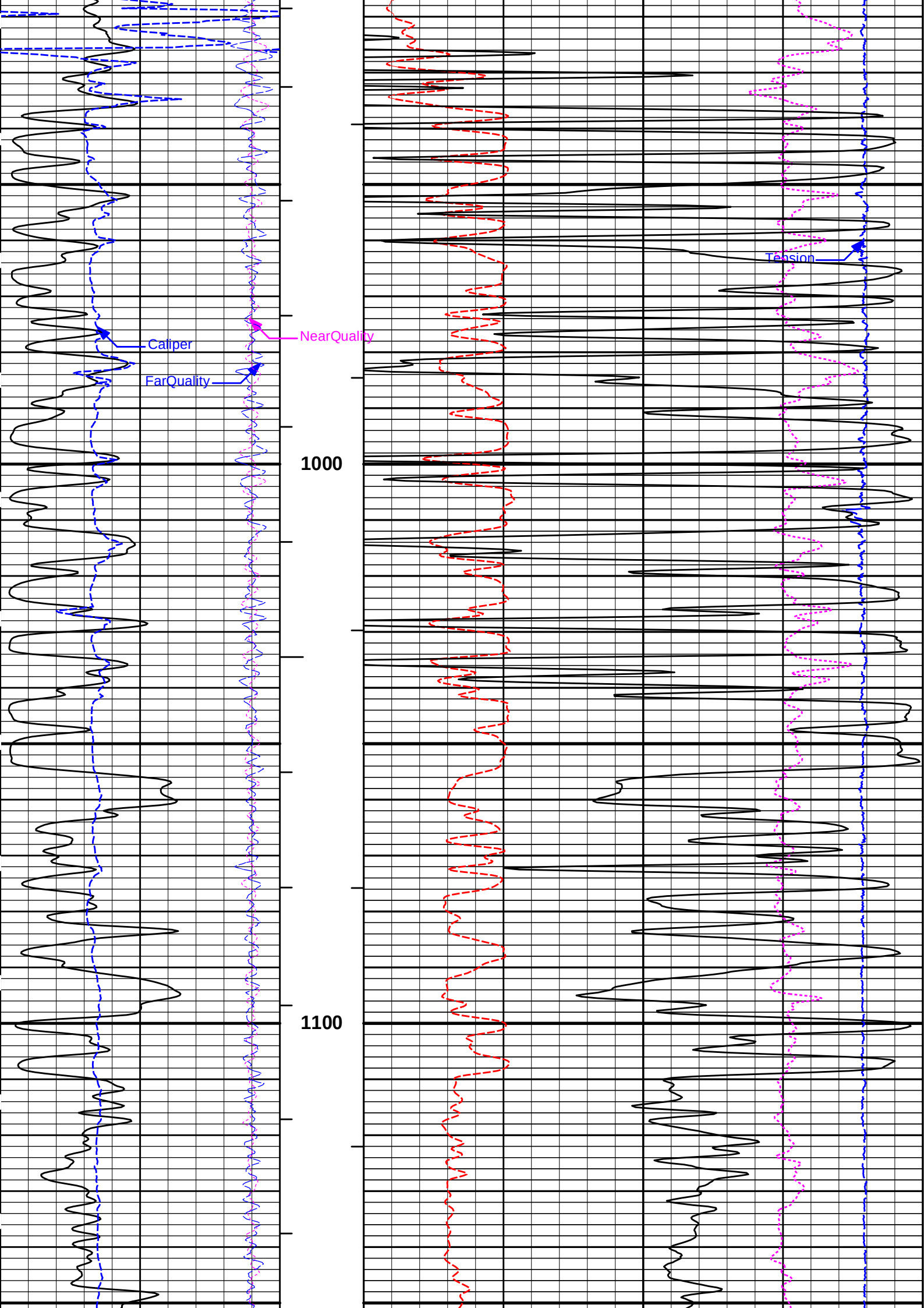
5 INCH MAIN LOG

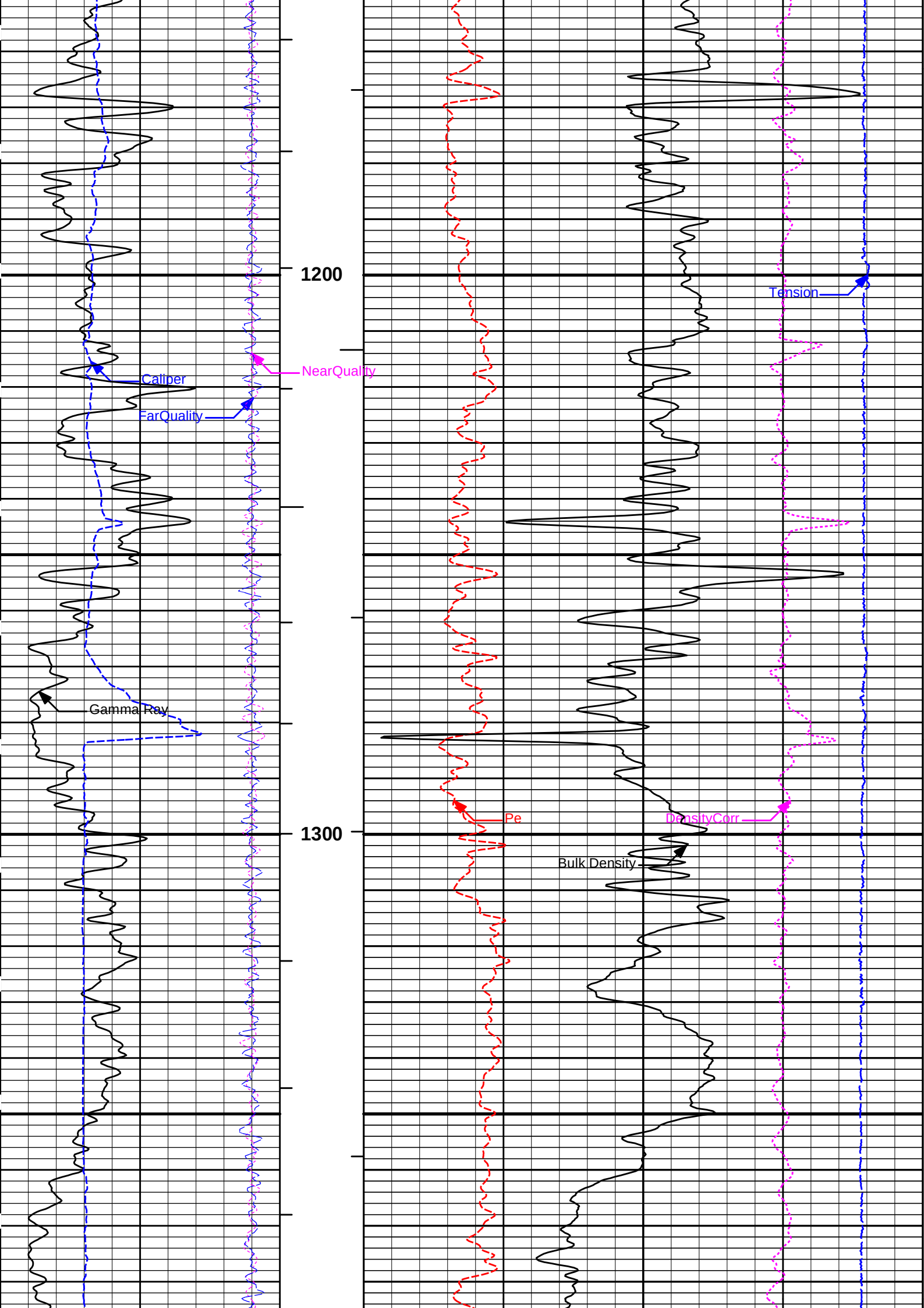
MAIN SECTION 5" PER 100'

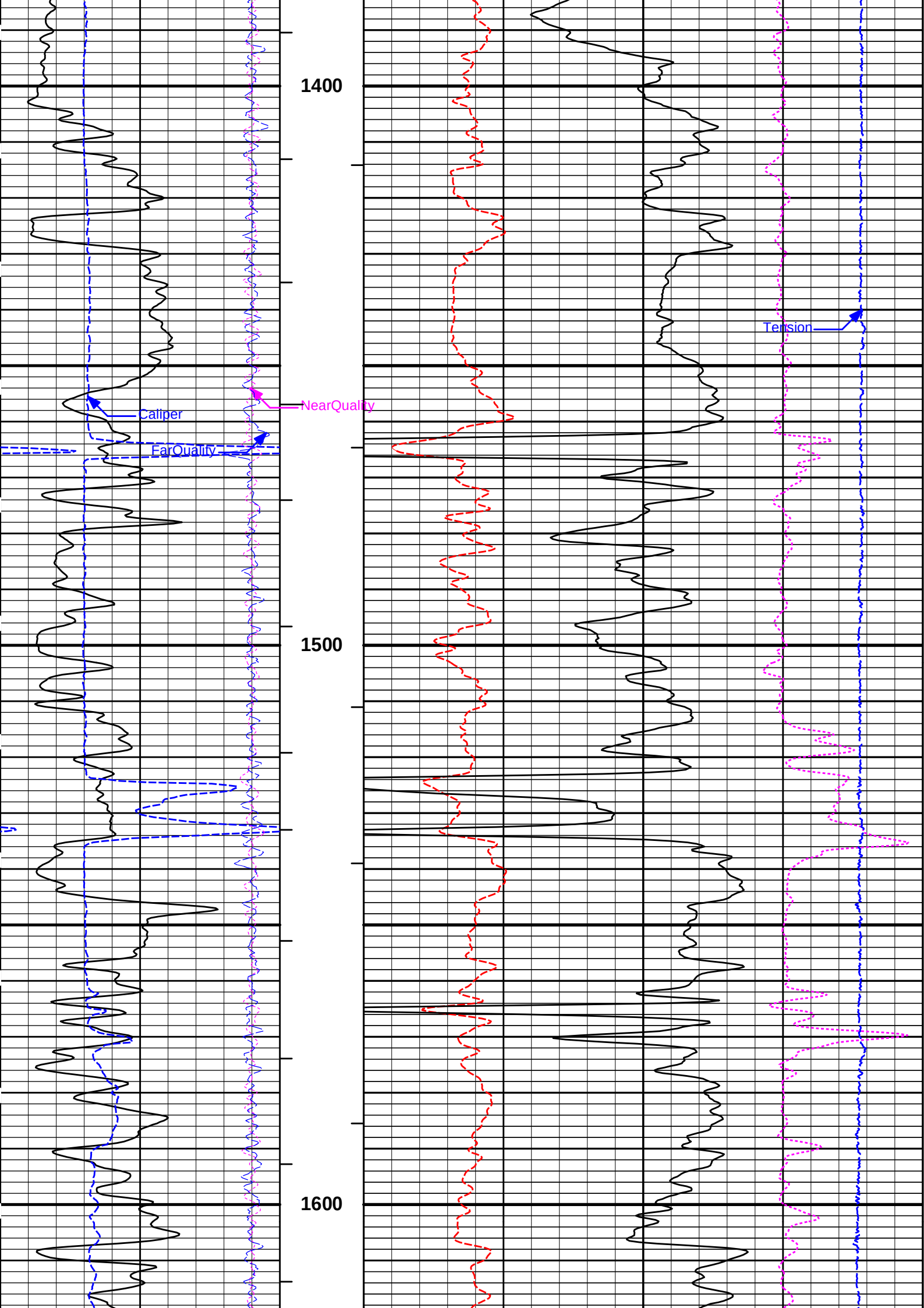


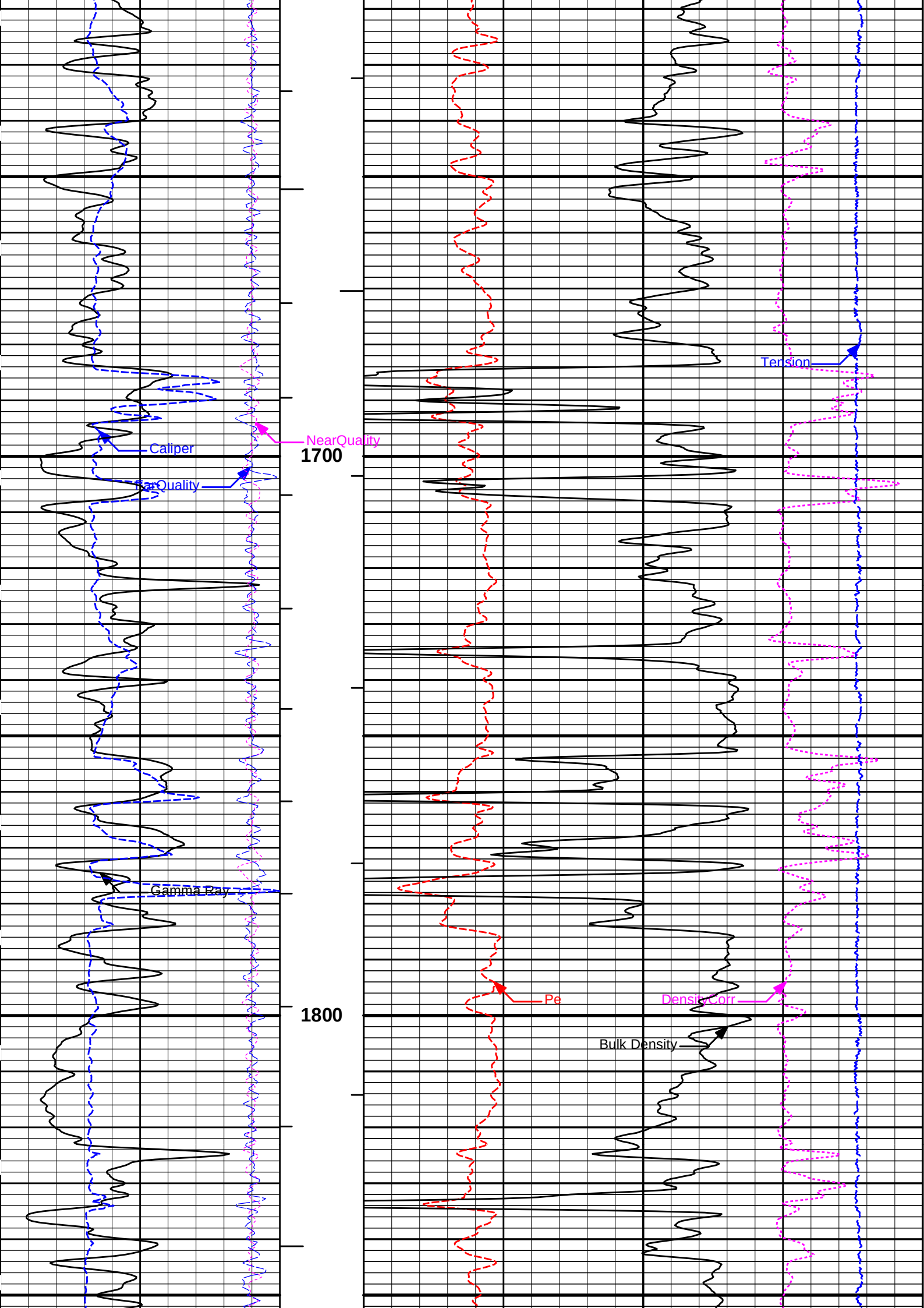

Caliper
FarQuality
NearQuality
500
600
Tension


700
800
900
Caliper
NearQuality
FarQuality
Gamma Ray
Bulk Density
Pe
DensityCorr
Tension


Caliper
FarQuality
NearQuality
Tension
1000
1100


1200
1300
Caliper
FarQuality
NearQuality
Gamma Ray
Tension
Pe
DensityCorr
Bulk Density


1400
1500
1600
Caliper
FarQuality
NearQuality
Tension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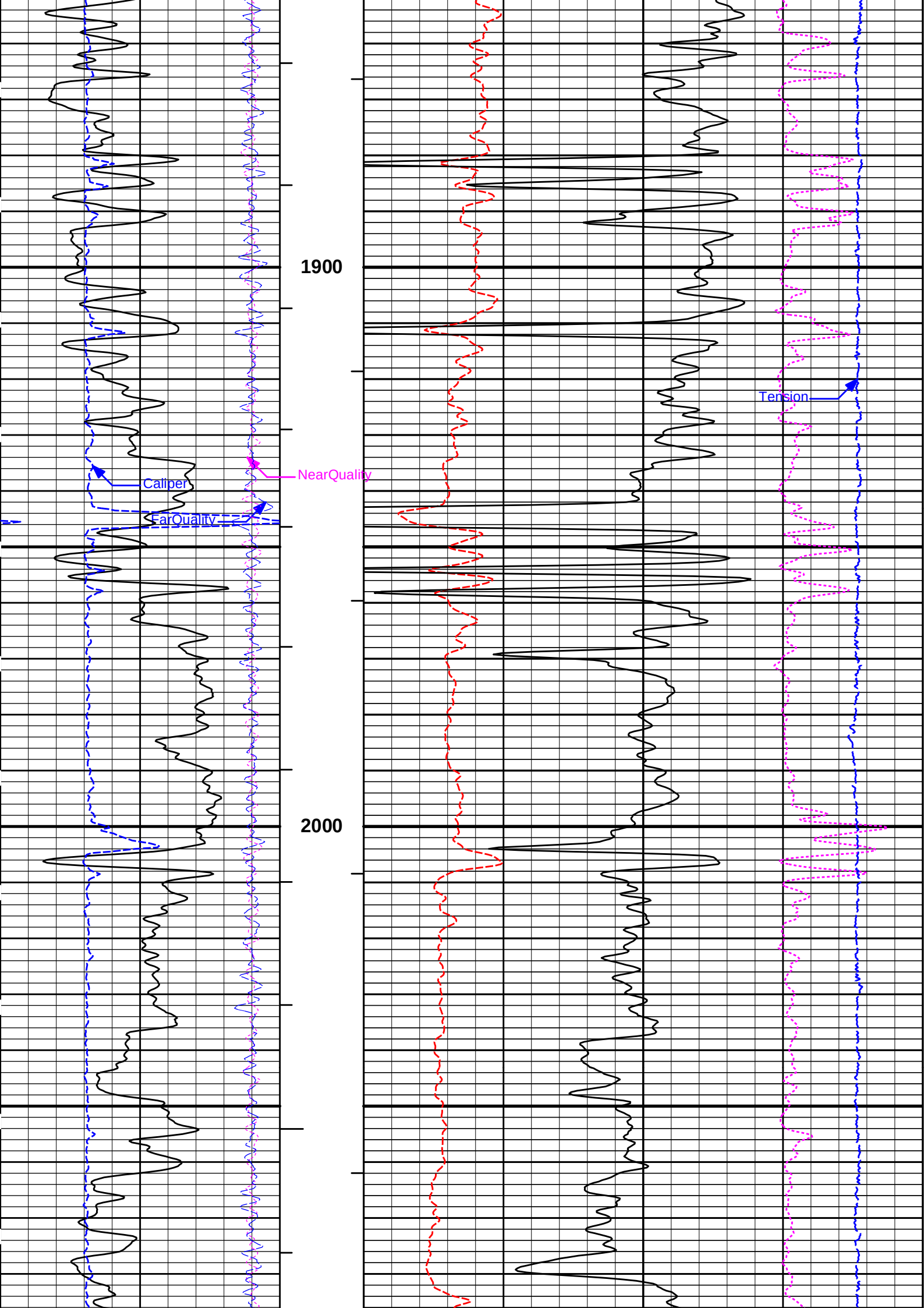
NearQuality
Caliper
1700
FarQuality
Gamma Ray
Pe
DensityCorr
1800
Bulk Density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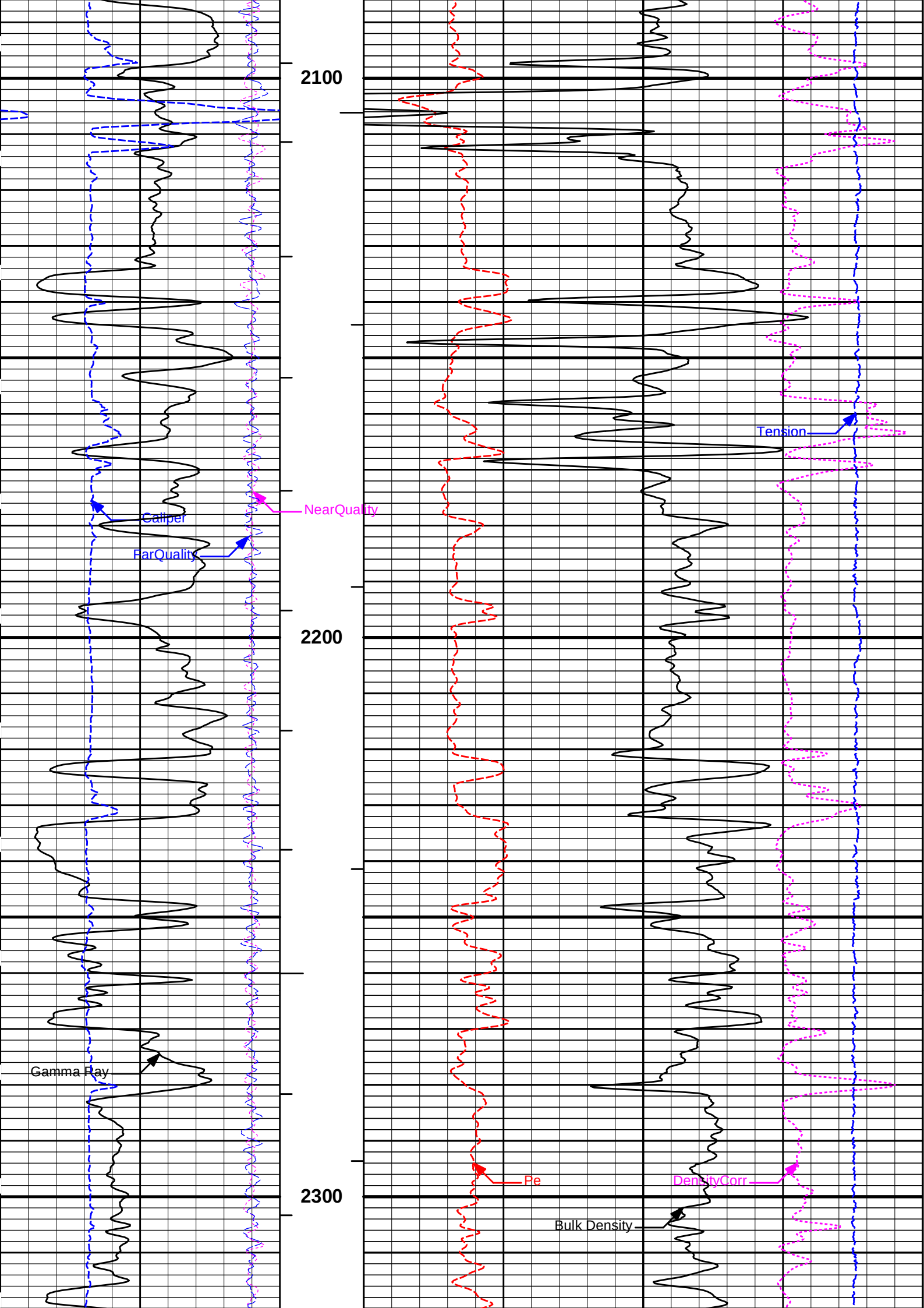
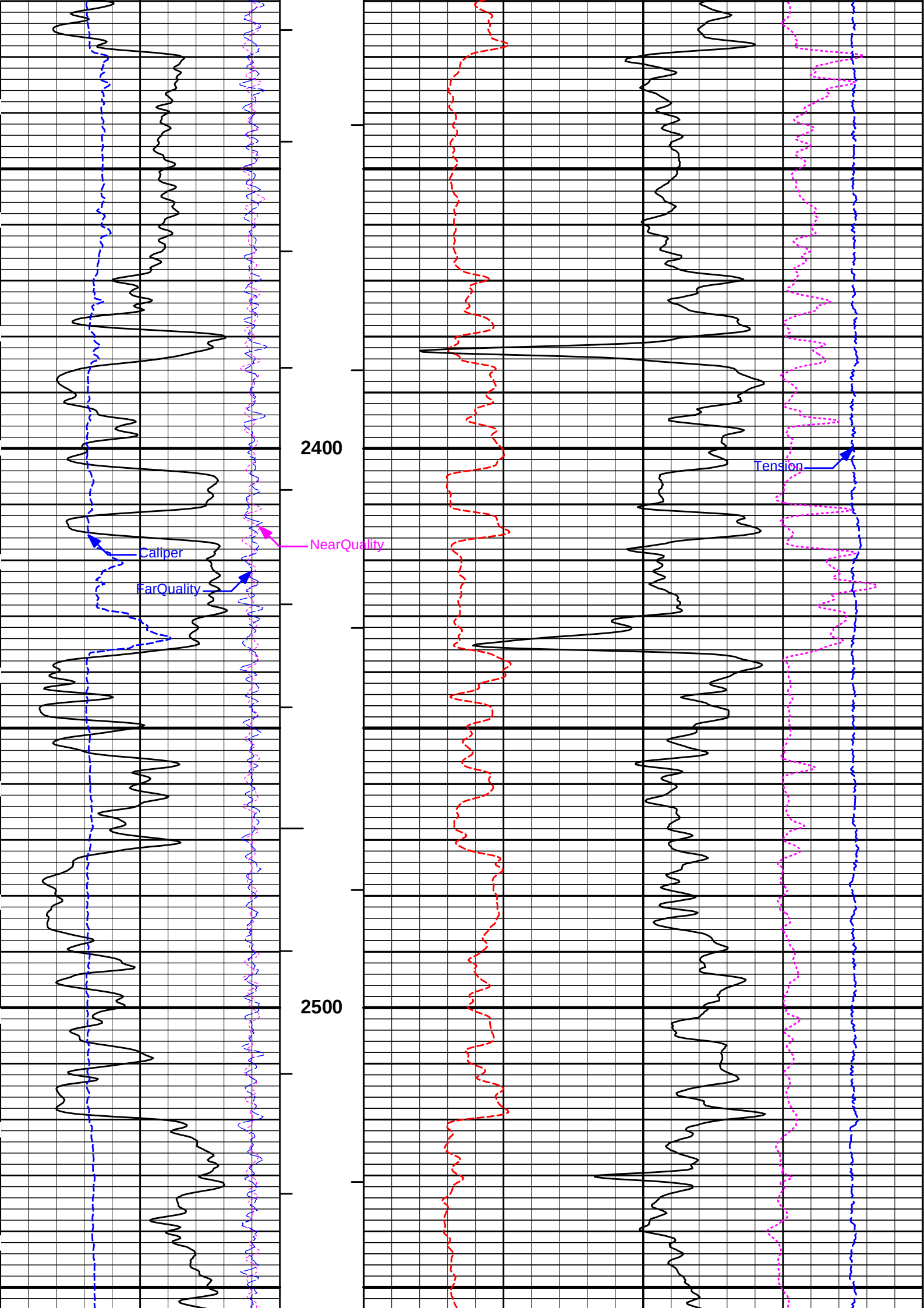
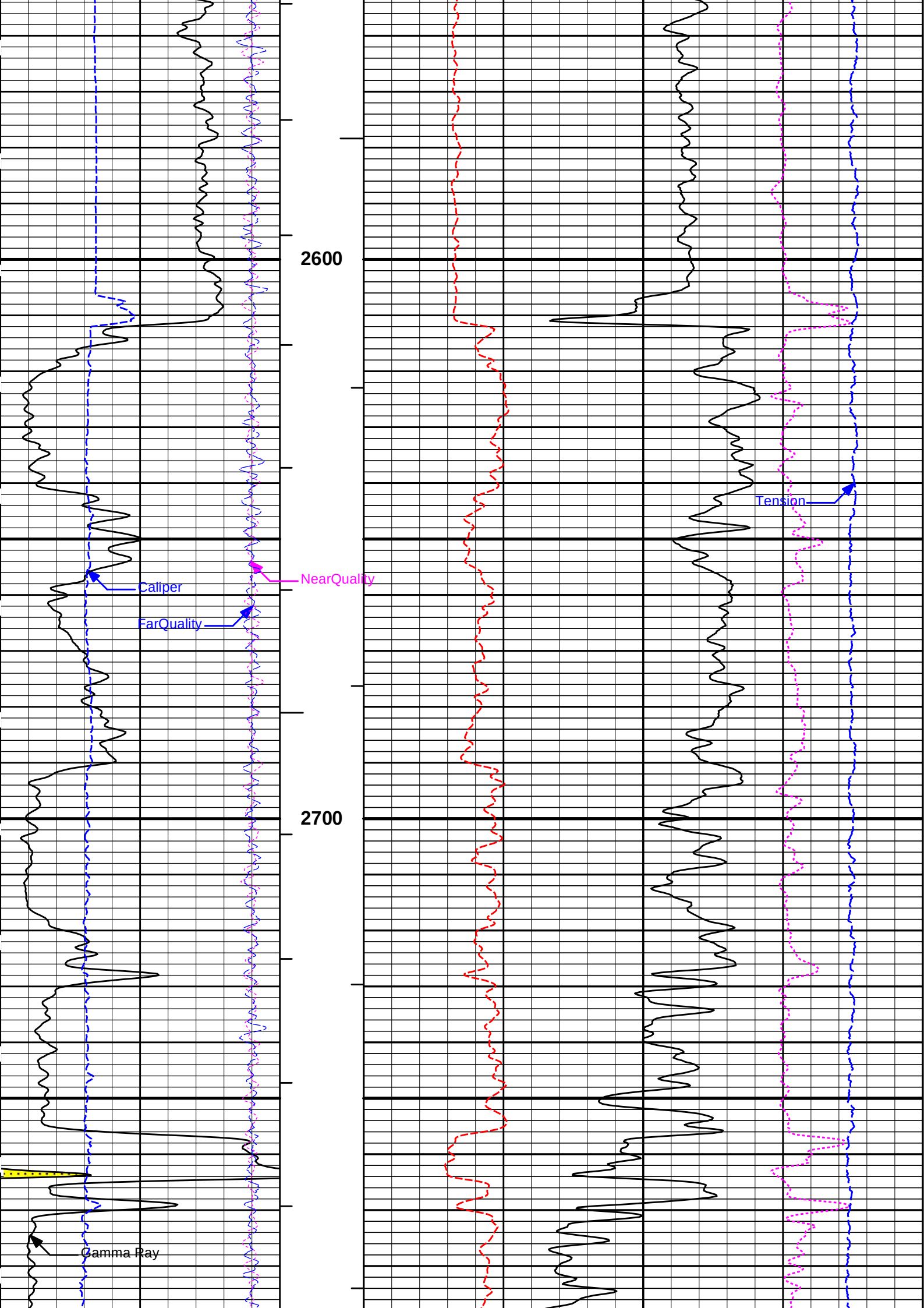
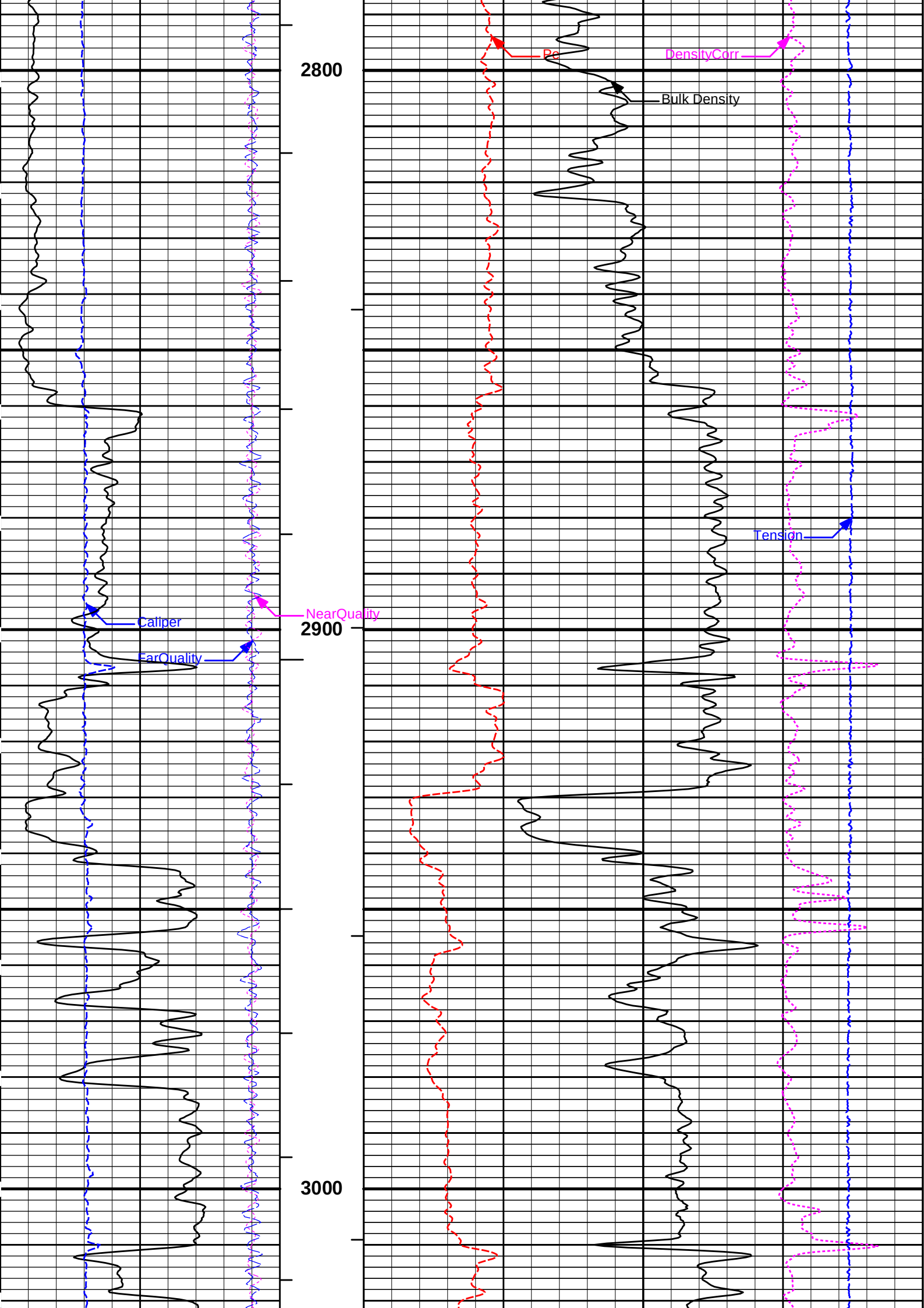
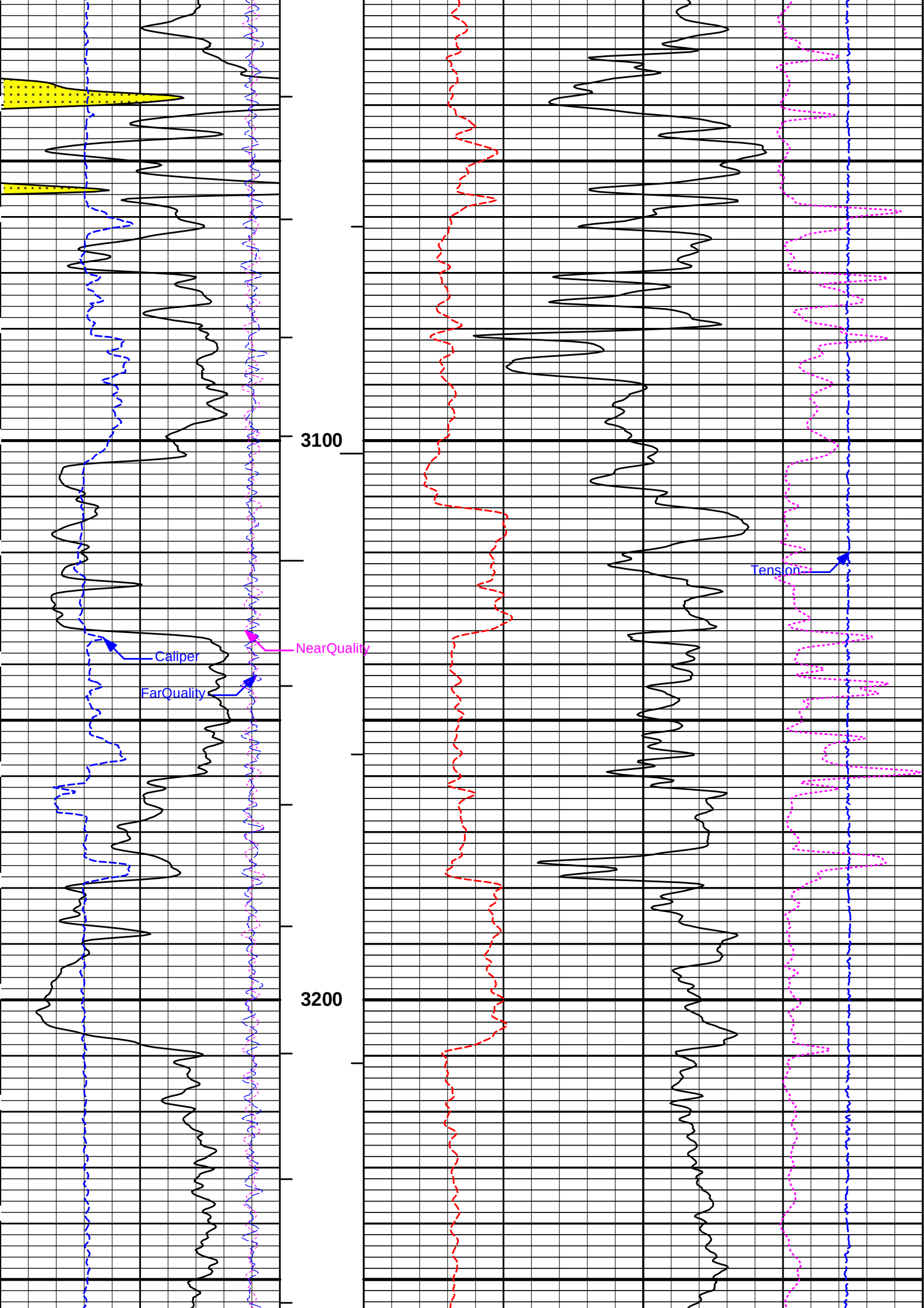
2000
Caliper
FarQuality
NearQuality
Tension

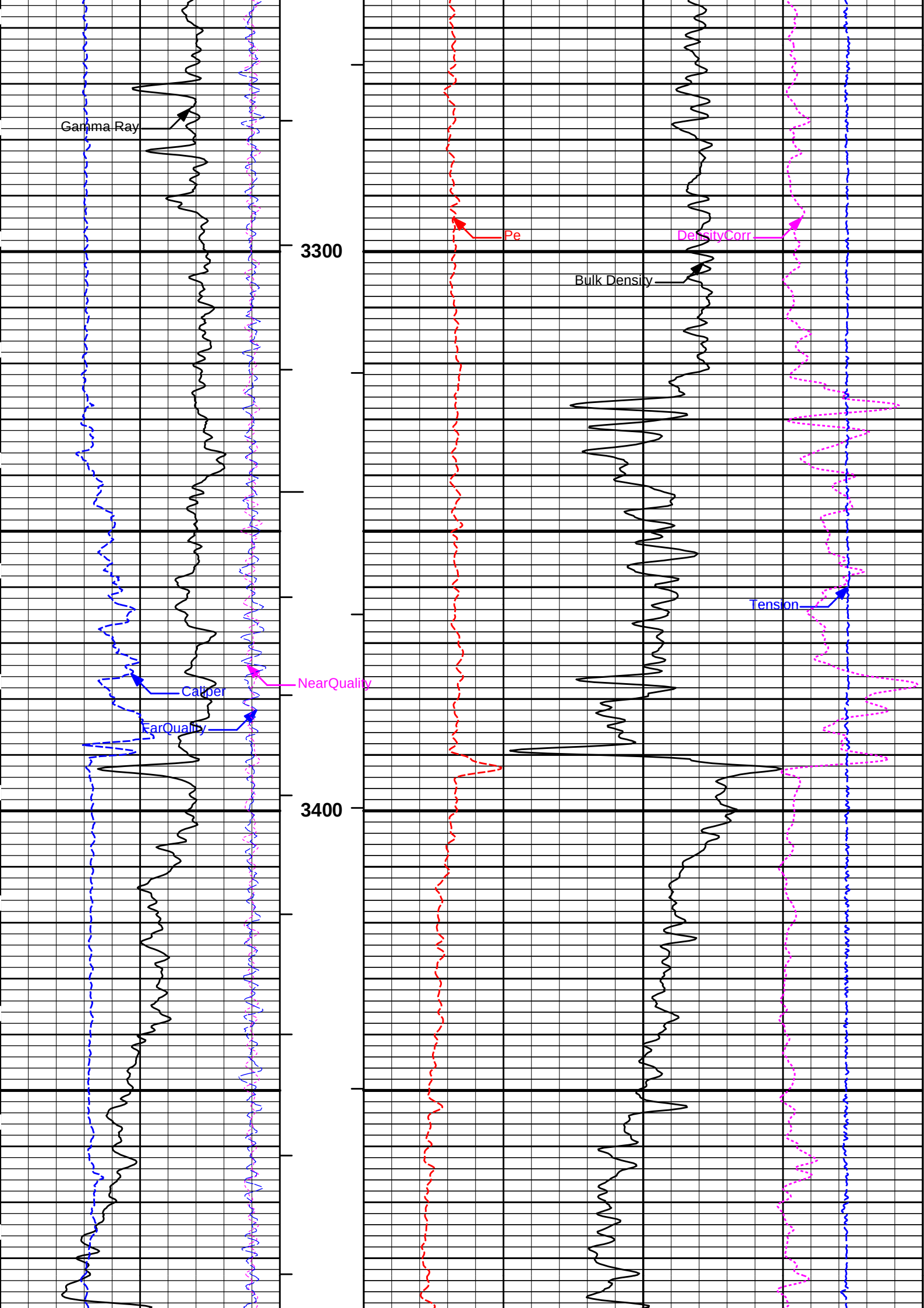

2100
2200
2300
Caliper
FarQuality
NearQuality
Gamma Ray
Tension
Pe
DensityCorr
Bulk Density

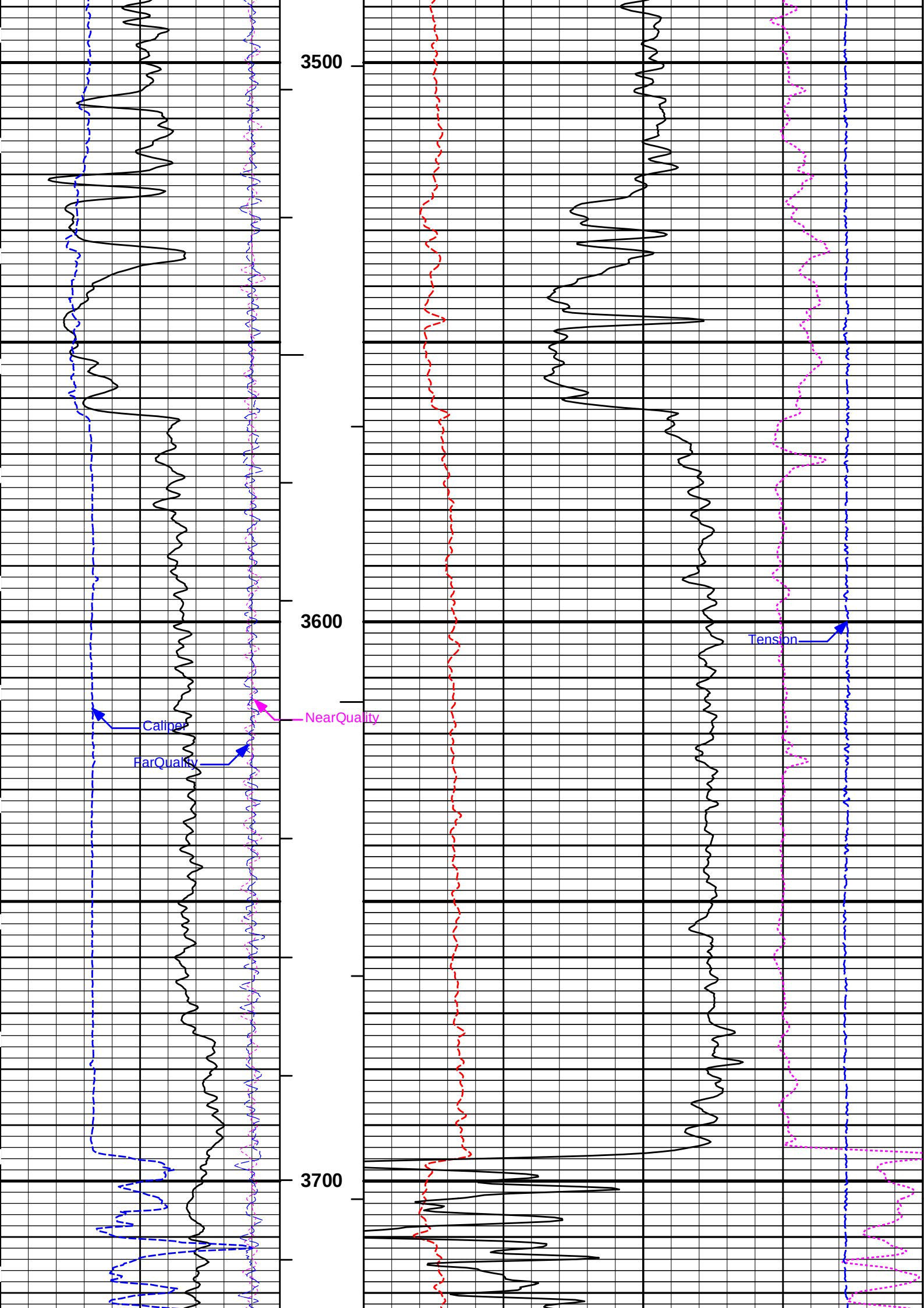

2400
2500
Caliper
FarQuality
NearQuality
Tension

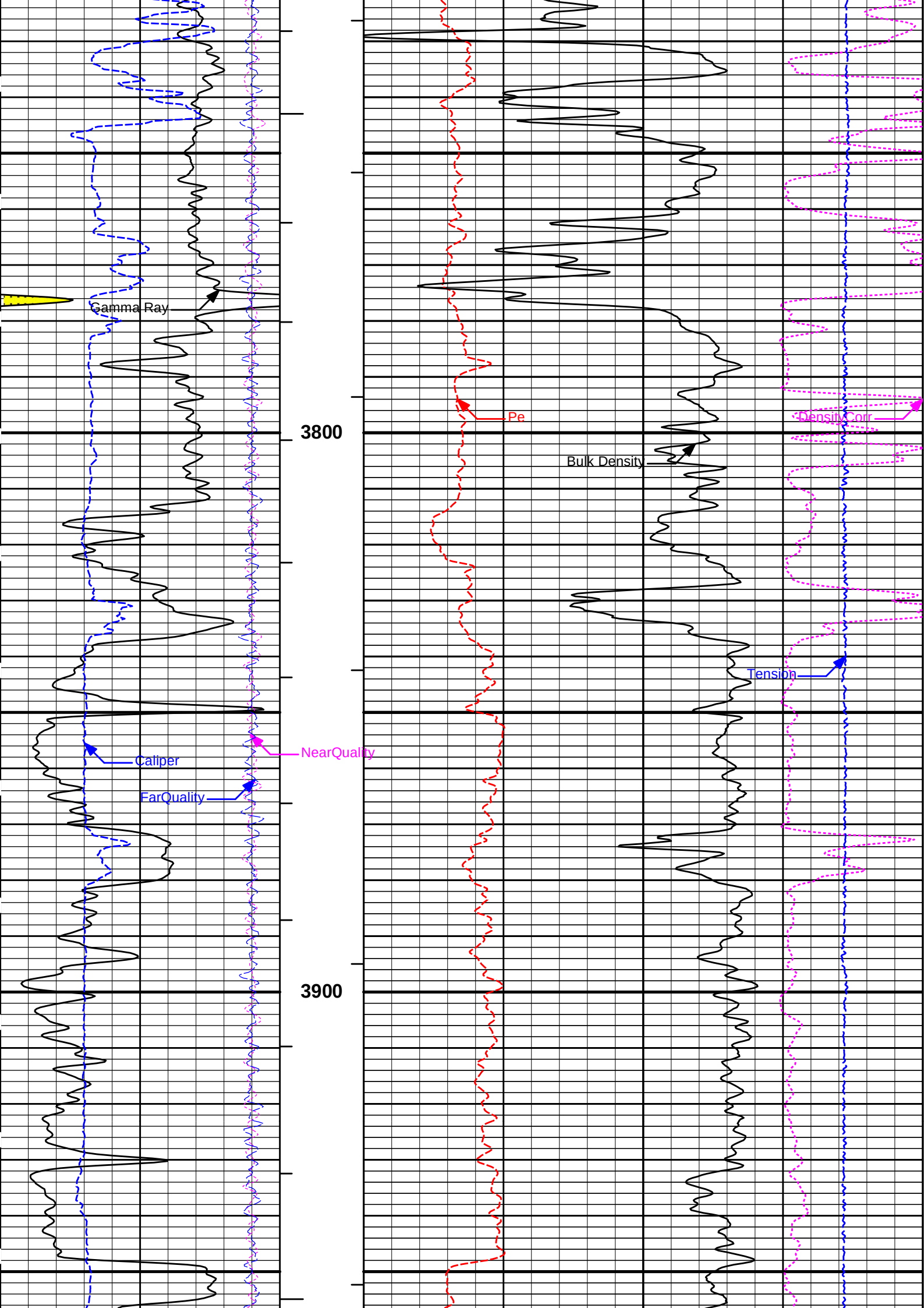

2600
2700
Caliper
FarQuality
NearQuality
Tension
Gamma Ray

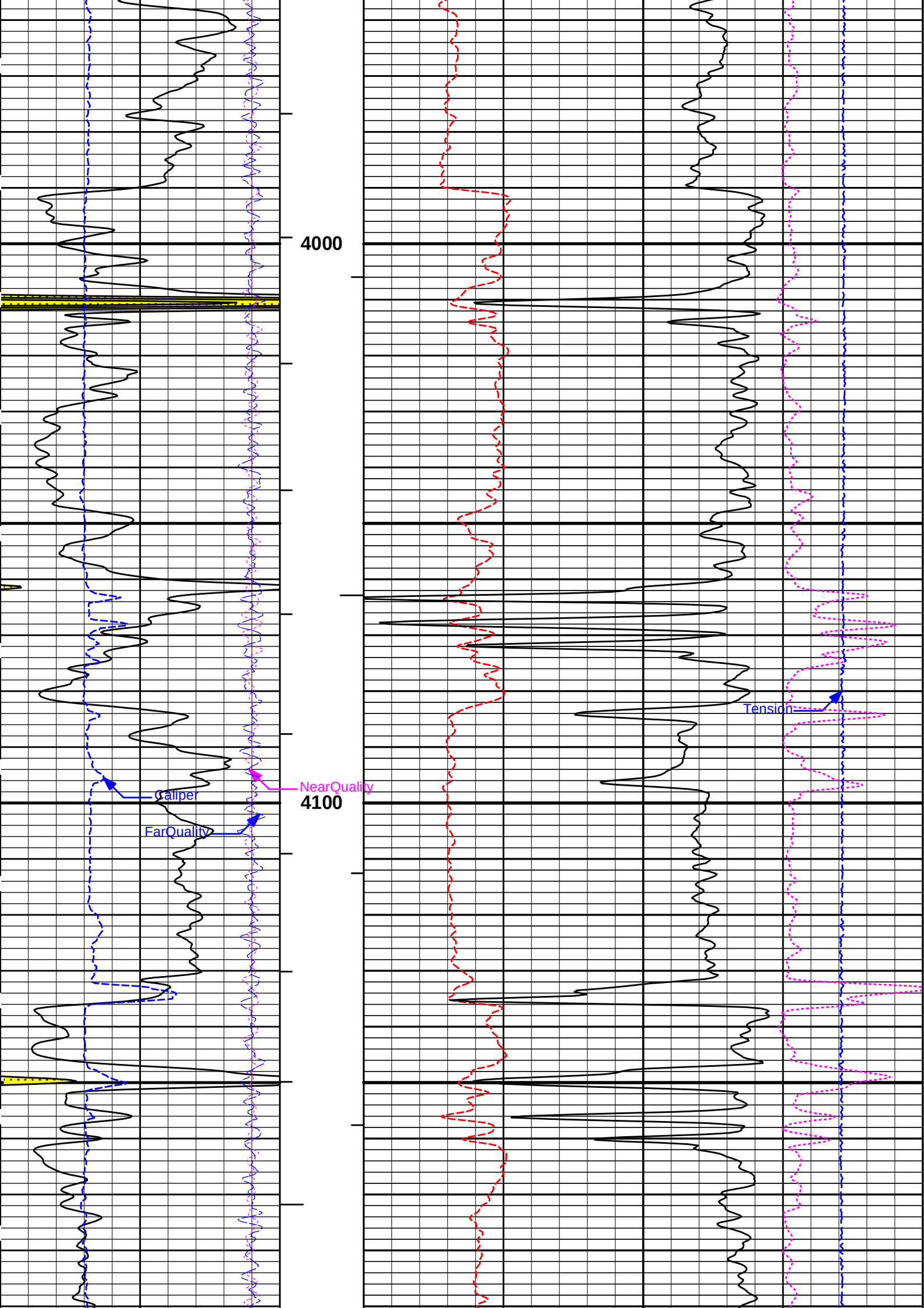

2800
2900
3000
Pe
DensityCorr
Bulk Density
Tension
Caliper
NearQuality
FarQuality

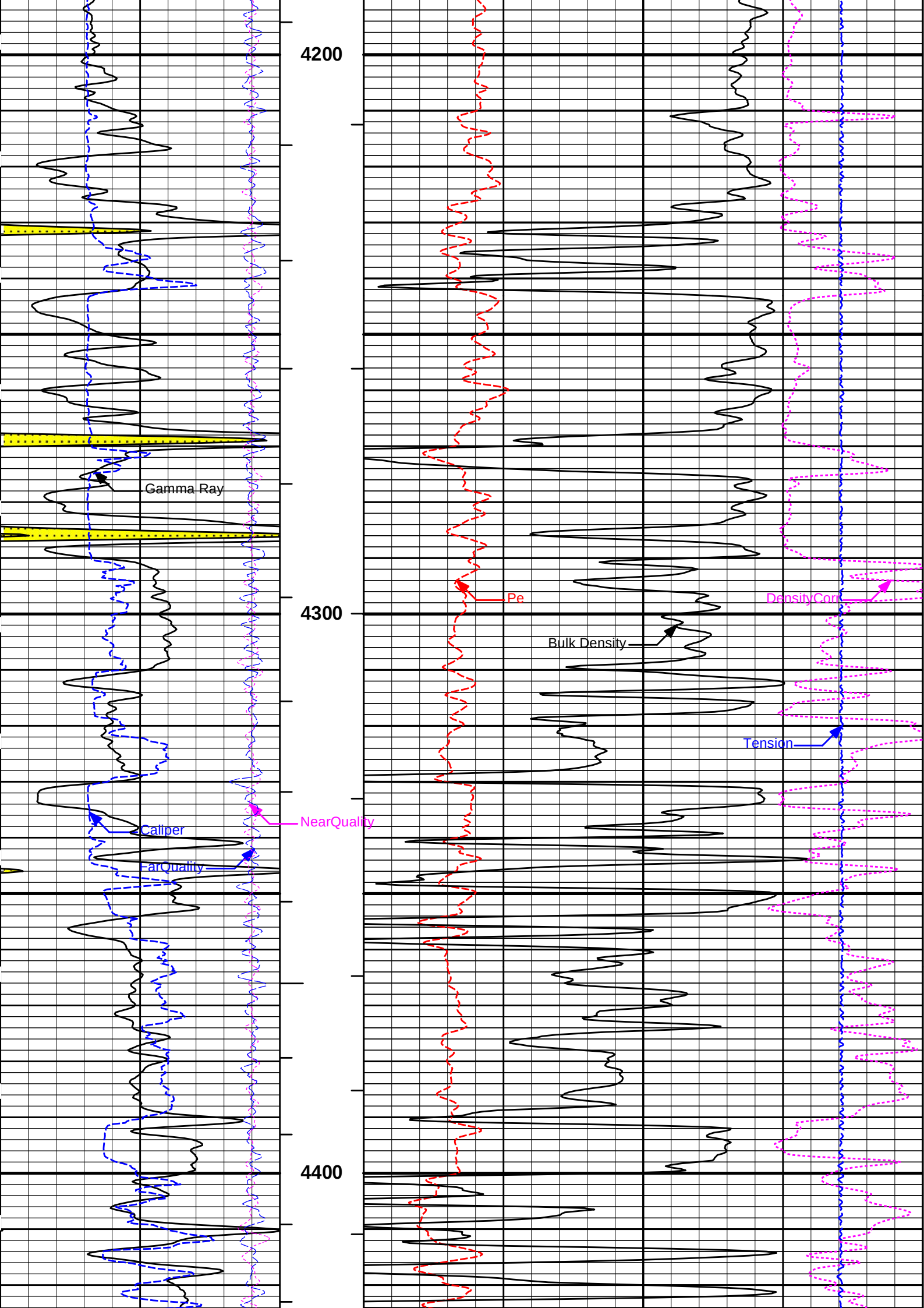

3100
3200
Caliper
NearQuality
FarQuality
Tension


Gamma Ray
3300
Pe
DensityCorr
Bulk Density
Tension
NearQuality
Caliper
FarQuality
3400


3500
3600
3700
Caliper
BarQuality
NearQuality
Tension


Gamma Ray
3800
Pe
Bulk Density
DensityCorr
Tension
Caliper
NearQuality
FarQuality
3900


4000
4100
Caliper
FarQuality
NearQuality
Tension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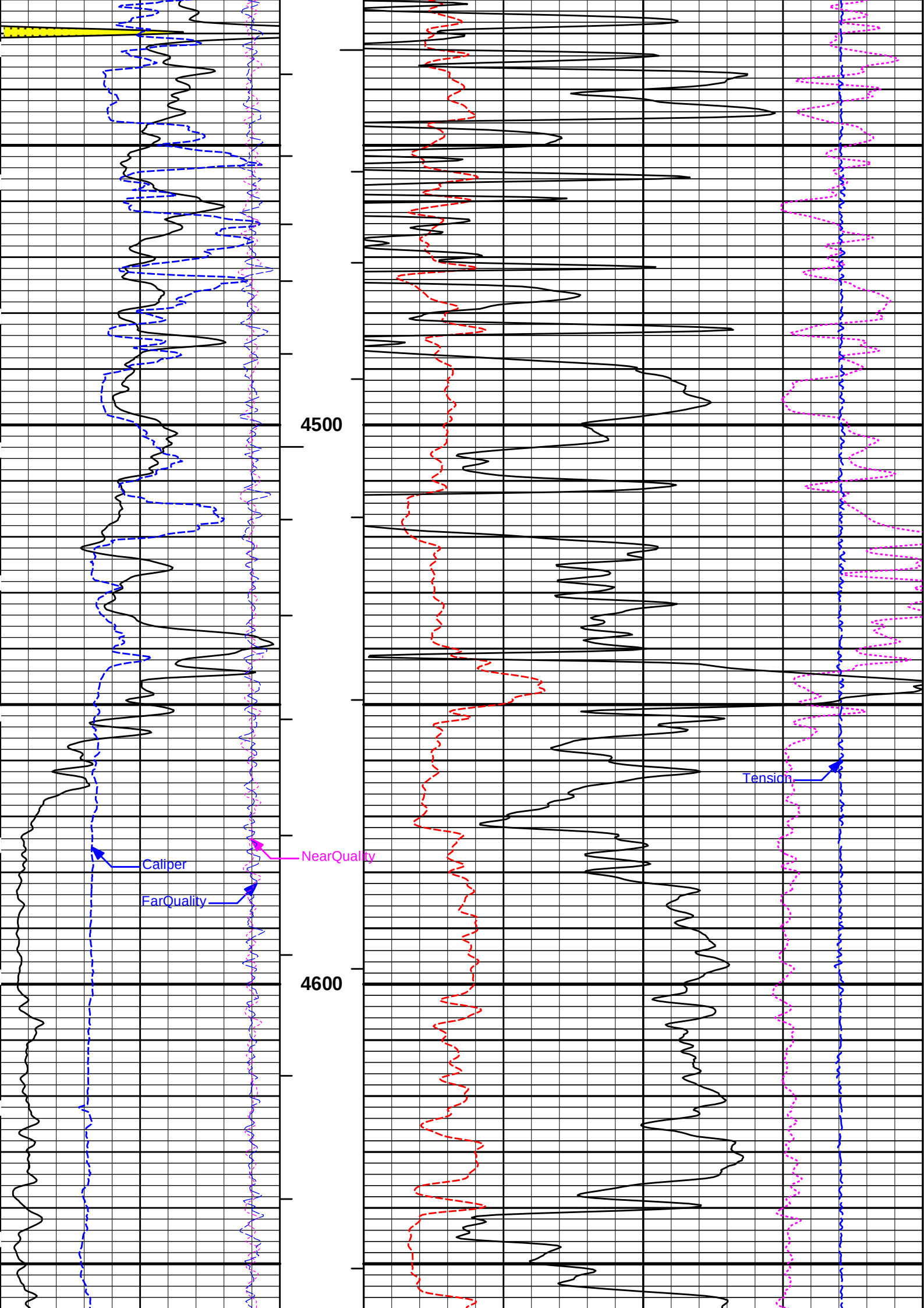
4300
4400
Gamma Ray
Caliper
FarQuality
NearQuality
Pe
Bulk Density
DensityCorr
Tension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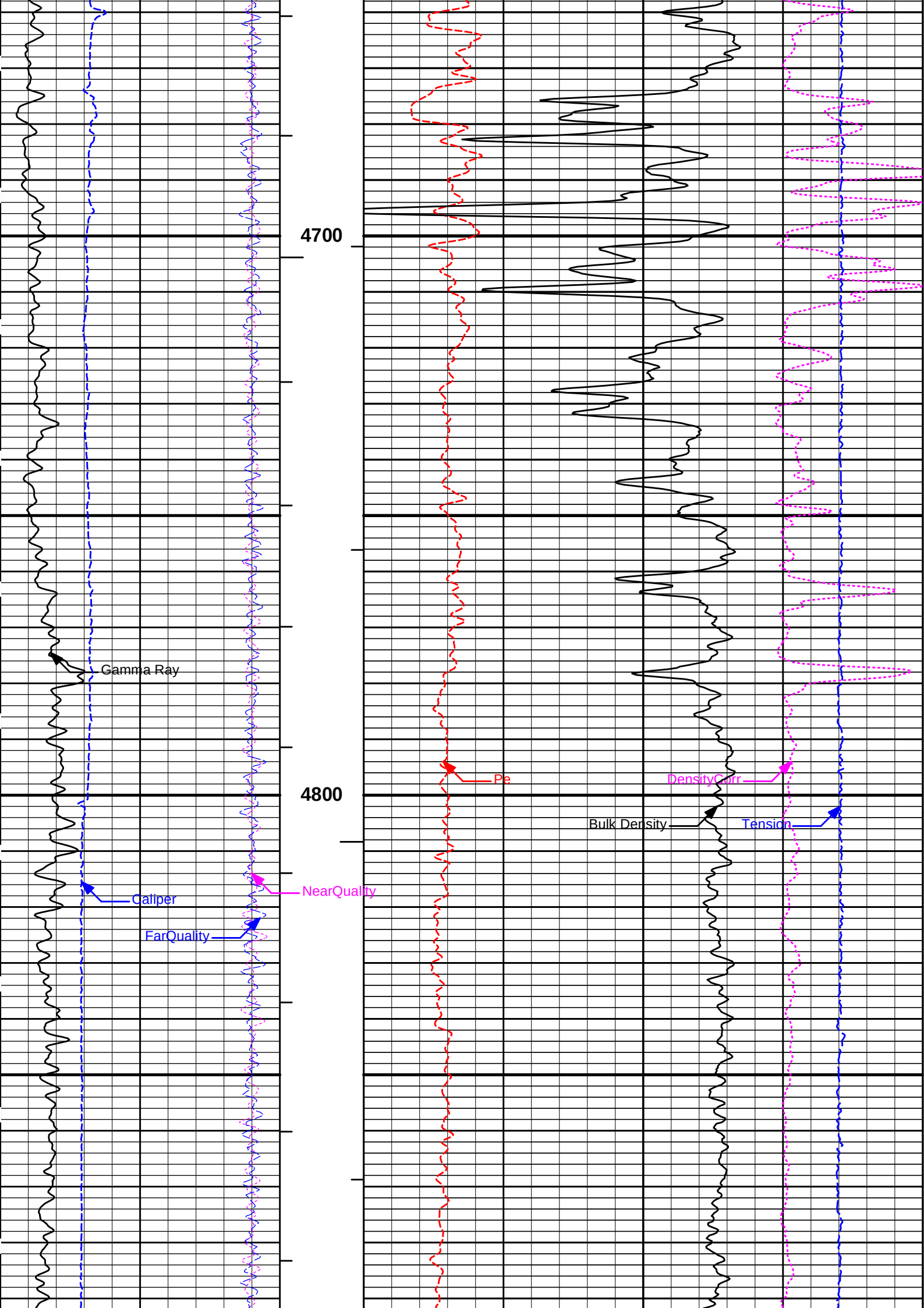
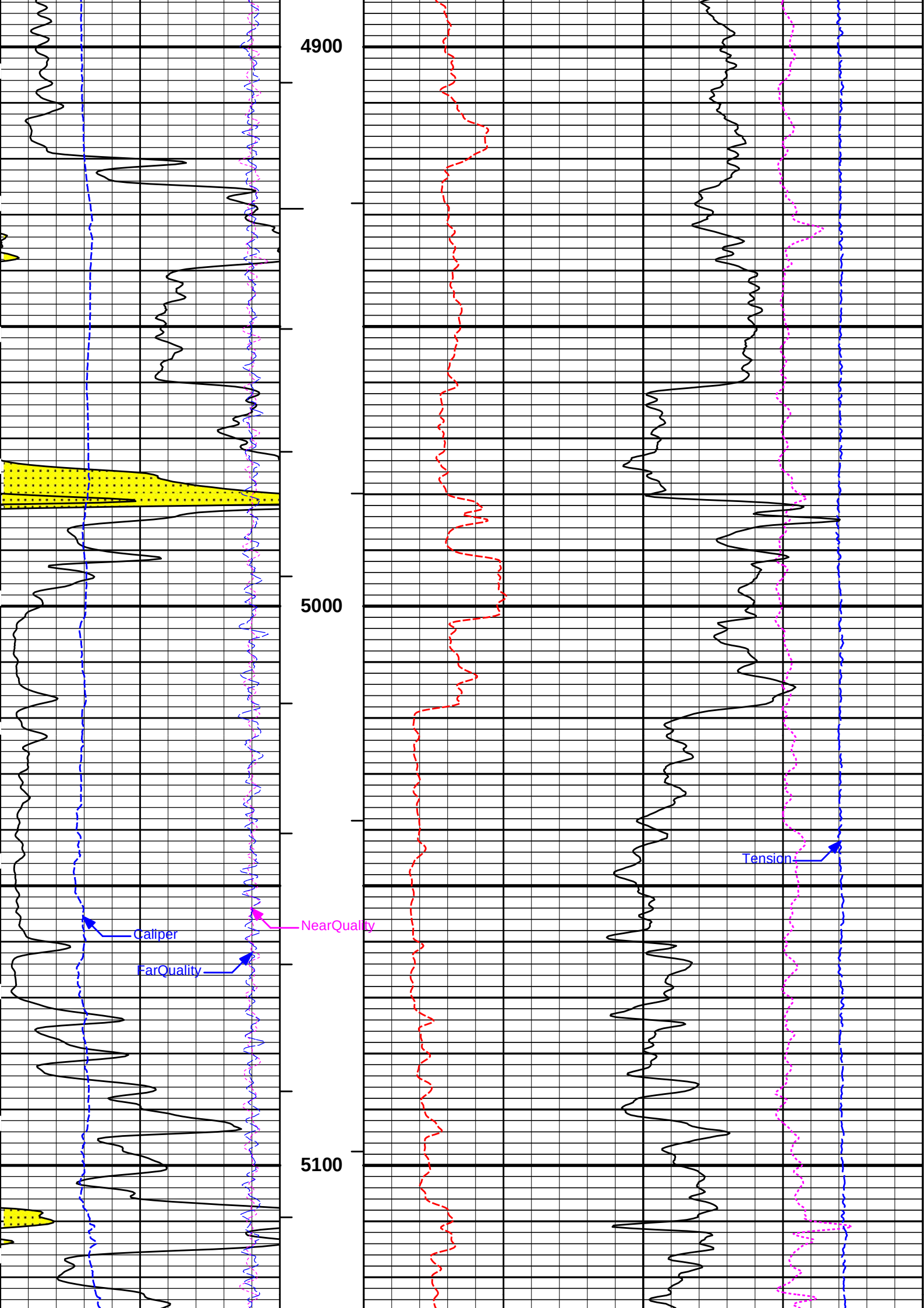
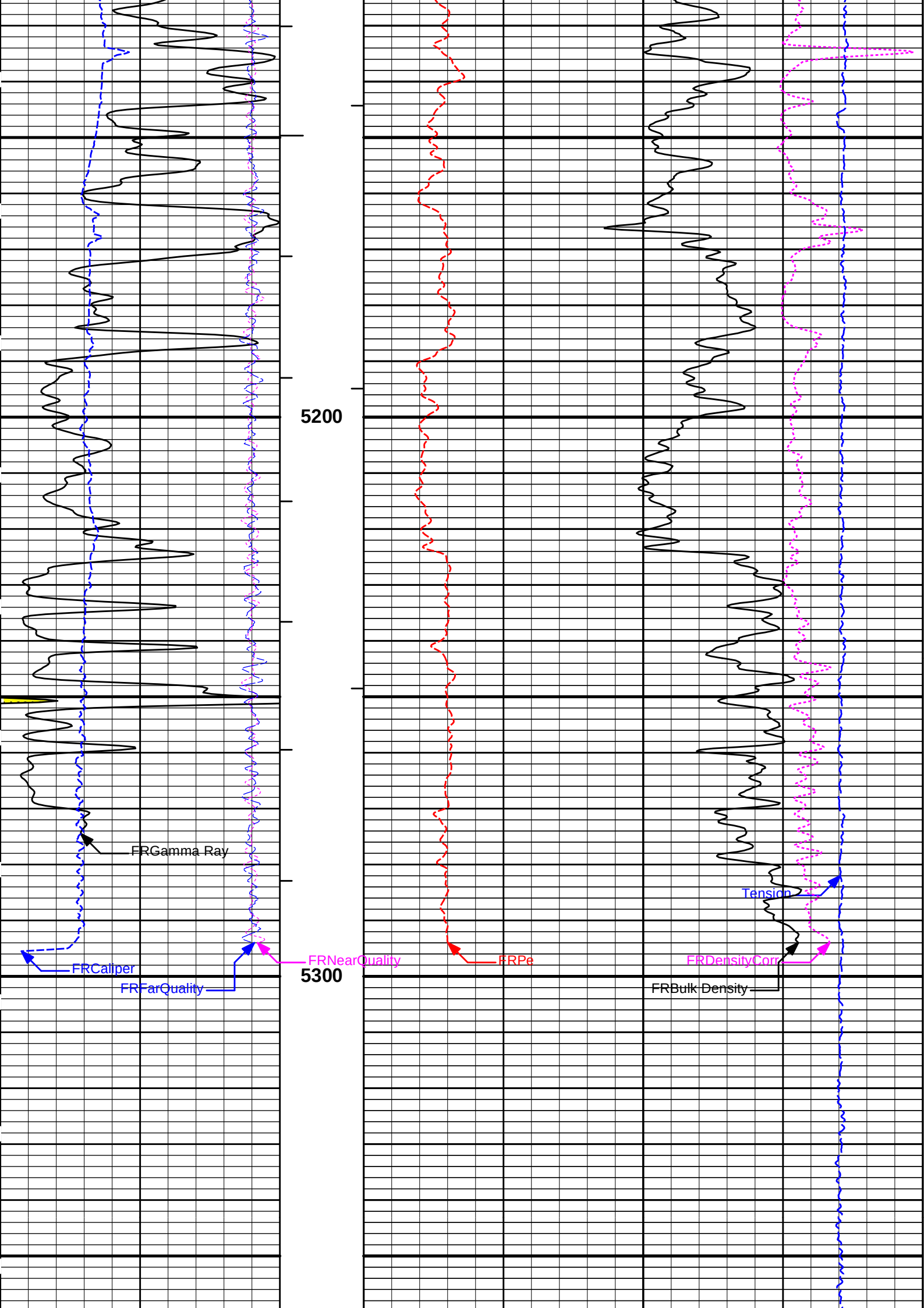
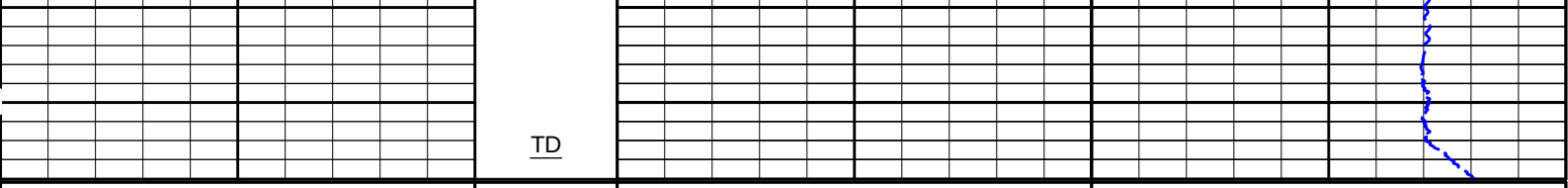
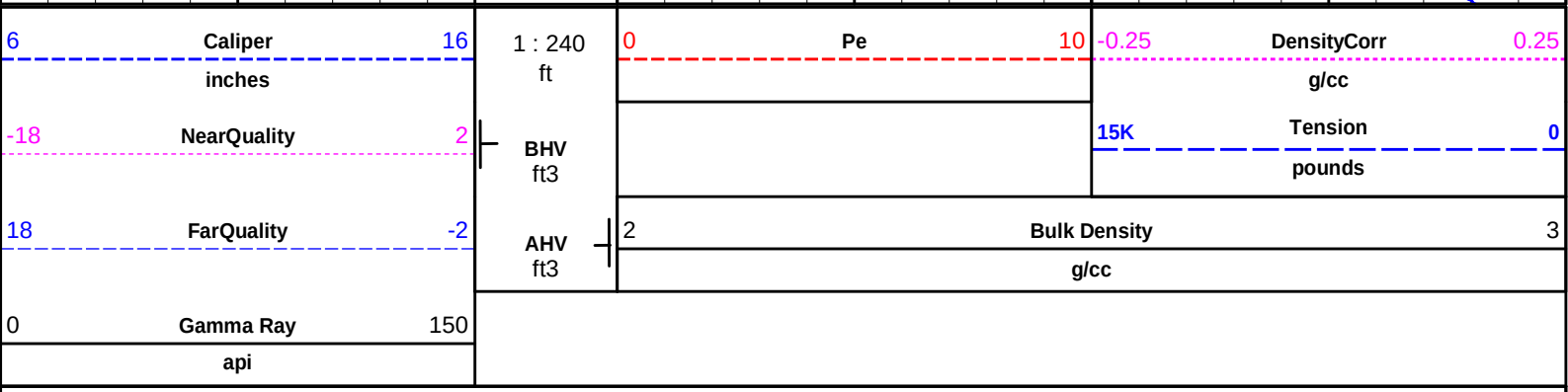
4600
Caliper
FarQuality
NearQuality
Tension


4700
4800
Gamma Ray
Caliper
FarQuality
NearQuality
Pe
Bulk Density
DensityCorr
Tension


4900
5000
5100
Caliper
FarQuality
NearQuality
Tension


5200
5300
FRGamma Ray
FRCaliper
FRFarQuality
FRNearQuality
FRPe
Tension
FRDensityCorr
FRBulk Density





HALLIBURTON

Plot Time: 05-Oct-17 08:46:26
Plot Range: 312 ft to 5378.08 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-004
Plot File: \\-LOCAL-\DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\SDL-DSN\BULKD_5_MAIN_IQ

5 INCH MAIN LOG

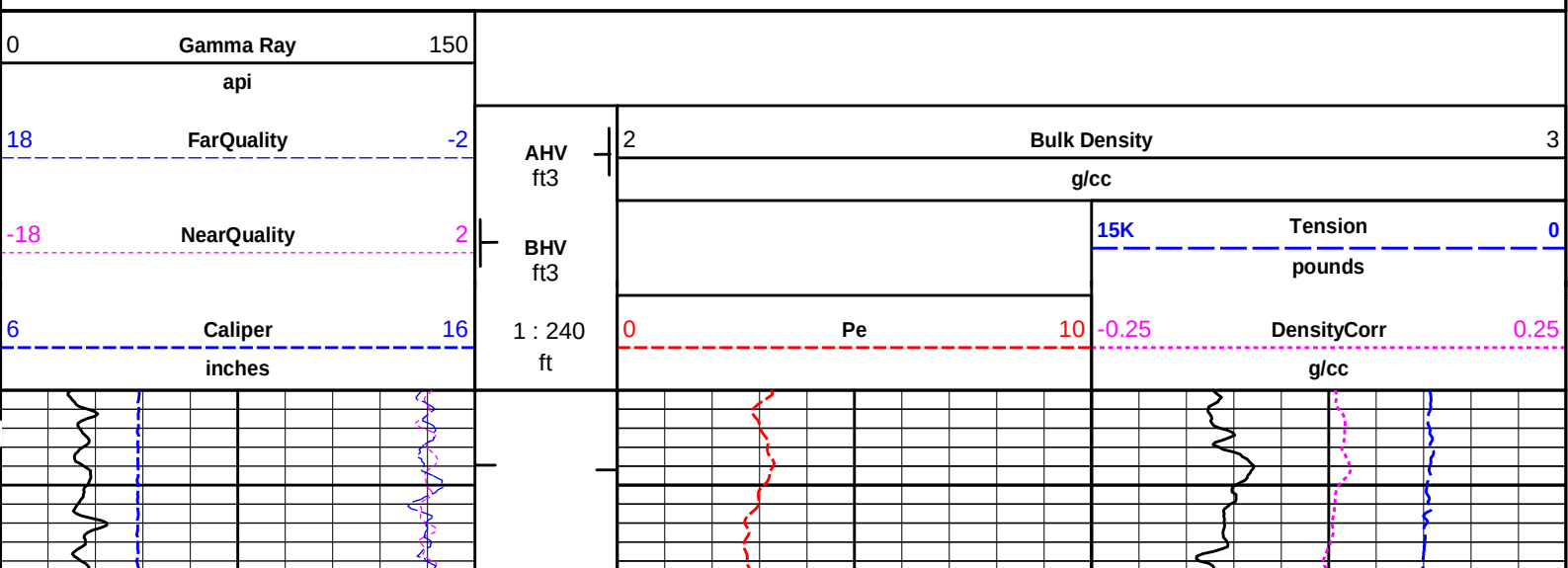
MAIN SECTION 5" PER 100'

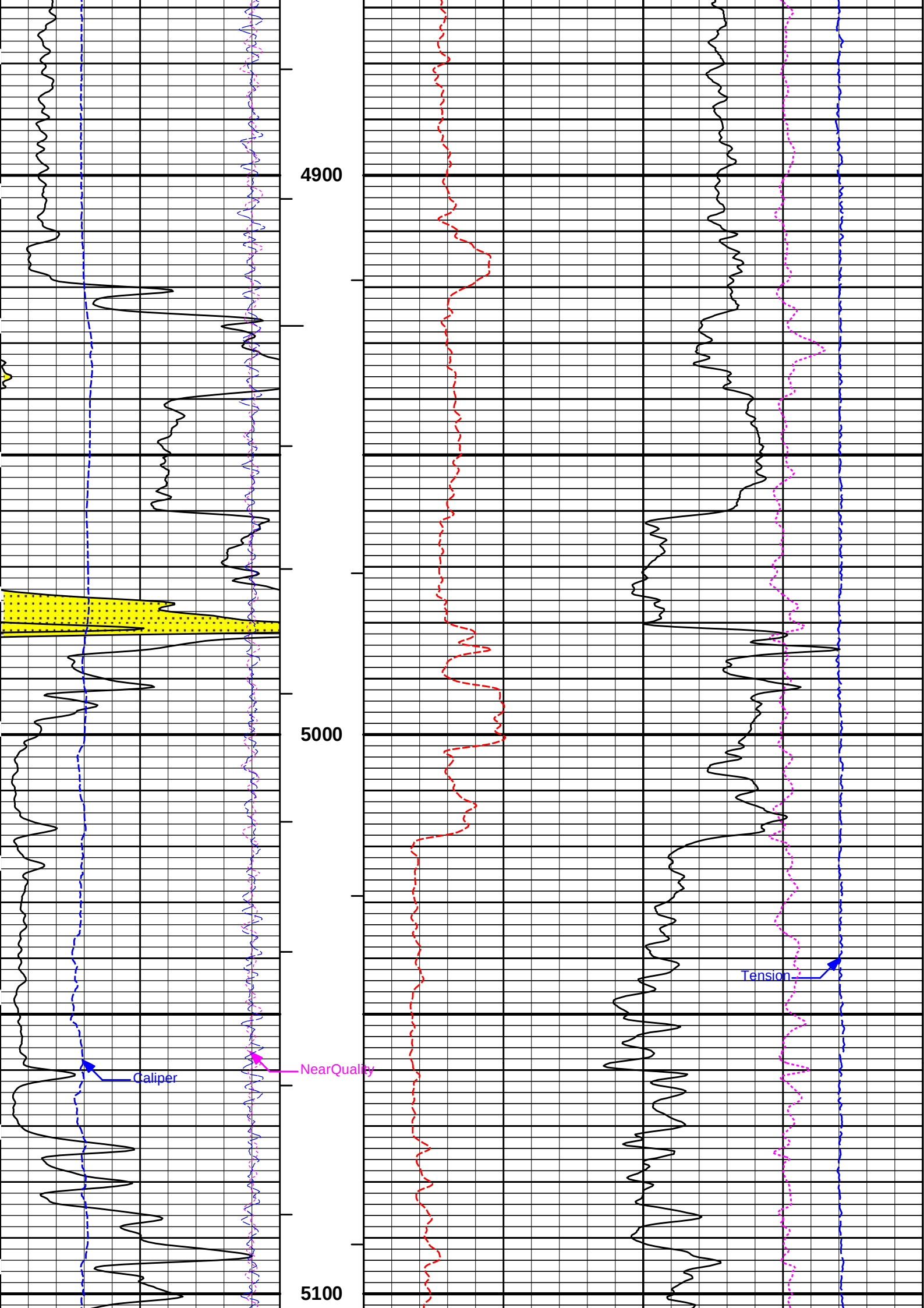
HALLIBURTON

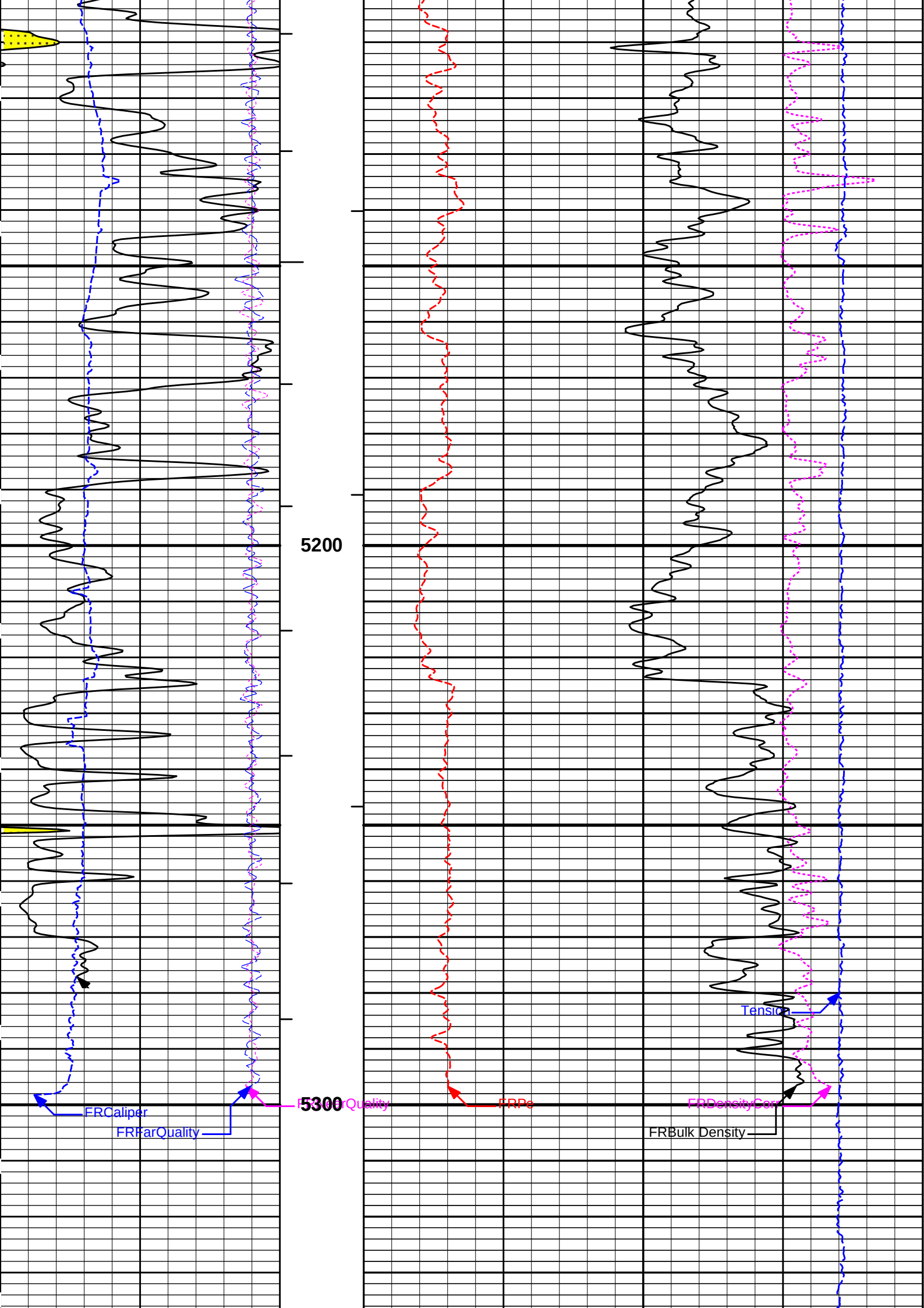
Plot Time: 05-Oct-17 08:46:26
Plot Range: 4850 ft to 5381 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-003
Plot File: \\-LOCAL-\DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\SDL-DSN\BULKD_5_MAIN_IQ

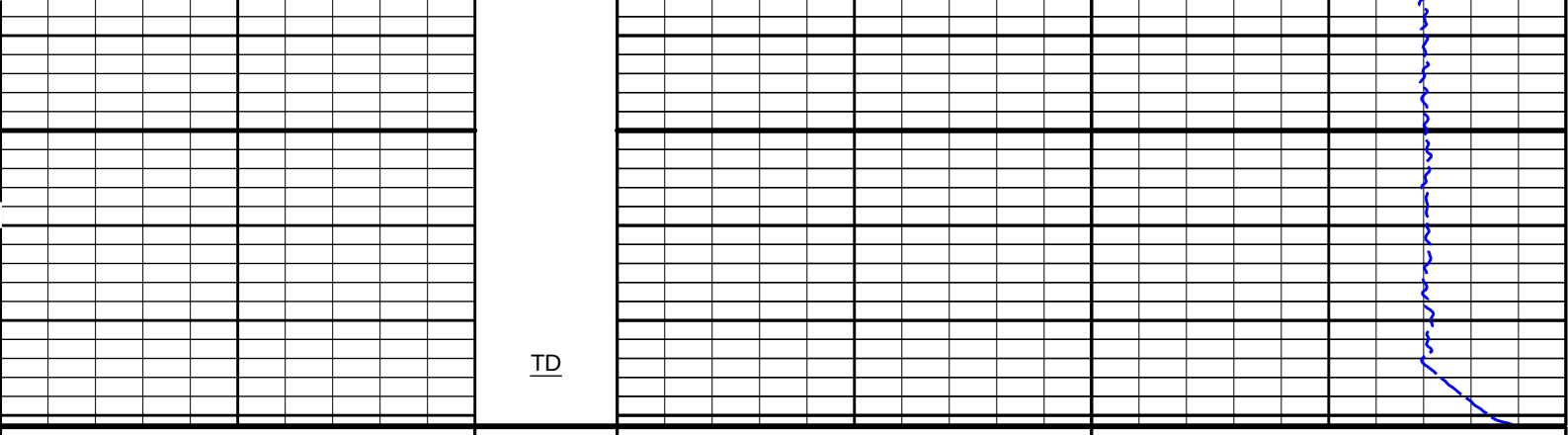
REPEAT SECTION

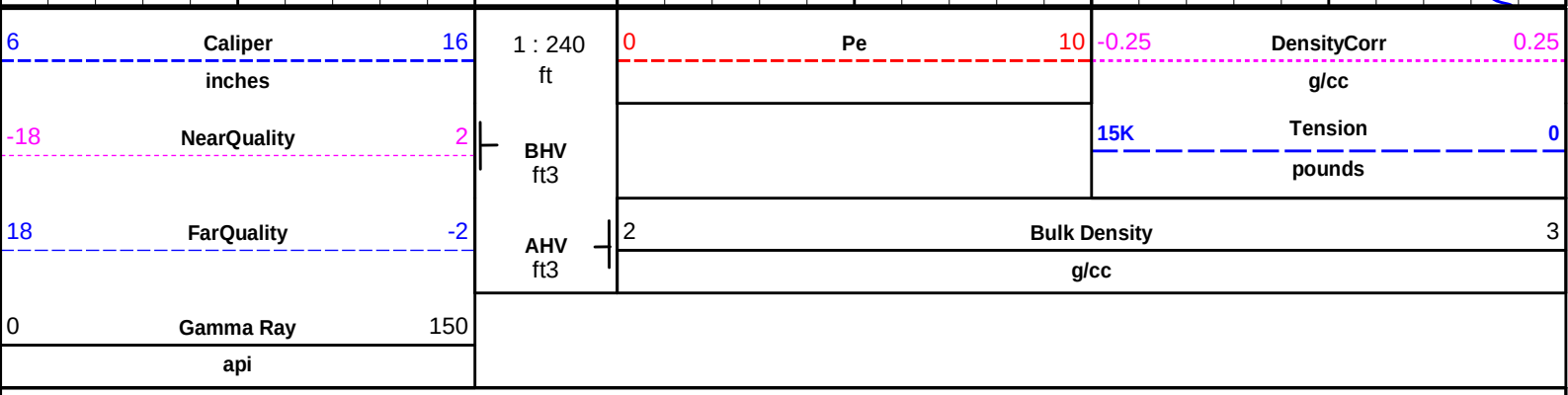
REPEAT SECTION




4900
5000
5100
Caliper
NearQuality
Tension


5200
5300
FRCaliper
FRFarQuality
FRPe
FRBulk Density
Tension





HALLIBURTON

Plot Time: 05-Oct-17 08:46:28
Plot Range: 4850 ft to 5381 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-003\
Plot File: \\-LOCAL-\DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\SDL-DSN\BULKD_5_MAIN_IQ

REPEAT SECTION

REPEAT SECTION

HALLIBURTON

CALIBRATION REPORT

SURFACE TENSION SHOP CALIBRATION

Tool Name:	**Depth Panel - PROT01**	**Reference Calibration Date:**	**07-Sep-17 10:42:25**
Engineer:	**MICHAEL RICHTER**	**Calibration Date:**	**01-Oct-17 13:42:57**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**

SURFACE TENSION LOAD CELL

Measurement	Load Cell Value	Measurement	Calibrated	Units
Low	10816.53	58.43	0.00	lbs
High	17331.66	7897.67	7830.00	lbs

DOWNHOLE TENSION SHOP CALIBRATION

Tool Name:	**CH_HOS - CH_HOS_I**	**Reference Calibration Date:**	**01-Oct-17 13:46:35**
Engineer:	**WHITLOCK**	**Calibration Date:**	**05-Oct-17 02:55:06**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**

DOWNHOLE LOAD CELL

Measurement	Tool Value	Measurement	Calibrated	Units
Low	-480.42	44.31	0.00	lbs

High	7781.74	2741.47	2250.00	lbs

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:	**GTET - 11021139**	**Reference Calibration Date:**	**03-Aug-17 01:40:19**
Engineer:	**WHITLOCK**	**Calibration Date:**	**23-Sep-17 12:22:06**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**

Calibrator Source S/N: TB79

Calibrator API Reference:222.00 api

Equivalent Calibrator API Reference:225.9 api

Measurement	Measured	Calibrated	Units
Background	18.8	18.6	api
Background + Calibrator	247.0	244.5	api
Calibrator	228.2	225.9	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:	**GTET - 11021139**	**Reference Calibration Date:**	**23-Sep-17 12:22:06**
Engineer:	**WHITLOCK**	**Calibration Date:**	**04-Oct-17 10:26:06**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**

Calibrator Source S/N: TB79

Calibrator API Reference:222.00 api

Equivalent Calibrator API Reference:225.9 api

Field Verification	Shop	Field	Units
Background	18.6	20.9	api
Background + Calibrator	244.5	245.7	api
Calibrator	225.9	224.8	api

Shop	Field	Difference	Tolerance
225.9	224.8	1.1	+/- 9.00

DUAL SPACED NEUTRON SHOP CALIBRATION

Tool Name:	**DSNT - 11020487**	**Reference Calibration Date:**	**05-Jun-17 14:14:28**
Engineer:	**MICHAEL RICHTER**	**Calibration Date:**	**03-Aug-17 01:56:12**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**

Logging Source S/N: DSN-436

Tank Serial Number: EL RENO

Reference value assigned to Tank: 56.100

Snow Block S/N: 12156883

Calibration Tank Water Temperature: 72 degF

Min. Tool Housing Outside Diameter: 3.625 in

CALIBRATION CONSTANTS

Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	0.99837	0.99685	0.900 - 1.100

WATER TANK SUMMARY (Horizontal Water Tank)

Measurement	Current Reading (Previous Coef.)	Calibrated (New Coef.)	Change	Control Limit On Change
Porosity (decp):	0.2363	0.2358	0.0005	+/- 0.0020
Calibrated Ratio:	10.5757	10.5596	0.016	+/- 0.050

VERIFIER

Measurement	Value	Control Limit
Snow-Block Porosity (decp):	0.0746	0.02000 - 0.09000

PASS/FAIL SUMMARY

PASS/FAIL SUMMARY	
Background Check:	Passed
Gain-Range Check:	Passed
Snow-Block Check:	Passed

DUAL SPACED NEUTRON FIELD CALIBRATION

Tool Name: DSNT - 11020487 **Reference Calibration Date:** 03-Aug-17 01:56:12

Engineer: WHITLOCK **Calibration Date:** 04-Oct-17 10:36:11

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

Logging Source S/N: DSN-436

Snow Block S/N: 12156883

NEUTRON FIELD-CHECK SUMMARY

	Shop	Field	Difference	Control Limit On Change
Snow-Block Porosity (decp):	0.0746	0.0691	-0.0054	+/- 0.0150

PASS/FAIL SUMMARY	
Block Change Check:	Passed
Snow Block Stat Check:	Passed
Temperature Check:	Passed

DENSITY CALIPER SHOP CALIBRATION

Tool Name: SDLT - 11014296 **Reference Calibration Date:** 06-Nov-16 12:09:13

Engineer: MICHAEL RICHTER **Calibration Date:** 15-Mar-17 09:33:53

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

Host Tool Name: DSNT - 11020487

CALIBRATION COEFFICIENTS

Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-4335.63	-4512.85	-7000.00 - -1000.00
Pad Gain	0.0003910	0.0004190	0.0002000 - 0.0006000
Arm Offset	-3121.03	-2559.45	-5000.00 - 3000.00
Arm Gain	0.0005117	0.0005078	0.000300 - 0.000700
Arm Power	-0.000003980	-0.000003959	-0.000010000 - 0.000010000

The ring diameter is computed from: DIAMETER = PAD EXTENSION + ARM EXTENSION + TOOL DIAMETER

Tool Diameter: 4.50 in

CALIBRATION RINGS

Measurement	Current Reading (Previous Coeff.)	Calibrated (New Coeff.)	Change	Control Limit On New Value
PAD EXTENSION:				
Small Ring (in)	1.94	2.00	0.06	+/- 0.20
Medium Ring (in)	3.57	3.75	0.18	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.31	6.50	0.19	+/- 0.20
Medium Ring (in)	8.08	8.25	0.17	+/- 0.20
Large Ring (in)	14.92	15.00	0.08	+/- 0.20

PASS/FAIL SUMMARY	
Calibration-Coefficients Range Check:	Passed
Ring-Measurement Check:	Passed

PASS/FAIL SUMMARY	
Calibration-Coefficients Range Check:	Passed

SDLT CALIPER FIELD CALIBRATION

Tool Name: SDLT - 11014296 **Reference Calibration Date:** 15-Mar-17 09:33:53

Engineer: WHITLOCK **Calibration Date:** 04-Oct-17 10:11:22

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

MEASURED CALIPER VALUES				
Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.84	0.09	+/- 0.10
Ring Diameter	8.25	8.31	0.06	+/- 0.15

PASS/FAIL SUMMARY	
Pad Extension Check:	Passed
Diameter Check:	Passed

ICT SHOP CALIBRATION

Tool Name: ICT Mandrel - 11019427 **Reference Calibration Date:** 13-Mar-17 09:40:53

Engineer: WHITLOCK **Calibration Date:** 18-Jul-17 15:19:04

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

CALIPERS AND RINGS			
Ring	Measured	Calibrated	Units
CALIPER 1:			
Small Ring	3.66	3.65	in
Medium Ring	7.95	8.00	in
Large Ring	14.93	15.00	in
X-Large Ring	20.97	21.00	in
CALIPER 2:			
Small Ring	3.61	3.65	in
Medium Ring	7.93	8.00	in
Large Ring	14.88	15.00	in
X-Large Ring	20.97	21.00	in
CALIPER 3:			
Small Ring	3.56	3.65	in
Medium Ring	7.98	8.00	in
Large Ring	14.88	15.00	in
X-Large Ring	20.99	21.00	in
CALIPER 4:			
Small Ring	3.61	3.65	in
Medium Ring	8.12	8.00	in
Large Ring	15.14	15.00	in
X-Large Ring	21.13	21.00	in
CALIPER 5:			
Small Ring	3.67	3.65	in
Medium Ring	8.17	8.00	in
Large Ring	15.15	15.00	in
X-Large Ring	21.07	21.00	in
CALIPER 6:			
Small Ring	3.71	3.65	in
Medium Ring	7.97	8.00	in
Large Ring	14.91	15.00	in
X-Large Ring	21.02	21.00	in

ICT FIELD CALIBRATION

Tool Name: ICT Mandrel - 11019427 **Reference Calibration Date:** 18-Jul-17 15:19:04

Engineer: WHITLOCK **Calibration Date:** 18-Jul-17 15:21:59

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

CALIPERS			
Caliper	Shop	Field	Units
Caliper 1	8.00	7.99	in
Caliper 2	8.00	8.01	in
Caliper 3	8.00	8.04	in

Caliper 4	8.00	7.94	in
Caliper 5	8.00	7.89	in
Caliper 6	8.00	7.94	in

ACCELEROMETER AND MAGNETOMETER SHOP CALIBRATION

Tool Name:	**IDT - 10967514**	**Reference Calibration Date:**	**10-Nov-14 11:33:34**
Engineer:	**COTHREN**	**Calibration Date:**	**14-Dec-16 12:26:23**
Software Version:	**WL INSITE R4.6.4 (Build 3)**	**Calibration Version:**	**1**

Reference Gravity Field: 1.0000 g

Reference Magnetic Field: 51335.0000 nT

* QF : value of 0 is shown for bad quality if | data - reference | > (2 * standard deviation) and > (0.5% of reference value)

ACCELEROMETER CALIBRATION RAW DATA VALUE

Raw Acc X	Raw Acc Y	Raw Acc Z	Quality(Gravity)	Quality Error(%)	QF
0.1268	-0.7113	-0.0141	0.9994	99.9424	1
-0.7403	-0.0252	-0.0129	0.9992	99.9235	1
-0.0432	0.7420	-0.0113	1.0003	99.9746	1
0.7158	0.0658	-0.0112	0.9999	99.9905	1
-0.0175	0.7407	-0.0100	0.9977	99.7671	1
-0.2114	0.6948	0.0680	1.0009	99.9141	1
0.0781	0.7377	-0.0090	1.0012	99.8774	1
0.7151	0.0759	-0.0091	1.0001	99.9870	1
0.0491	-0.7229	-0.0102	1.0006	99.9353	1
-0.7344	0.1122	-0.0101	1.0002	99.9807	1
-0.1668	0.0184	0.3437	0.9999	99.9925	1
-0.7176	0.0946	-0.1010	1.0005	99.9493	1

ACCELEROMETER QUALITY SUMMARY

Average Calculated Gravity Field	1.0000	g
Standard Deviation Calculated Gravity Field	0.0009	g

ACCELEROMETER GAIN AND OFFSET

	GAIN	OFFSET
ACC X	1.3699508905	0.0160978194
ACC Y	1.3627022505	-0.0118573820
ACC Z	2.7102901936	0.0454349816

* QF : value of 0 is shown for bad quality if | data - reference | > (3 * standard deviation) and > (1% of reference value)

MAGNETOMETER CALIBRATION RAW DATA VALUE

Raw Mag X	Raw Mag Y	Raw Mag Z	Quality(Magnetic)	Quality Error(%)	QF
0.3189	1.2136	-0.0366	51305.3477	99.9422	1
1.1457	-0.4995	-0.0357	51326.3047	99.9831	1
-0.4790	-1.1617	-0.0382	51247.0586	99.8287	1
-1.1473	0.4544	-0.0380	51335.7422	99.9986	1
-0.0417	-1.1452	0.5204	51472.4219	99.7323	1
0.3664	-1.1738	-0.2978	51207.5703	99.7518	1
-0.0956	-1.1427	-0.5514	51429.5430	99.8158	1
-1.1056	-0.1453	-0.5516	51324.2305	99.9790	1
-0.1284	1.1286	-0.5495	51366.8320	99.9380	1
1.1259	-0.1261	-0.5477	51451.1289	99.7738	1
0.6240	-0.3637	1.0059	51288.5703	99.9096	1
0.9562	-0.0795	-0.8158	51261.5703	99.8570	1

MAGNETOMETER QUALITY SUMMARY

Average Calculated Magnetic Field	51334.6953	nT
Standard Deviation Calculated Magnetic Field	82.5240	nT

MAGNETOMETER GAIN AND OFFSET		
	GAIN	OFFSET
MAG X	41430.1796875000	-265.9770507813
MAG Y	40740.3945312500	197.8235168457
MAG Z	41000.8906250000	735.6057739258

Noise Level Value: 0.000803 cnts

Noise Level Cal Value: 0.0022 g

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name: ACRt Sonde - 11038385
Engineer: JORGE ORLANDO PEREZ
Software Version: WL INSITE R5.0.5 (Build 8)
Host Tool Name: ACRt Instrument - 11055059
Reference Calibration Date: 12-Sep-17 13:48:00
Calibration Date: 12-Sep-17 13:58:19
Calibration Version: 1

TYPICAL GAIN RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.0395	1.05	0.95	1.0229	1.05	0.95	1.0146	1.05
A2 (50")	0.95	1.0409	1.05	0.95	1.0225	1.05	0.95	1.0165	1.05
A3 (29")	0.95	1.0384	1.05	0.95	1.0194	1.05	0.95	1.0115	1.05
A4 (17")	0.95	1.0343	1.05	0.95	1.0133	1.05	0.95	1.0069	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.0083	1.05	0.95	0.9989	1.05
A6 (6")	N/A	N/A	N/A	0.95	1.0000	1.05	0.95	0.9929	1.05

SONDE OFFSET

Subarray	R12KHz	R36KHz	R72KHz
	(mmho/m)	(mmho/m)	(mmho/m)
A1 (80")	0.702	-4.637	-5.501
A2 (50")	-0.771	-4.034	-5.172
A3 (29")	-13.230	-3.699	-3.350
A4 (17")	-110.240	-33.969	-26.356
A5 (10")	N/A	-83.665	-41.621
A6 (6")	N/A	333.771	173.557

TRANSMITTER CURRENT GAIN

Signal	Lower	R	Upper
12K	0.6	0.90	1.3
36K	1.0	1.36	2.0
72K	1.0	1.62	2.0

R-MUD VERIFICATION

Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
Mud Cell	0.95	1.00	1.05

PASS/FAIL SUMMARY

GAIN RANGE CHK	PASS
SONDE OFFSET CHK	PASS

TOOL OK TO LOG

QUALITY CHECK SHOP CALIBRATION

Tool Name: ACRt Sonde - 11038385
Engineer: JORGE ORLANDO PEREZ
Software Version: WL INSITE R5.0.5 (Build 8)
Host Tool Name: ACRt Instrument - 11055059
Reference Calibration Date: 12-Sep-17 13:59:44
Calibration Date: 12-Sep-17 14:00:57
Calibration Version: 1

STANDARD DEVIATIONS

	R12KHz			R36KHz			R72KHz		
	Measured	Expected	Pass/Fail	Measured	Expected	Pass/Fail	Measured	Expected	Pass/Fail

	(mmho/m)	(mmho/m)	Pass/Fail	(mmho/m)	(mmho/m)	Pass/Fail	(mmho/m)	(mmho/m)	Pass/Fail
A1 (80")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A2 (50")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A3 (29")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A4 (17")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A5 (10")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A6 (6")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass

AVERAGES

	R12KHz			R36KHz			R72KHz		
	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail
A1 (80")	0.000	< 0.500	Pass	-0.001	> -0.500	Pass	-0.006	> -0.500	Pass
A2 (50")	0.000	< 0.500	Pass	-0.001	> -0.500	Pass	-0.005	> -0.500	Pass
A3 (29")	-0.000	< 0.500	Pass	-0.001	> -0.500	Pass	-0.003	> -0.500	Pass
A4 (17")	-0.003	> -0.500	Pass	-0.008	> -0.500	Pass	-0.027	> -0.500	Pass
A5 (10")	-0.012	> -0.500	Pass	-0.020	> -0.500	Pass	-0.043	> -0.500	Pass
A6 (6")	0.015	< 0.500	Pass	0.074	< 0.500	Pass	0.160	< 0.500	Pass

GAIN TOLERANCE

R12KHz

	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail
A1 (80")	-223155904.000	-223150640.000	5264.000	11157532.000	Pass
A2 (50")	-220713888.000	-220710416.000	3472.000	11035520.800	Pass
A3 (29")	-216614880.000	-216612000.000	2880.000	10830600.000	Pass
A4 (17")	-214578320.000	-214578224.000	96.000	10728911.200	Pass
A5 (10")	-214986432.000	-214982096.000	4336.000	10749104.800	Pass
A6 (6")	-214394544.000	-214391936.000	2608.000	10719596.800	Pass

R36KHz

	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail
A1 (80")	60628184.000	60610992.000	17192.000	3030549.600	Pass
A2 (50")	62049960.000	62033248.000	16712.000	3101662.400	Pass
A3 (29")	53214172.000	53197224.000	16948.000	2659861.200	Pass
A4 (17")	50561756.000	50544860.000	16896.000	2527243.000	Pass
A5 (10")	52600244.000	52584856.000	15388.000	2629242.800	Pass
A6 (6")	50656572.000	50641704.000	14868.000	2532085.200	Pass

R72KHz

	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail
A1 (80")	-92698504.000	-92694664.000	3840.000	4634733.200	Pass
A2 (50")	-89662344.000	-89657152.000	5192.000	4482857.600	Pass
A3 (29")	-89109216.000	-89105528.000	3688.000	4455276.400	Pass
A4 (17")	-84842648.000	-84836840.000	5808.000	4241842.000	Pass
A5 (10")	-83337800.000	-83332480.000	5320.000	4166624.000	Pass
A6 (6")	-84561904.000	-84554136.000	7768.000	4227706.800	Pass

PASS/FAIL SUMMARY

Std Deviation Verification	Pass
Average Verification	Pass
Gain Tolerance Verification	Pass

MICRO LOG SHOP CALIBRATION

Tool Name: Microlog Pad - 11014296 **Reference Calibration Date:** 06-Jun-17 12:12:34

Engineer: MICHAEL RICHTER **Calibration Date:** 03-Aug-17 02:26:45

Engineer: MICHAEL RICHTER **Calibration Date:** 03-Aug-17 02:26:45

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

Host Tool Name: DSNT - 11020487

CALIBRATION COEFFICIENT SUMMARY

Measurement	Micro Log Normal		Micro Log Lateral		
	Measured	Calibrated	Measured	Calibrated	Units
Tool Zero	-0.21	-0.43	-0.01	0.00	ohmm
Calibration Point #1	0.23	0.00	-0.01	0.00	ohmm
Calibration Point #2	20.26	20.00	20.00	20.00	ohmm
Internal Reference	19.85	19.59	20.01	20.01	ohmm

Measurement	Micro Log Normal Tool Value	Micro Log Lateral Tool Value	Units
Tool Zero	-0.14	-1.30	V
Calibration Point #1	115.47	-2.05	V
Calibration Point #2	5448.88	6908.76	V
Internal Reference	5338.32	6913.91	V

MICRO LOG FIELD CHECK

Tool Name: Microlog Pad - 11014296 **Reference Calibration Date:** 03-Aug-17 02:26:45

Engineer: WHITLOCK **Calibration Date:** 04-Oct-17 10:56:14

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

Measurement	Micro Log Normal		Micro Log Lateral		
	Shop	Field	Shop	Field	Units
Tool Zero	-0.43	-0.44	0.00	0.01	ohmm
Internal Reference	19.59	19.46	20.01	19.88	ohmm

Summary				
Signal	Shop	Field	Difference	Tolerence
Microlog Normal	19.59	19.46	0.13	+/- 0.80
Microlog Lateral	20.01	19.88	0.13	+/- 0.80

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name: SDLT Pad - 10809130 **Reference Calibration Date:** 25-May-17 12:11:12

Engineer: MICHAEL RICHTER **Calibration Date:** 03-Aug-17 02:19:19

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

Logging Source S/N: 5155GW

Aluminum Block S/N: EL RENO Density: 2.581g/cc Pe: 3.170

Magnesium Block S/N: EL RENO MG Density: 1.687g/cc Pe: 2.594

DENSITY CALIBRATION SUMMARY

Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	1.0466	0.9648	0.90 - 1.10
Near Dens Gain	1.0202	0.9664	0.90 - 1.10
Near Peak Gain	1.0587	0.9808	0.90 - 1.10
Near Lith Gain	1.0474	0.9899	0.90 - 1.10
Far Bar Gain	1.0144	1.0063	0.90 - 1.10
Far Dens Gain	1.0018	0.9910	0.90 - 1.10
Far Peak Gain	0.9968	0.9885	0.90 - 1.10
Far Lith Gain	0.9703	0.9595	0.90 - 1.10
Near Bar Offset	-0.1512	0.5881	NONE
Near Dens Offset	0.0840	0.5517	NONE
Near Peak Offset	-0.2272	0.4091	NONE
Near Lith Offset	-0.1986	0.2702	NONE
Far Bar Offset	0.0686	0.1331	NONE

Far Dens Offset	0.1508	0.2380	NONE
Far Peak Offset	0.1449	0.2044	NONE
Far Lith Offset	0.2786	0.3450	NONE

Near Bar Background	815.93	813.79	700 - 1450
Near Dens Background	269.20	265.74	230 - 480
Near Peak Background	115.80	115.36	100 - 210
Near Lith Background	146.10	144.32	125 - 260
Far Bar Background	479.68	477.53	450 - 900
Far Dens Background	184.50	185.37	175 - 345
Far Peak Background	72.51	72.20	70 - 140
Far Lith Background	76.60	75.50	75 - 145

CALIBRATION BLOCK SUMMARY

Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.689	1.687	-0.002	+/- 0.015
Pe	2.521	2.561	0.040	+/- 0.150
ALUMINUM				
Density (g/cc)	2.574	2.580	0.006	+/- 0.01500
Pe	3.085	3.134	0.049	+/- 0.150

TOOL SUMMARY

Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	0.0002	+/- 0.0110	-0.0029	+/- 0.0140
Magnesium Block	-0.0013	+/- 0.0110	-0.0010	+/- 0.0140
Aluminum Block	-0.0009	+/- 0.0110	-0.0014	+/- 0.0140
Resolution	8.91	6.00 - 11.50	9.49	6.00 - 11.50
Internal Verifier(B+D+P+L)	1339	1200 - 2700	811	800 - 1700

PASS/FAIL SUMMARY

Background Quality Check:	Passed
Background Range Check:	Passed
Background Resolution Check:	Passed
Background Verification Check:	Passed
Magnesium Quality Check:	Passed
Aluminum Quality Check:	Passed
Gains Check:	Passed
Changes in Calibration Blocks:	Passed

SPECTRAL DENSITY FIELD CHECK

Tool Name: SDLT Pad - 10809130 **Reference Calibration Date:** 03-Aug-17 02:19:19

Engineer: WHITLOCK **Calibration Date:** 04-Oct-17 11:00:05

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

Pad Temperature: 70.0 degF

DENSITY FIELD CALIBRATION SUMMARY

Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1339.219	1341.398	2.179	14.801
Far (B+D+P+L) cps	810.608	809.039	-1.569	15.737
Near Resolution	8.91	8.94	0.030	0.50
Far Resolution	9.49	9.33	-0.160	1.00

PASS/FAIL SUMMARY	
Bkg Quality Check:	Passed
Bkg Resolution Check:	Passed
Bkg Verification Check:	Passed

CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
Depth Panel-PROT01						
Tension Zero	0.00	----------	----------	0.00	----------	lbs
Tension Cal	7830.00	----------	----------	0.00	----------	lbs
CH_HOS-CH_HOS_I						
DH Tension Zero	0.00	----------	----------	0.00	----------	lbs
DH Tension Cal	2250.00	----------	----------	0.00	----------	lbs
GTET-11021139						
Gamma Ray Calibrator	225.9	224.8	----------	1.1	+/- 9.00	api
DSNT-11020487						
Snow-Block Porosity	0.0746	0.0691	----------	0.0055	+/- 0.0150	decp
SDLT-11014296						
Pad Extension	3.75	3.84	----------	-0.09	+/-0.10	in
Ring Diameter	8.25	8.31	----------	-0.06	+/-0.15	in
ICT Mandrel-11019427						
Caliper 1	8.00	7.99	----------	0.01	+/-0.25	in
Caliper 2	8.00	8.01	----------	-0.01	+/-0.25	in
Caliper 3	8.00	8.04	----------	-0.04	+/-0.25	in
Caliper 4	8.00	7.94	----------	0.06	+/-0.25	in
Caliper 5	8.00	7.89	----------	0.11	+/-0.25	in
Caliper 6	8.00	7.94	----------	0.06	+/-0.25	in
ACRt Sonde-11038385						
Mud Cell	1.00	----------	----------	0	----------	ohm-m
Microlog Pad-11014296						
MicroLog Normal	19.59	19.46	----------	0.13	+/-0.80	ohmm
MicroLog Lateral	20.01	19.88	----------	0.13	+/-0.80	ohmm
SDLT Pad-10809130						
Near(B+D+P+L)	1339.219	1341.398	----------	-2.179	+/-14.801	cps
Far(B+D+P+L)	810.608	809.039	----------	1.569	+/-15.737	cps

Data: DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\IDLE **Date: 05-Oct-17 02:55:28**

HALLIBURTON

PARAMETERS REPORT

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP					
	SHARED	BS	Bit Size	8.750	in
	SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No	
	SHARED	MDBS	Mud Base	Water	
	SHARED	MDWT	Borehole Fluid Weight	9.100	ppg
	SHARED	WAGT	Weighting Agent	Barite	
	SHARED	BSAL	Borehole salinity	0.00	ppm
	SHARED	FSAL	Formation Salinity NaCl	0.00	ppm
	SHARED	KPCT	Percent K in Mud by Weight?	0.00	%
	SHARED	RMUD	Mud Resistivity	2.000	ohmm
	SHARED	TRM	Temperature of Mud	75.0	degF
	SHARED	CSD	Logging Interval is Cased?	No	
	SHARED	ICOD	AHV Casing OD	7.000	in

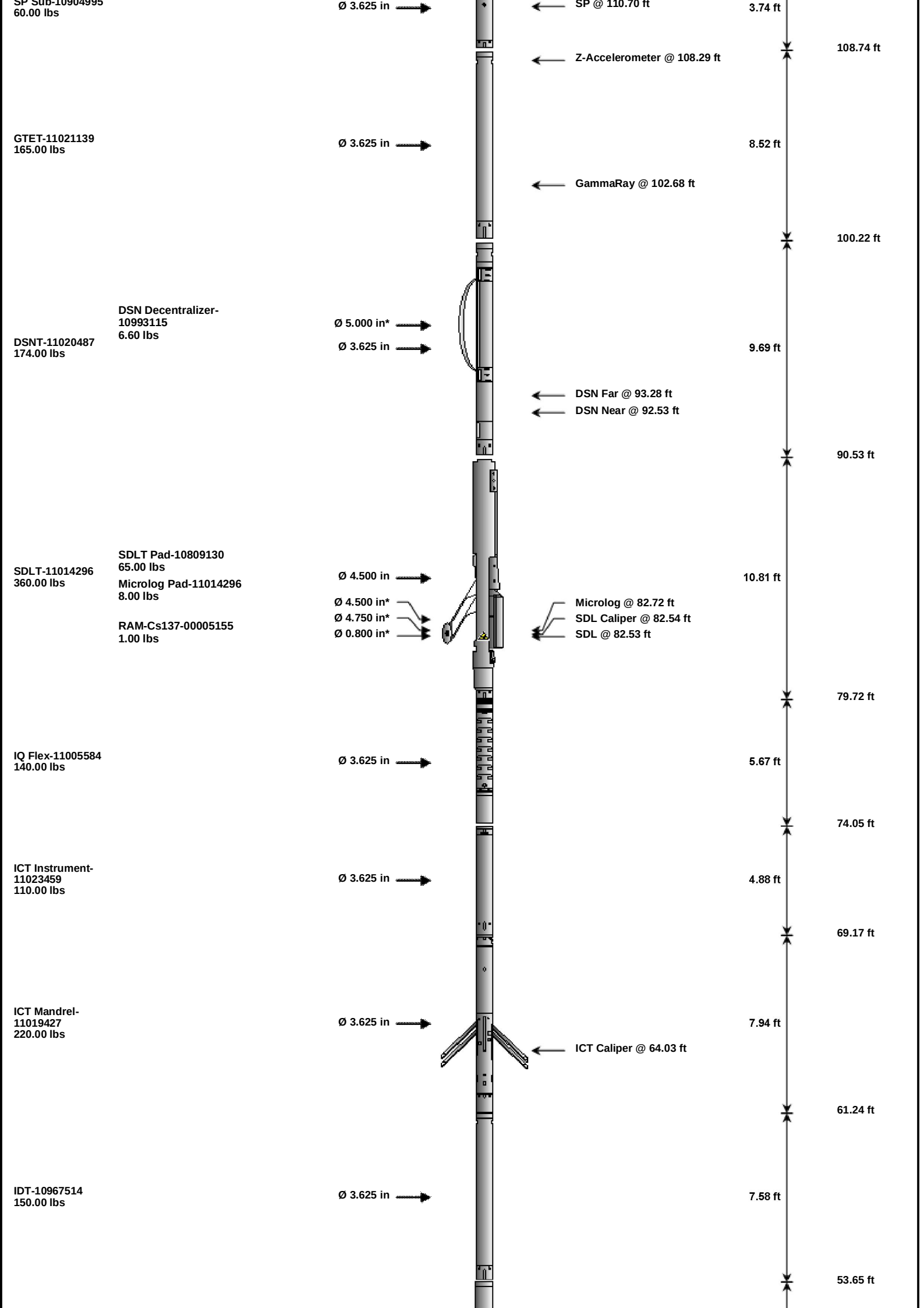
SHARED	CSTR	Compressive Strength	1000.00	psia
SHARED	ST	Surface Temperature	75.0	degF
SHARED	TD	Total Well Depth	5400.00	ft
SHARED	BHT	Bottom Hole Temperature	130.0	degF
SHARED	SVTM	Navigation and Survey Master Tool	IDT	
SHARED	AZTM	High Res Z Accelerometer Master Tool	IDT	
SHARED	TEMM	CBM Temperature Master Tool	GTET	
Rwa / CrossPlot	XPOK	Process Crossplot?	Yes	
Rwa / CrossPlot	FCHO	Select Source of F	Automatic	
Rwa / CrossPlot	AFAC	Archie A factor	0.6200	
Rwa / CrossPlot	MFAC	Archie M factor	2.1500	
Rwa / CrossPlot	RMFR	Rmf Reference	0.10	ohmm
Rwa / CrossPlot	TMFR	Rmf Ref Temp	75.00	degF
Rwa / CrossPlot	RWA	Resistivity of Formation Water	0.05	ohmm
Rwa / CrossPlot	ADP	Use Air Porosity to calculate CrossplotPhi	No	
Rwa / CrossPlot	BHSM	Borehole Size Source Tool	ICT Mandrel	
Rwa / CrossPlot	ROIN	Input for RO Calculation	Rwa	
GTET	GROK	Process Gamma Ray?	Yes	
GTET	GEOK	Process Gamma Ray EVR?	No	
GTET	TPOS	Tool Position for Gamma Ray Tools.	Eccentered	
GTET	BHSM	Borehole Size Source Tool	SDLT	
DSNT	DNOK	Process DSN?	Yes	
DSNT	DEOK	Process DSN EVR?	No	
DSNT	NLIT	Neutron Lithology	Limestone	
DSNT	DNSO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
DSNT	DNTT	Temperature Correction Type	None	
DSNT	DPRS	DSN Pressure Correction Type	None	
DSNT	SHCO	View More Correction Options	No	
DSNT	UTVD	Use TVD for Gradient Corrections?	No	
DSNT	LHWT	Logging Horizontal Water Tank?	No	
DSNT	BHSM	Borehole Size Source Tool	SDLT	
SDLT	CLOK	Process Caliper Outputs?	Yes	
Microlog Pad	MLOK	Process MicroLog Outputs?	Yes	
SDLT Pad	DNOK	Process Density?	Yes	
SDLT Pad	DNOK	Process Density EVR?	No	
SDLT Pad	CB	Logging Calibration Blocks?	No	
SDLT Pad	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT Pad	DTWN	Disable temperature warning	No	
SDLT Pad	DMA	Formation Density Matrix	2.710	g/cc
SDLT Pad	DFL	Formation Density Fluid	1.000	g/cc
SDLT Pad	BHSM	Borehole Size Source Tool	SDLT	
ICT Mandrel	CLOK	Process Caliper Outputs?	Yes	
ICT Mandrel	DARM	Disable Caliper Arm	No	
ICT Mandrel	ATDS	Arm To Disable	0	
ICT Mandrel	REPM	Method to replace arm?	Caliper Average	
ICT Mandrel	ARMV	Diameter to use for disabled arm	0.00	in
ICT Mandrel	DARM	Disable Second Caliper Arm	No	
ICT Mandrel	ATDS	Second Arm To Disable	0	
ICT Mandrel	REPM	Method to replace second arm?	Caliper Average	
ICT Mandrel	ARMV	Diameter to use for second disabled arm	0.00	in
ICT Mandrel	NAVS	Navigation Source Tool	IDT	
ICT Mandrel	CL1O	Radius 1 Offset	0.00	in
ICT Mandrel	CL2O	Radius 2 Offset	0.00	in
ICT Mandrel	CL3O	Radius 3 Offset	0.00	in

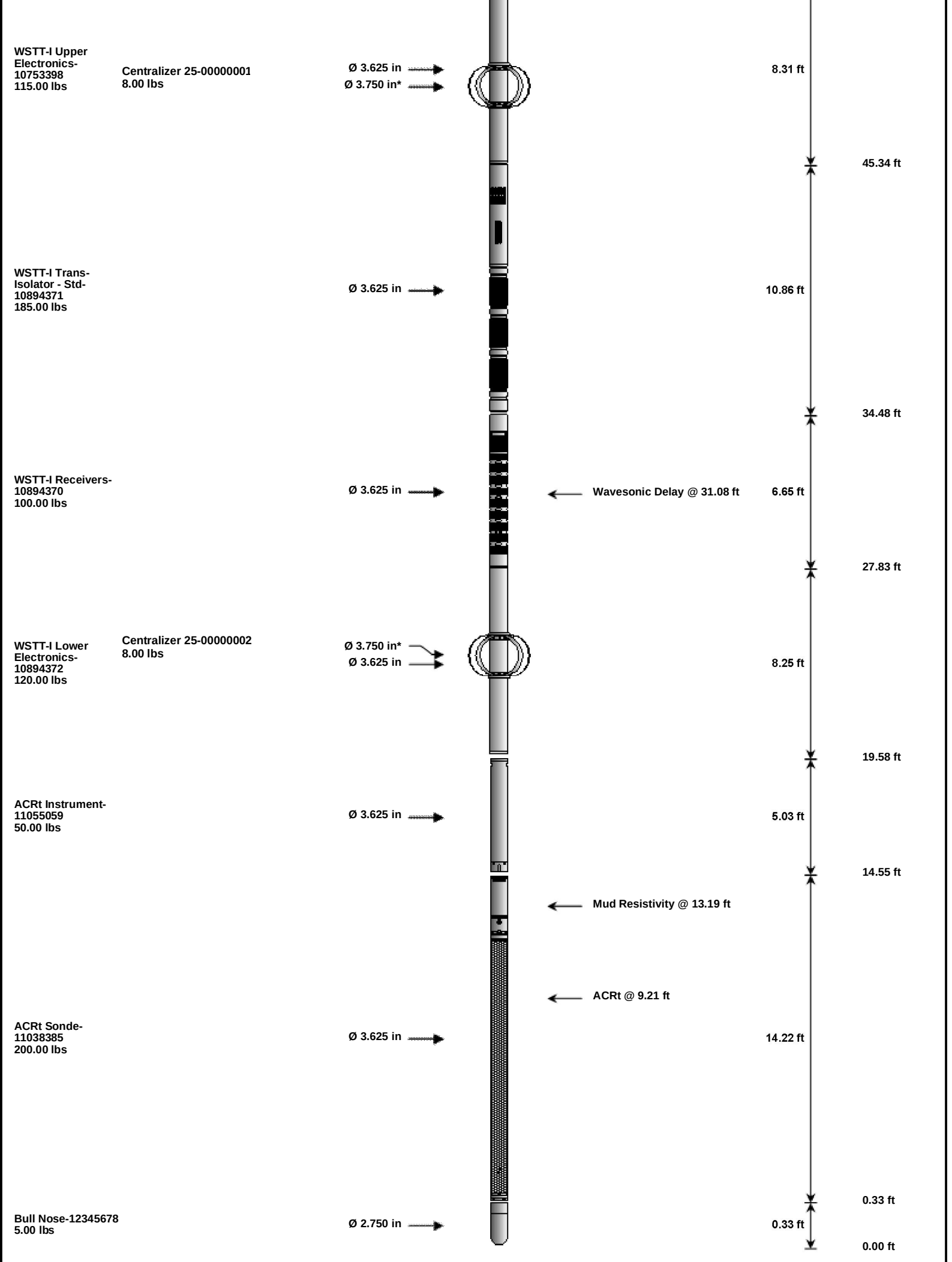
	ICT Mandrel	CL4O	Radius 4 Offset	0.00	in
	ICT Mandrel	CL5O	Radius 5 Offset	0.00	in
	ICT Mandrel	CL6O	Radius 6 Offset	0.00	in
	ICT Mandrel	BHVC	Radius type for borehole volume calcuations	Elliptical	
	ICT Mandrel	CCL	Caliper Correction Algorithm	None	
	IDT	WRTI	Survey Writing Interval	30	ft
	IDT	SOPT	Smoothing Option	None	
	WSTT-I Receivers	WSOK	Process WSTT?	Yes	
	WSTT-I Receivers	AFIL	Adaptive Filtering?	No	
	WSTT-I Receivers	PINT	Process 1 Sample and Skip	0	
	WSTT-I Receivers	PROM	Process Mode: M=1,MX=2,MY=3,MXY=4	4	
	WSTT-I Receivers	DTSH	Delta -T Shale	100.00	uspf
	WSTT-I Receivers	DTMT	Delta -T Matrix Type	Limestone 47.6	
	WSTT-I Receivers	DTMA	Delta -T Matrix	57.00	uspf
	WSTT-I Receivers	DTFL	Delta -T Pore Fluid	189.00	uspf
	WSTT-I Receivers	RHOM	Matrix Density	2.7100	g/cc
	WSTT-I Receivers	RHOF	Fluid Density	1.0000	g/cc
	WSTT-I Receivers	SMTH	Semblance Threshold	0.25	
	WSTT-I Receivers	VPVS	VPVS Ratio for Porosity	1.40	
	WSTT-I Receivers	APEQ	Acoustic Porosity Equation	Wylie	
	WSTT-I Receivers	NAVS	Navigation Source Tool	IDT	
	ACRt Sonde	RTOK	Process ACRt?	Yes	
	ACRt Sonde	MNSO	Minimum Tool Standoff	1.50	in
	ACRt Sonde	TCS1	Temperature Correction Source	FP Lwr & FP Upr	
	ACRt Sonde	TPOS	Tool Position	Free Hanging	
	ACRt Sonde	RMOP	Rmud Source	Mud Cell	
	ACRt Sonde	RMIN	Minimum Resistivity for MAP	0.20	ohmm
	ACRt Sonde	RMAX	Maximum Resistivity for MAP	200.00	ohmm
	ACRt Sonde	THQY	Threshold Quality	0.50	
	ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm
	ACRt Sonde	BHSM	Borehole Size Source Tool	SDLT	
	ACRt Sonde	MBFL	Apply Corkscrew Effect?	No	
BOTTOM					

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
CH_HOS_I 37.50 lbs		Ø 2.750 in		Temperature @ 115.43 ft		115.68 ft
					2.25 ft	
XOHD-11021555 20.00 lbs		Ø 2.750 in Ø 3.625 in				113.43 ft
					0.95 ft	
						112.48 ft


SP Sub-10904995
60.00 lbs
Ø 3.625 in
SP @ 110.70 ft
3.74 ft
108.74 ft
Z-Accelerometer @ 108.29 ft
GTET-11021139
165.00 lbs
Ø 3.625 in
8.52 ft
GammaRay @ 102.68 ft
100.22 ft
DSN Decentralizer-
10993115
6.60 lbs
Ø 5.000 in*
DSNT-11020487
174.00 lbs
Ø 3.625 in
9.69 ft
DSN Far @ 93.28 ft
DSN Near @ 92.53 ft
90.53 ft
SDLT Pad-10809130
65.00 lbs
SDLT-11014296
360.00 lbs
Microlog Pad-11014296
8.00 lbs
Ø 4.500 in
10.81 ft
Ø 4.500 in*
Ø 4.750 in*
Microlog @ 82.72 ft
SDL Caliper @ 82.54 ft
RAM-Cs137-00005155
1.00 lbs
Ø 0.800 in*
SDL @ 82.53 ft
79.72 ft
IQ Flex-11005584
140.00 lbs
Ø 3.625 in
5.67 ft
74.05 ft
ICT Instrument-
11023459
110.00 lbs
Ø 3.625 in
4.88 ft
69.17 ft
ICT Mandrel-
11019427
220.00 lbs
Ø 3.625 in
7.94 ft
ICT Caliper @ 64.03 ft
61.24 ft
IDT-10967514
150.00 lbs
Ø 3.625 in
7.58 ft
53.65 ft



Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
CH_HOS	Hostile Cable Head with Load Cell	CH_HOS_I	37.50	2.25	113.43	300.00
XOHD	Hostile to Dits Cross Over	11021555	20.00	0.95	112.48	300.00

SP	SP Sub	10904995	60.00	3.74		108.74	300.00
GTET	Gamma Telemetry Tool	11021139	165.00	8.52		100.22	60.00
DSNT	Dual Spaced Neutron	11020487	174.00	9.69		90.53	60.00
DCNT	DSN Decentralizer	10993115	6.60	5.13	*	93.86	300.00
SDLT	Spectral Density Tool	11014296	360.00	10.81		79.72	60.00
SDLP	Density Insite Pad	10809130	65.00	2.55	*	81.93	60.00
Cs137	Logging Source, SDLT-I, 1.78 Ci - Cs137	00005155	1.00	0.80	*	82.16	300.00
MICP	Microlog Pad	11014296	8.00	1.00	*	82.22	60.00
IQF	IQ Flex tool	11005584	140.00	5.67		74.05	300.00
ICT	Six Independent Arm Caliper Instrument	11023459	110.00	4.88		69.17	60.00
ICT	Six Independent Arm Caliper Mandrel	11019427	220.00	7.94		61.24	60.00
IDT	Insite Directional Tool	10967514	150.00	7.58		53.65	60.00
WSTT	WaveSonic Insite - Upper Electronics	10753398	115.00	8.31		45.34	100.00
OBCEN	Centralizer - 25 in. Overbody	00000001	8.00	2.08	*	47.71	300.00
WSTT	WaveSonic Insite - Trans-Isolator - Std	10894371	185.00	10.86		34.48	100.00
WSTT	WaveSonic Insite - Receivers	10894370	100.00	6.65		27.83	30.00
WSTT	WaveSonic Insite - Lower Electronics	10894372	120.00	8.25		19.58	100.00
OBCEN	Centralizer - 25 in. Overbody	00000002	8.00	2.08	*	23.00	300.00
ACRt	Array Compensated True Resistivity Instrument Section	11055059	50.00	5.03		14.55	120.00
ACRt	Array Compensated True Resistivity Sonde Section	11038385	200.00	14.22		0.33	120.00
BLNS	Bull Nose	12345678	5.00	0.33		0.00	300.00
Total			**2,308.10**	**115.68**			

* Not included in Total Length and Length Accumulation.

Data: DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\001 05-Oct-17 03:00 Dn @115.8f **Date: 05-Oct-17 03:02:30**

HALLIBURTON

MICROLOG

COMPANY	WELL	FIELD/BLOCK	COUNTY	STATE
DESTINY PETROLEUM	LINDA 3504 SWD 1-5	WILDCAT	SUMNER	KANSAS

COMPANY **DESTINY PETROLEUM**

WELL **LINDA 3504 SWD 1-5**

FIELD/BLOCK **WILDCAT**

COUNTY **SUMNER** STATE **KANSAS**

API No. 15-191-22795-00-00

Location

(SHL) SE NE SE NE
1717' FNL & 237' FEL

Sect. 5 Twp. 35S Rge. 4W

Other Services:

ACRT
SDL-DSN-ML
WAVESONIC
IDT-ICT

Permanent Datum	GL	Elev. 1199.0 ft	Elev.: K.B. 1214.0 ft
Log measured from	KB	, 15.0 ft above perm. Datum	D.F. 1212.0 ft
Drilling measured from	KB		G.L. 1199.0 ft

Date		05-Oct-17					
Run No.		1					
Depth - Driller		5400.0 ft					
Depth - Logger		5376.0 ft					
Bottom - Logged Interval		5366					
Top - Logged Interval		315					
Casing - Driller		9.625 in	@ 315.0 ft	@		@	
Casing - Logger		315.0 ft					
Bit Size		8.750 in		@		@	
Type Fluid in Hole		Water Based Mud					
Density	Viscosity	9.1 ppg	38.00 s/qt				
PH	Fluid Loss	11.20 pH	8.5 cptm				
Source of Sample		MUD PIT					
Rm @ Meas. Temperature		0.24 ohmm	@ 84.00 degF	@		@	
Rmf @ Meas. Temperature		0.19 ohmm	@ 80.00 degF	@		@	
Rmc @ Meas. Temperature		0.31 ohmm	@ 80.00 degF	@		@	
Source Rmf	Rmc	MEAS	MEAS				
Rm @ BHT		0.14 ohmm	@ 145.0 degF	@		@	
Time Since Circulation		18:00 hr					
Time on Bottom		05-Oct-17 03:33					
Max. Rec. Temperature		145.00 degF	@ 5376.0 ft	@		@	
Equipment	Location	12156883	EL RENO, OK				
Recorded By		WHITLOCK					
Witnessed By		REID McCARTY					

Fold here

PGM Version: WL INSITE R5.0.5 (Build 8)

Service Ticket No.: 904342231

API No.: 15-191-22795-00-00

CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE

| | Date | Sample No. | | | | | | |

DIRECTIONAL INFORMATION

Maximum Deviation	@	KOP	@

Remarks: 7" CASING USED FOR ANNULAR HOLE VOLUME

HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

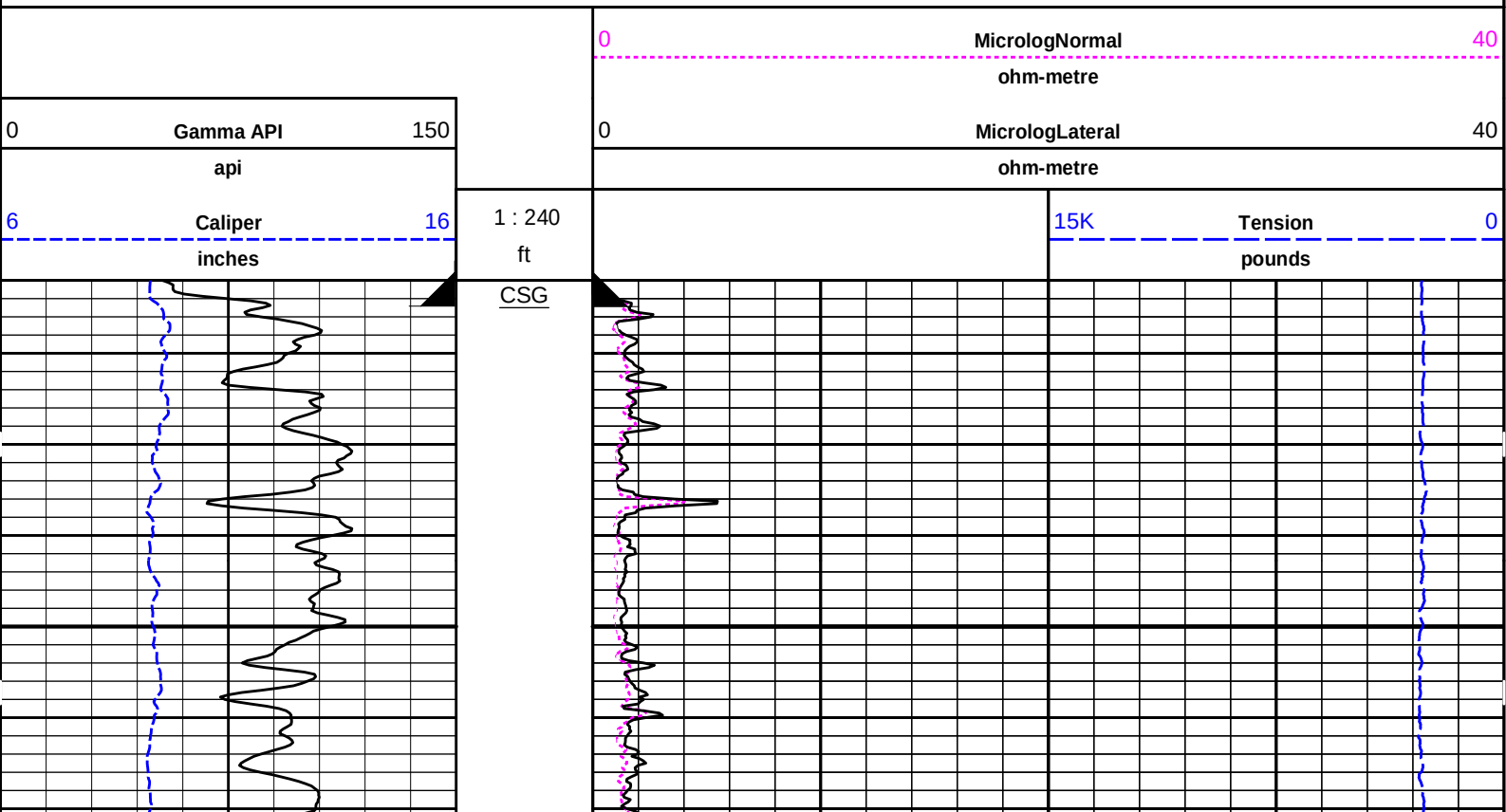
HALLIBURTON

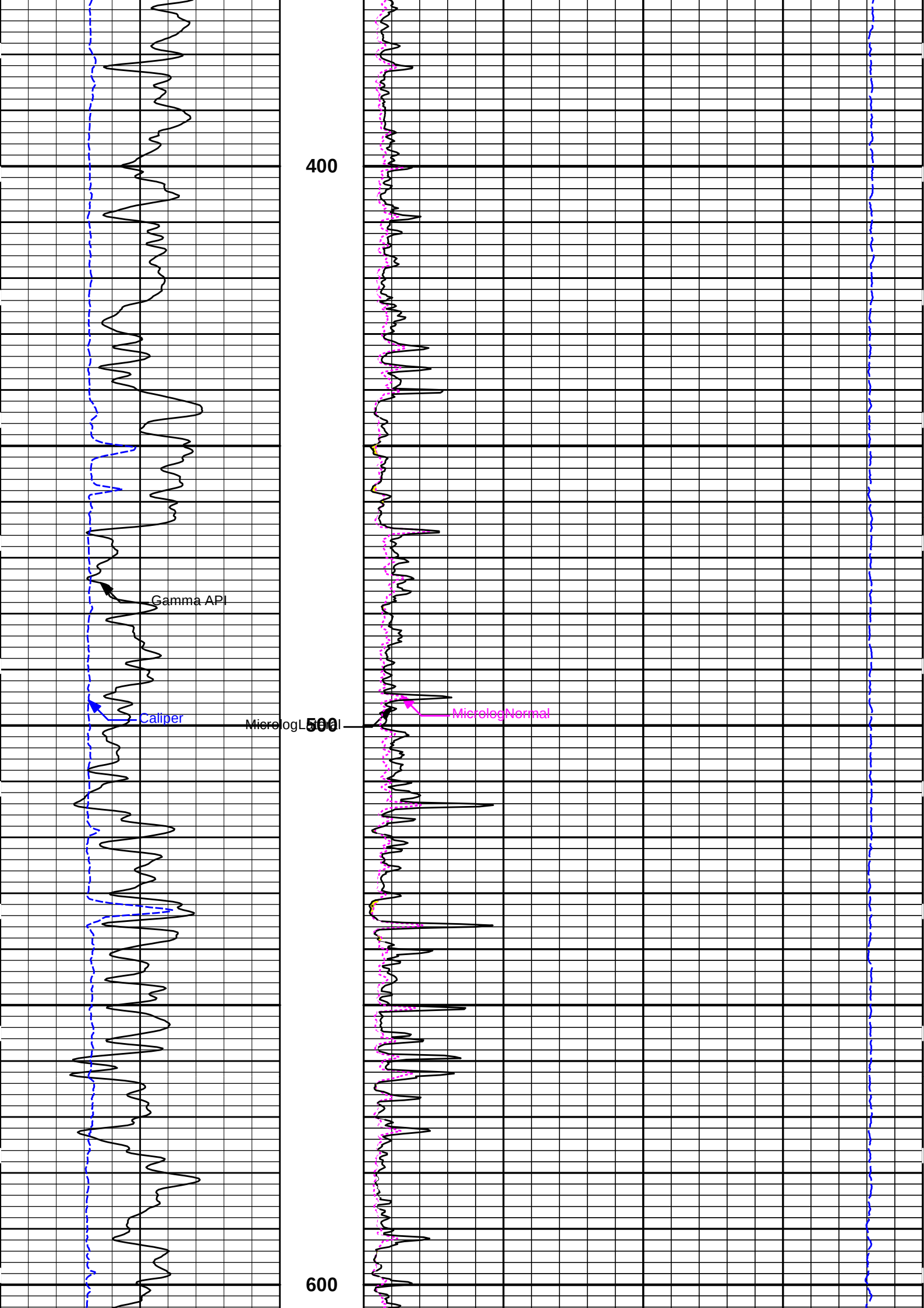
HALLIBURTON

Plot Time: 05-Oct-17 09:38:59
Plot Range: 312 ft to 5378.08 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-004
Plot File: \\-LOCAL-\DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\ML\Microlog_IQ_5_main

5 INCH MAIN LOG

MAIN LOG 5" PER 100'

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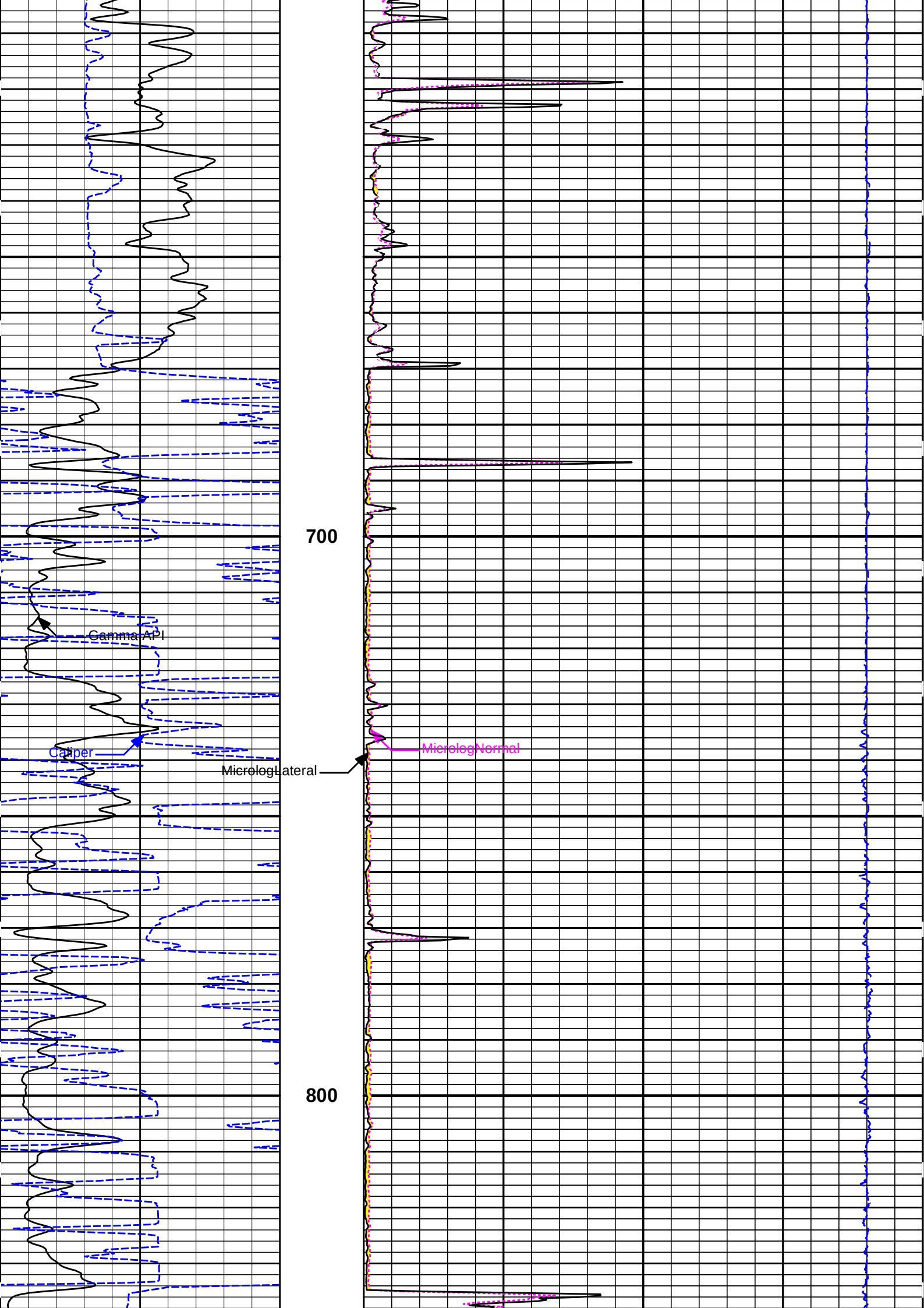
Gamma API
Caliper
MicrologLateral
500
MicrologNormal
600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800
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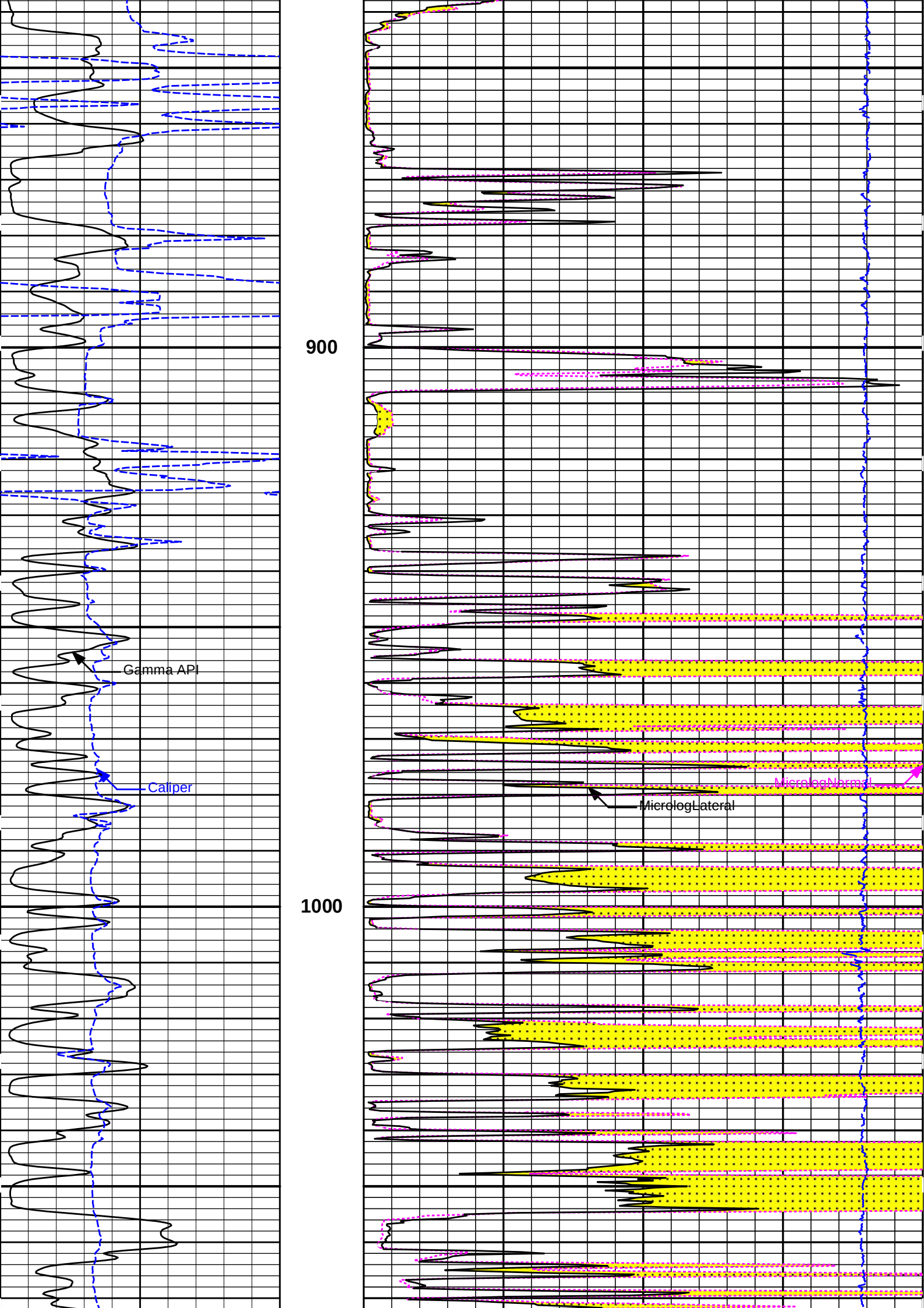
Caliper
MicrologLateral
MicrologNormal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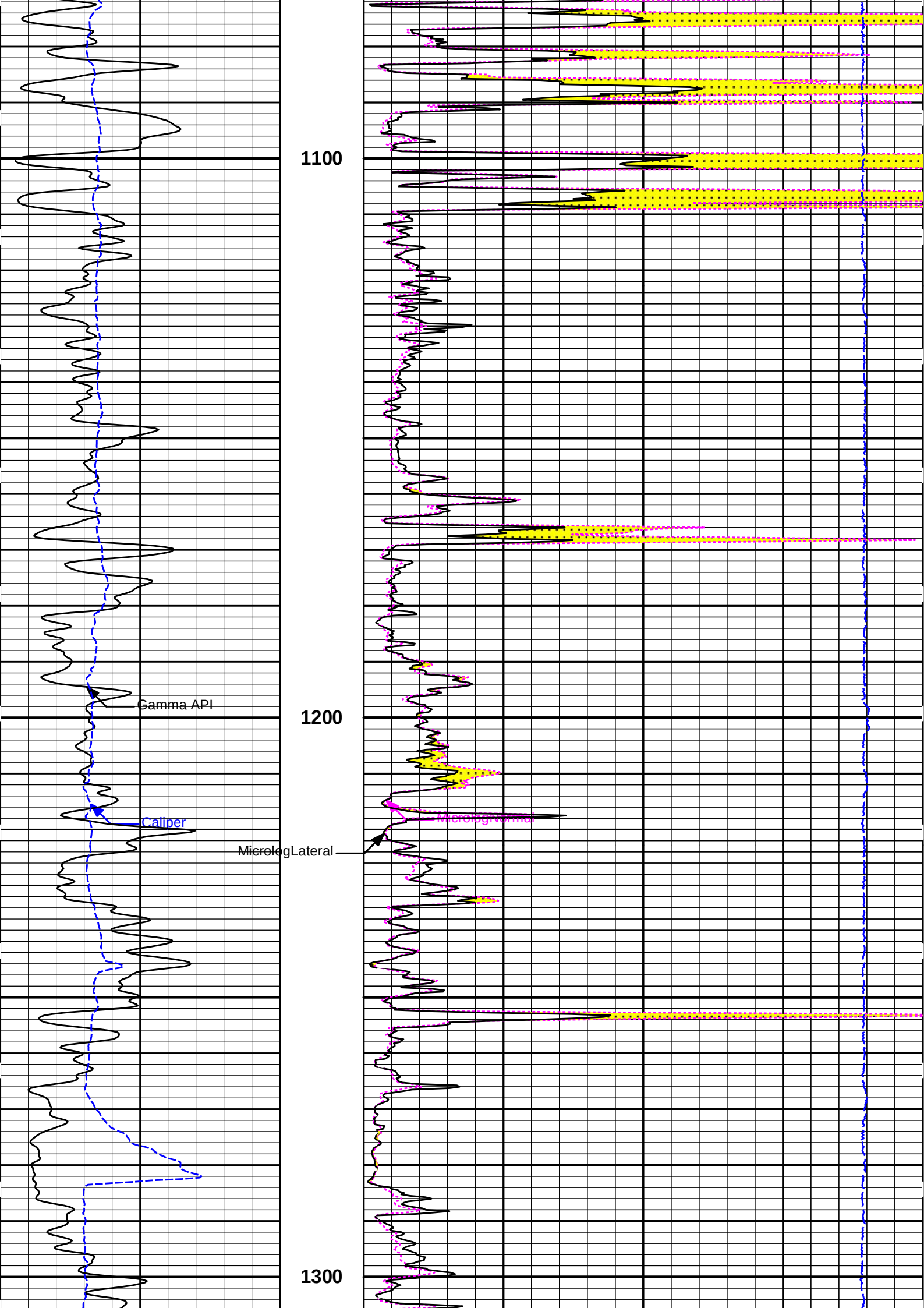
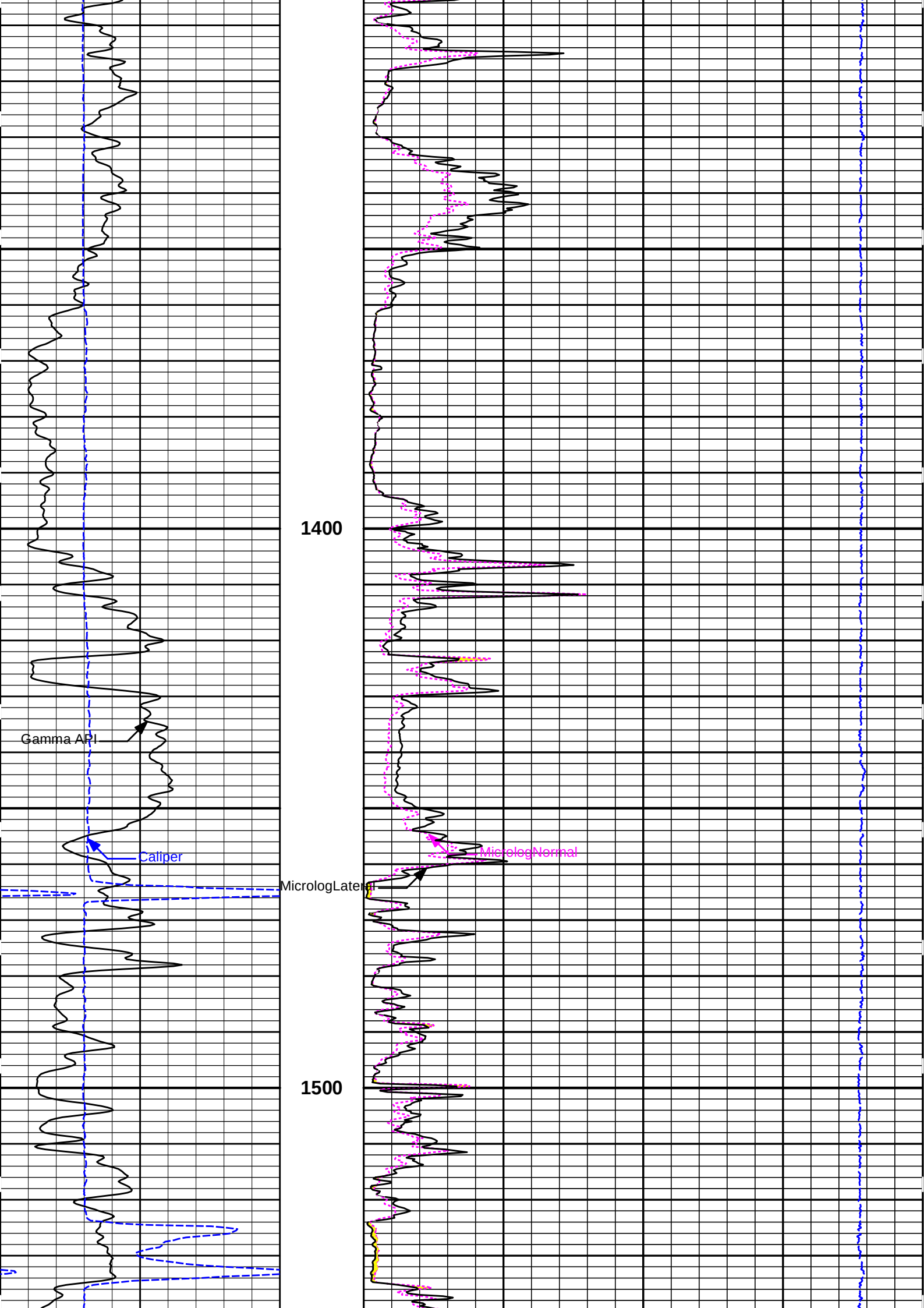
1000


1100
1200
1300
Gamma API
Caliper
MicrologLateral
Microloginormal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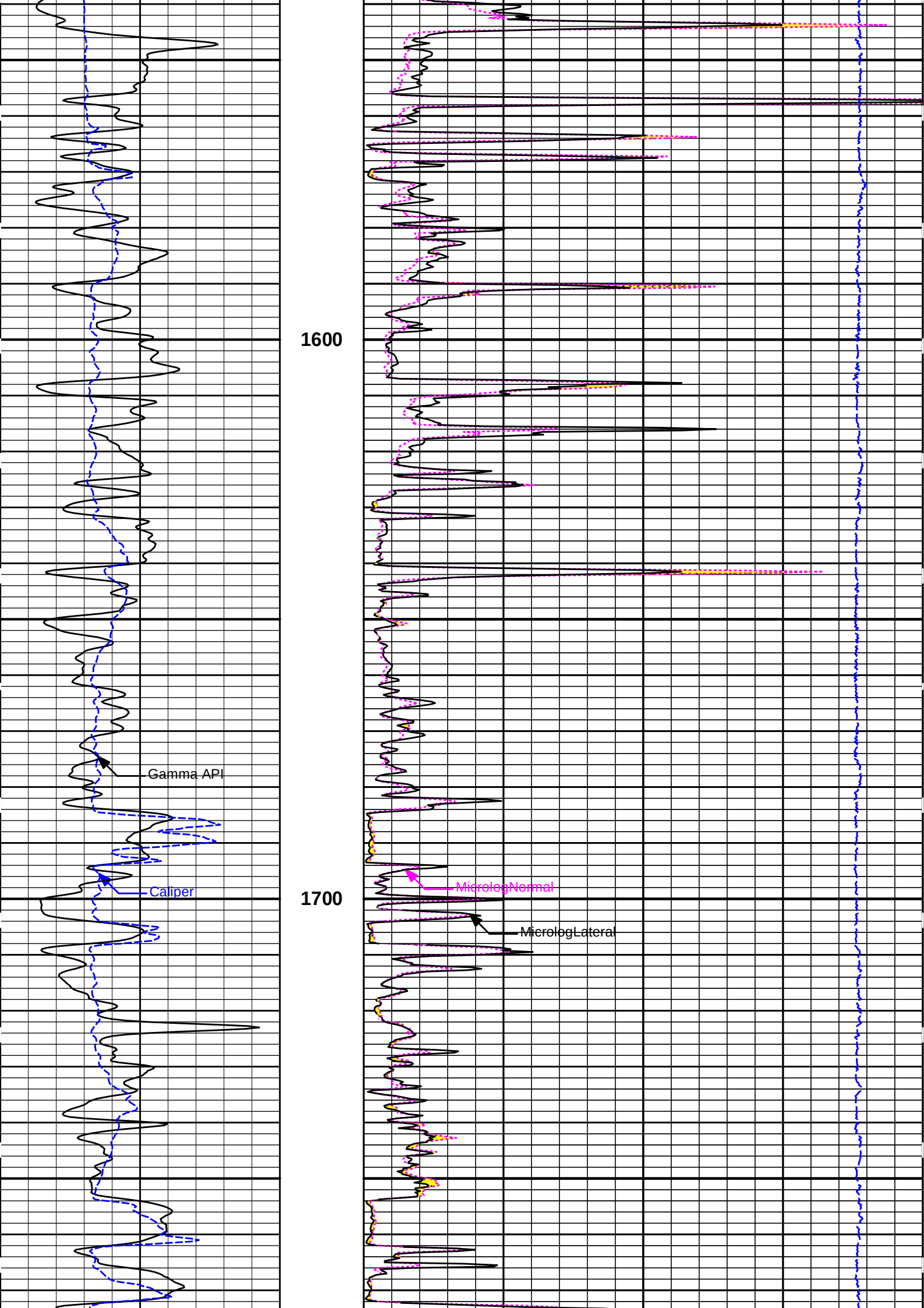
Gamma API
Caliper
MicrologNormal
MicrologLateral
1500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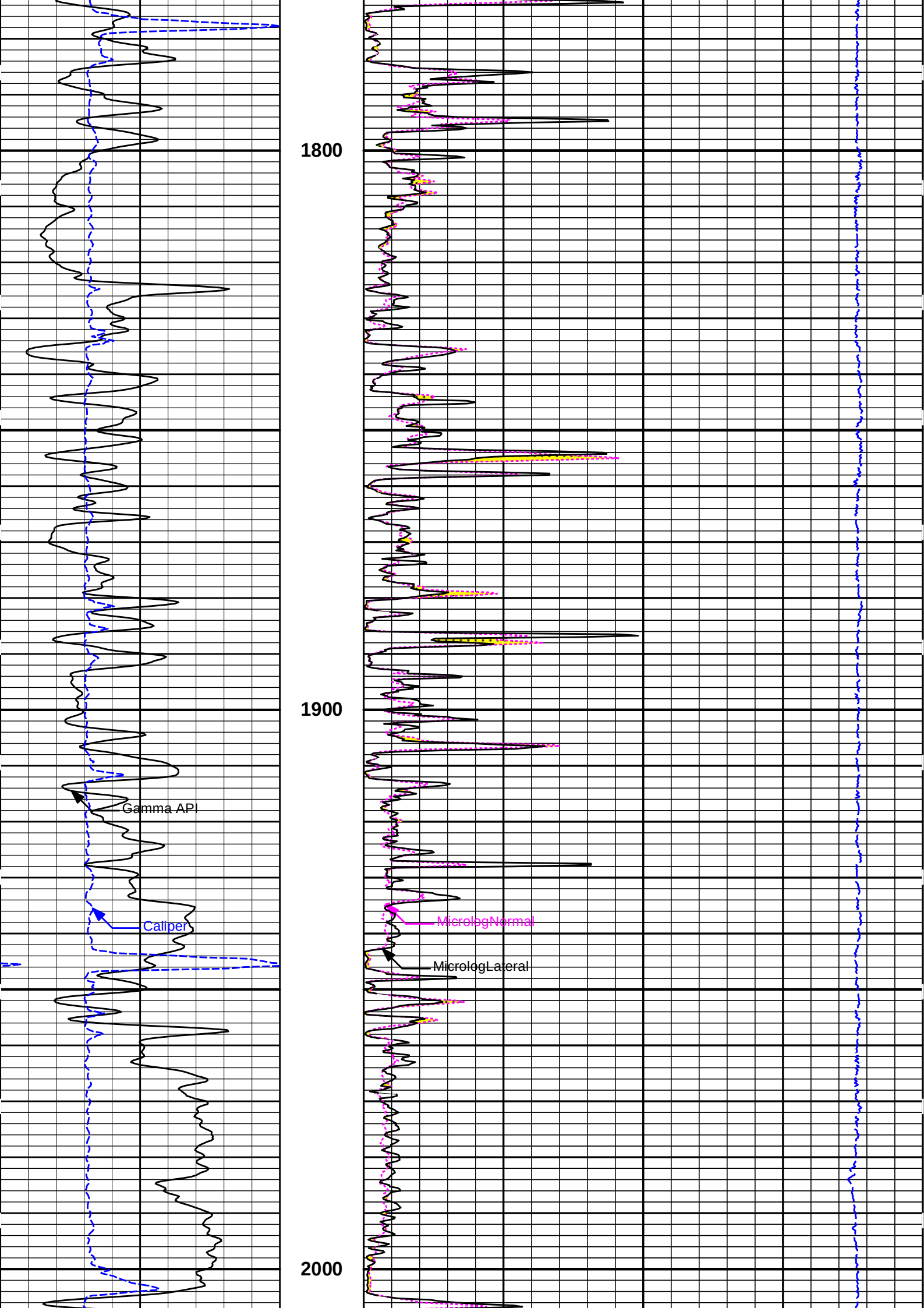
1700
Gamma API
Caliper
MicrologNormal
MicrologLateral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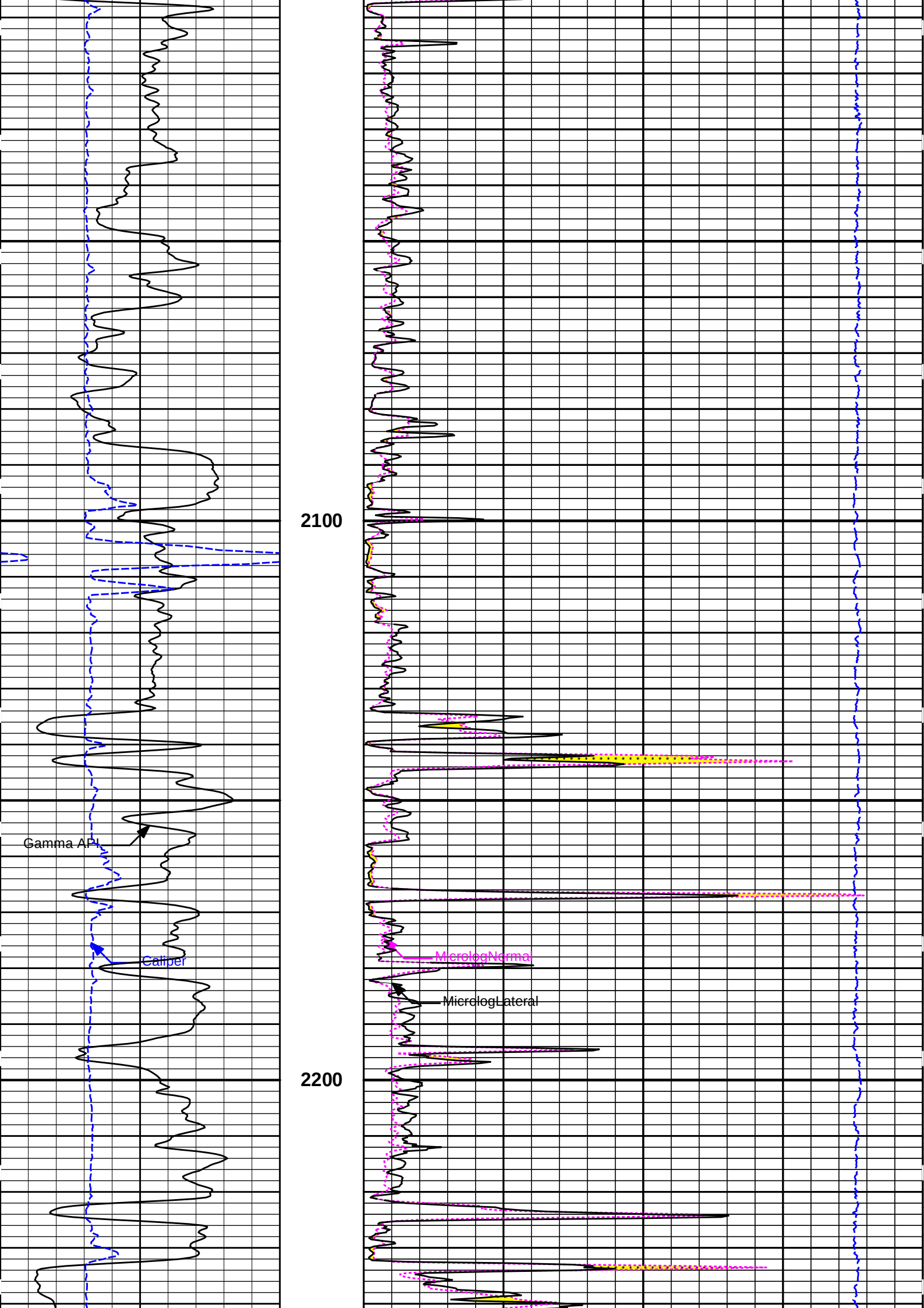
Caliper
MicrologNormal
MicrologLateral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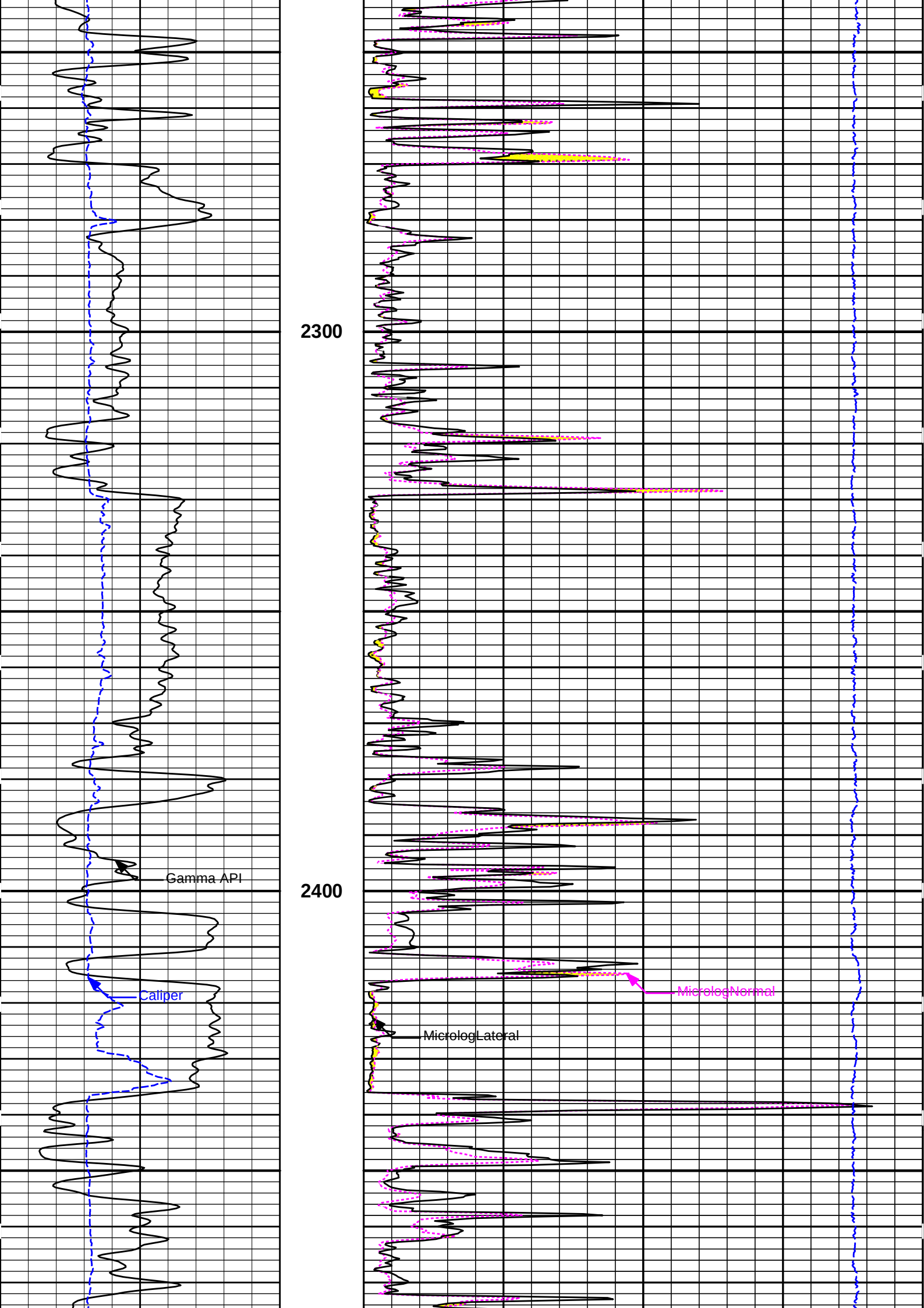
Caliper
MicrologNormal
MicrologLateral
2200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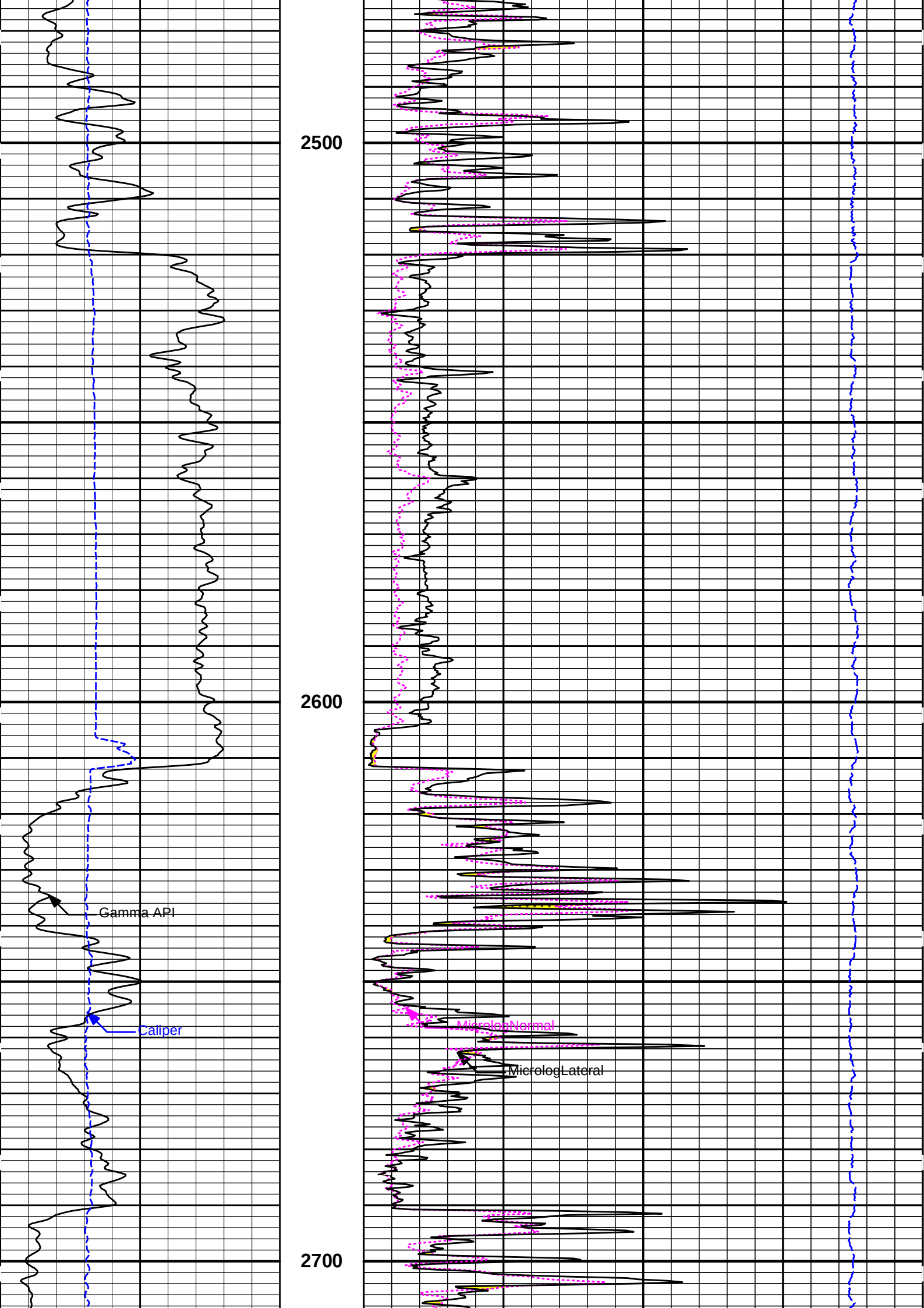
2400
Gamma API
Caliper
MicrologNormal
MicrologLateral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2700
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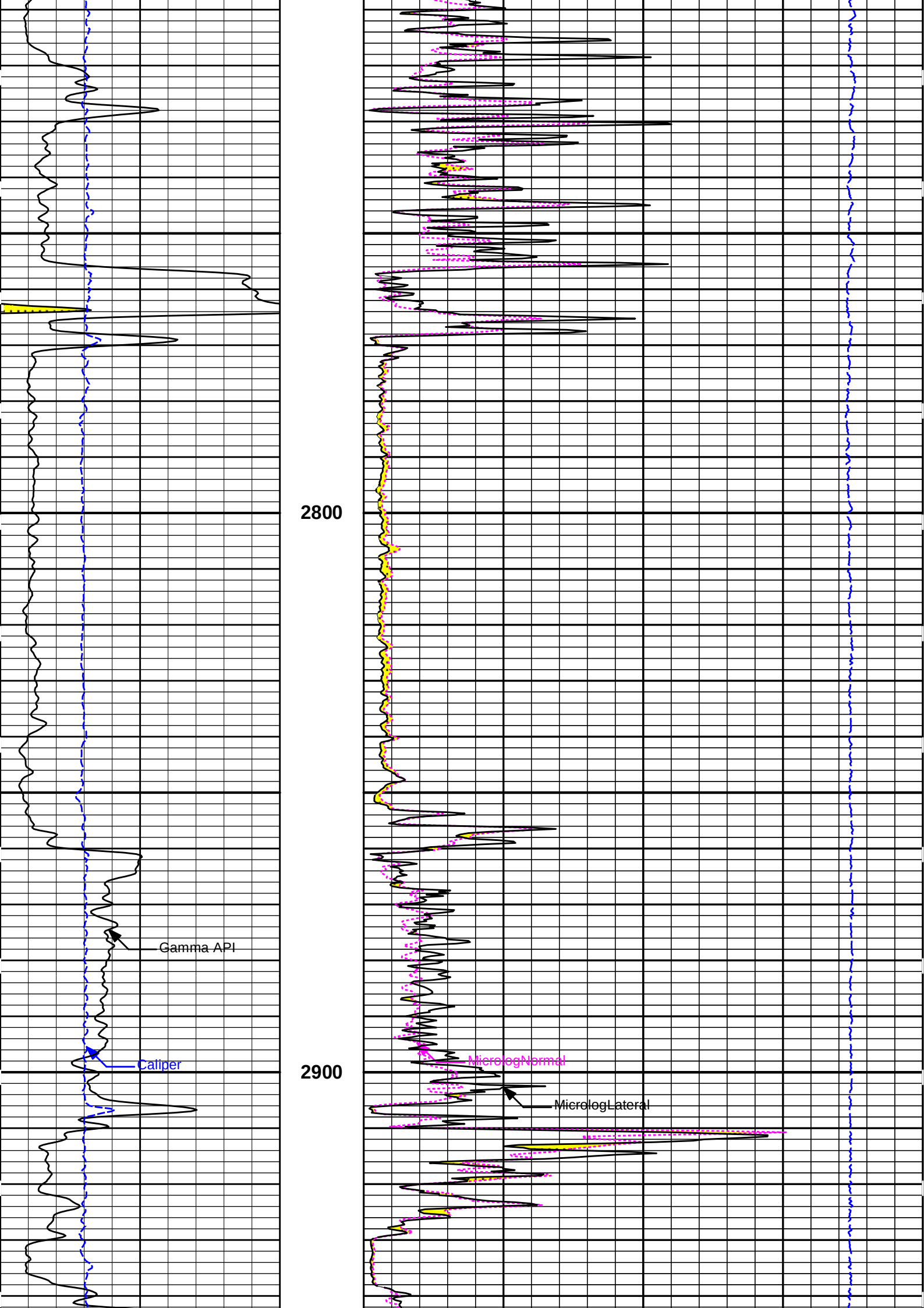
Caliper
MicrologNormal
MicrologLateral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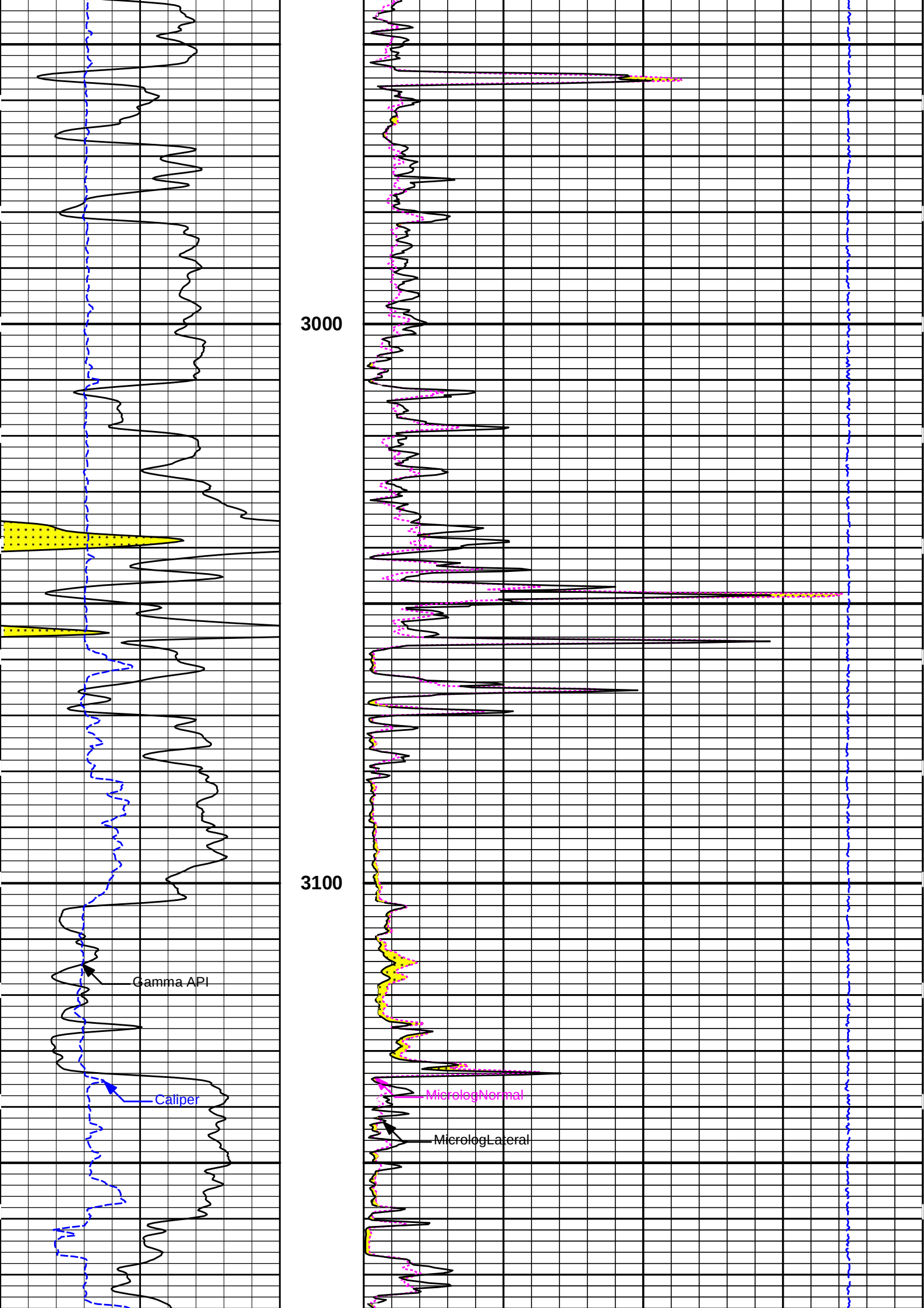
Gamma API
Caliper
MicrologNormal
MicrologLateral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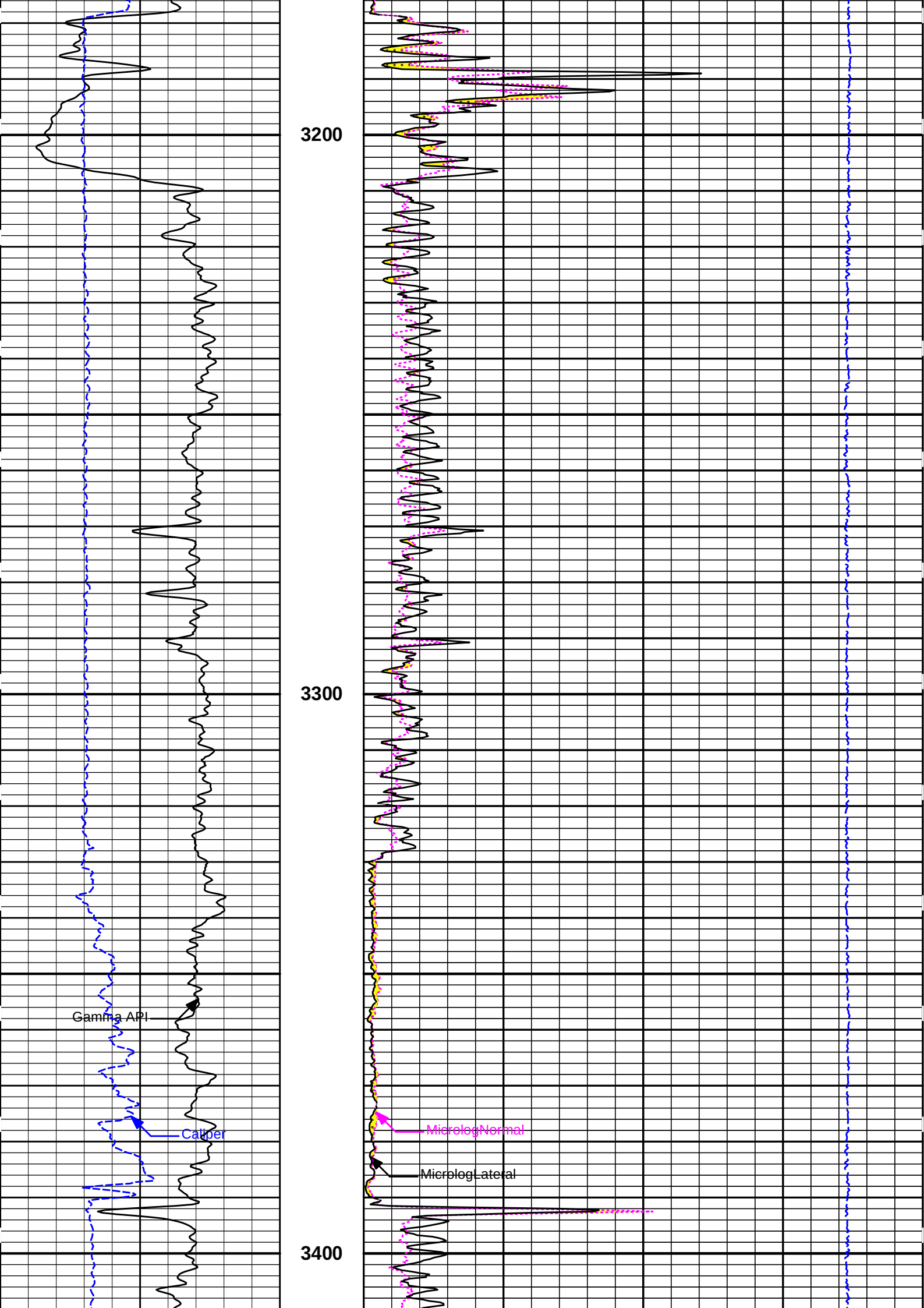
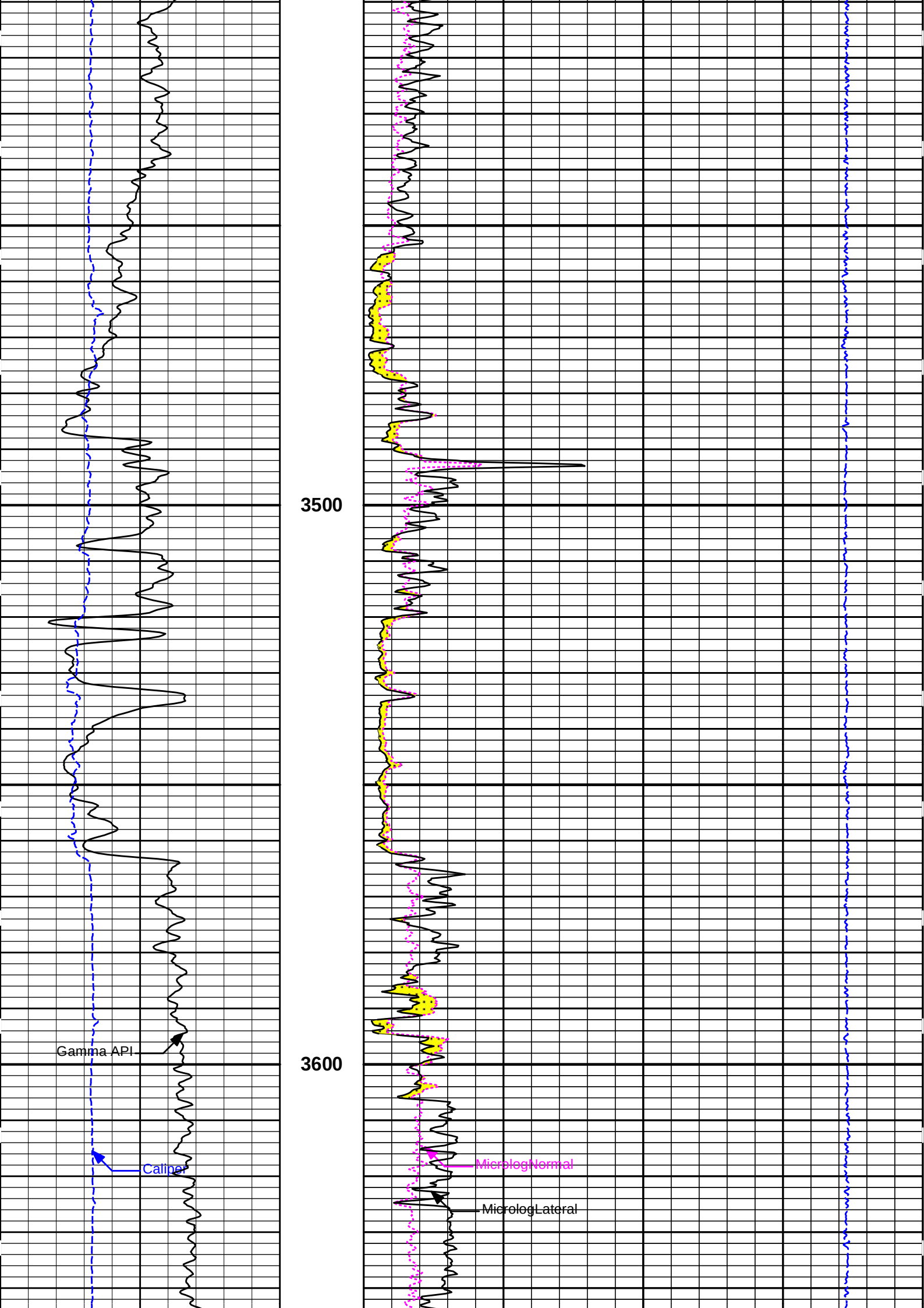
Gamma API
Caliper
MicrologNormal
MicrologLateral


3200
3300
3400
Gamma API
Caliper
MicrologNormal
MicrologLateral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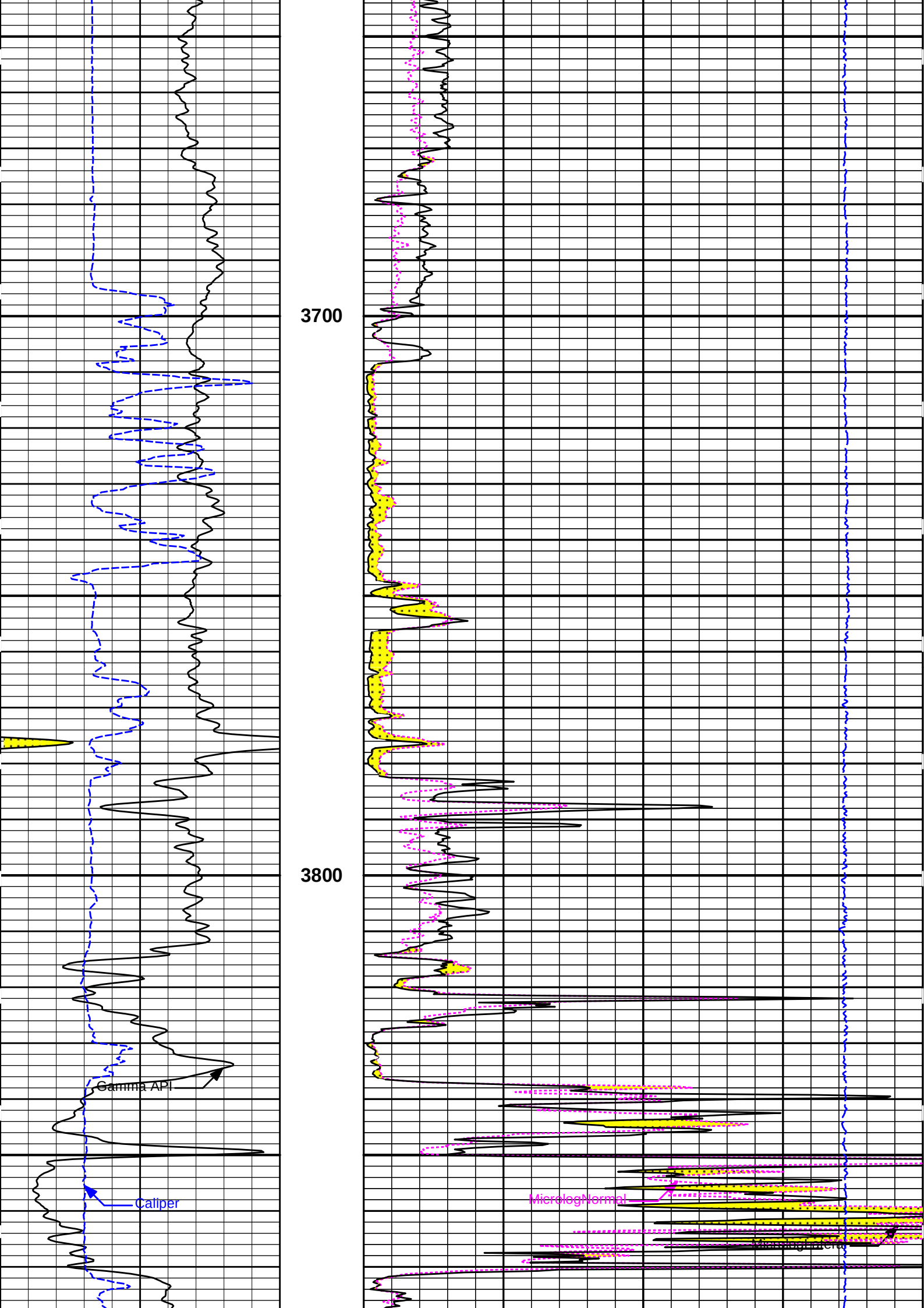
3600
Gamma API
Caliper
MicrologNormal
MicrologLateral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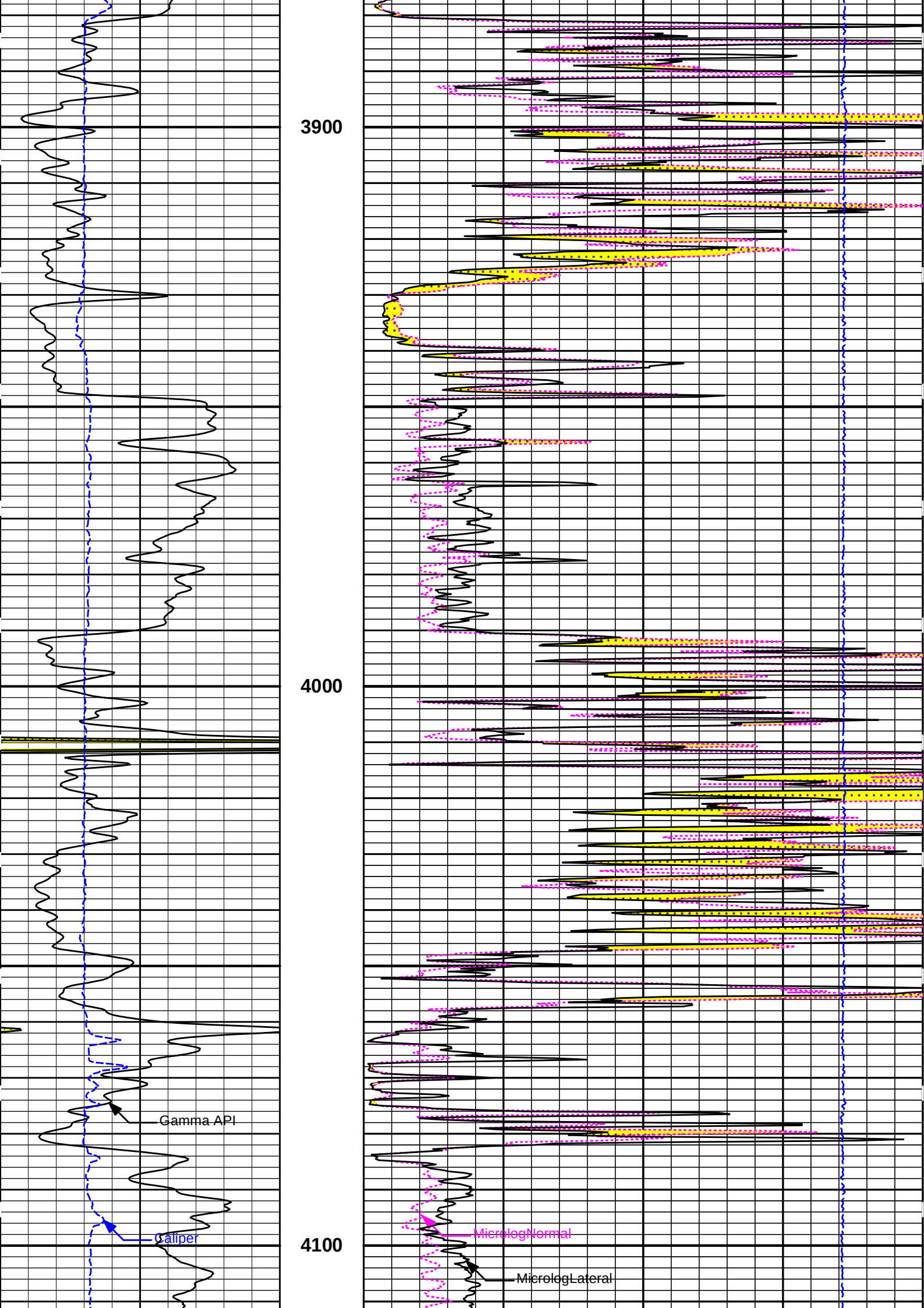
3800
Gamma API
Caliper
MicrologNormal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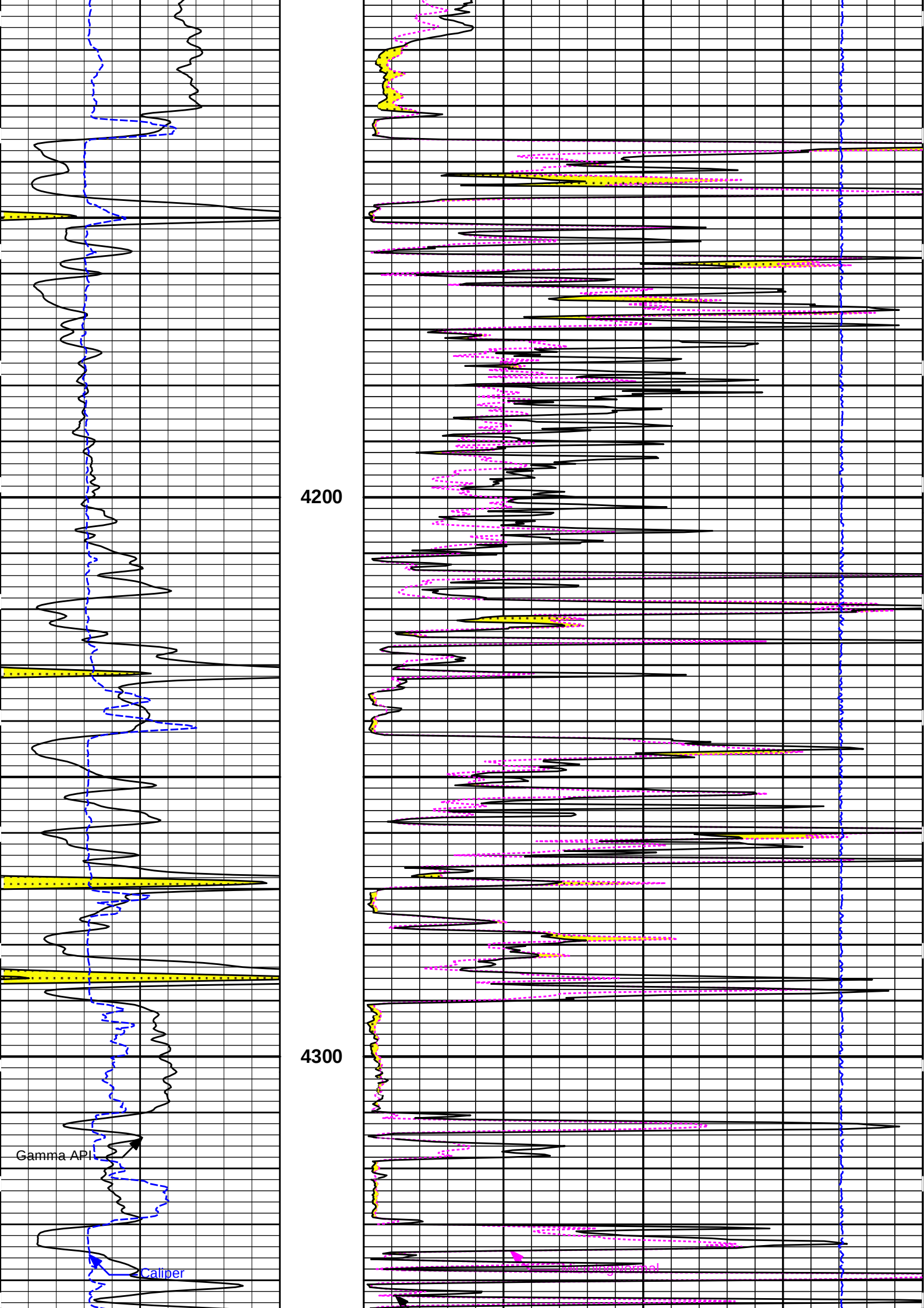
4000
4100
Gamma API
Caliper
MicrologNormal
MicrologLateral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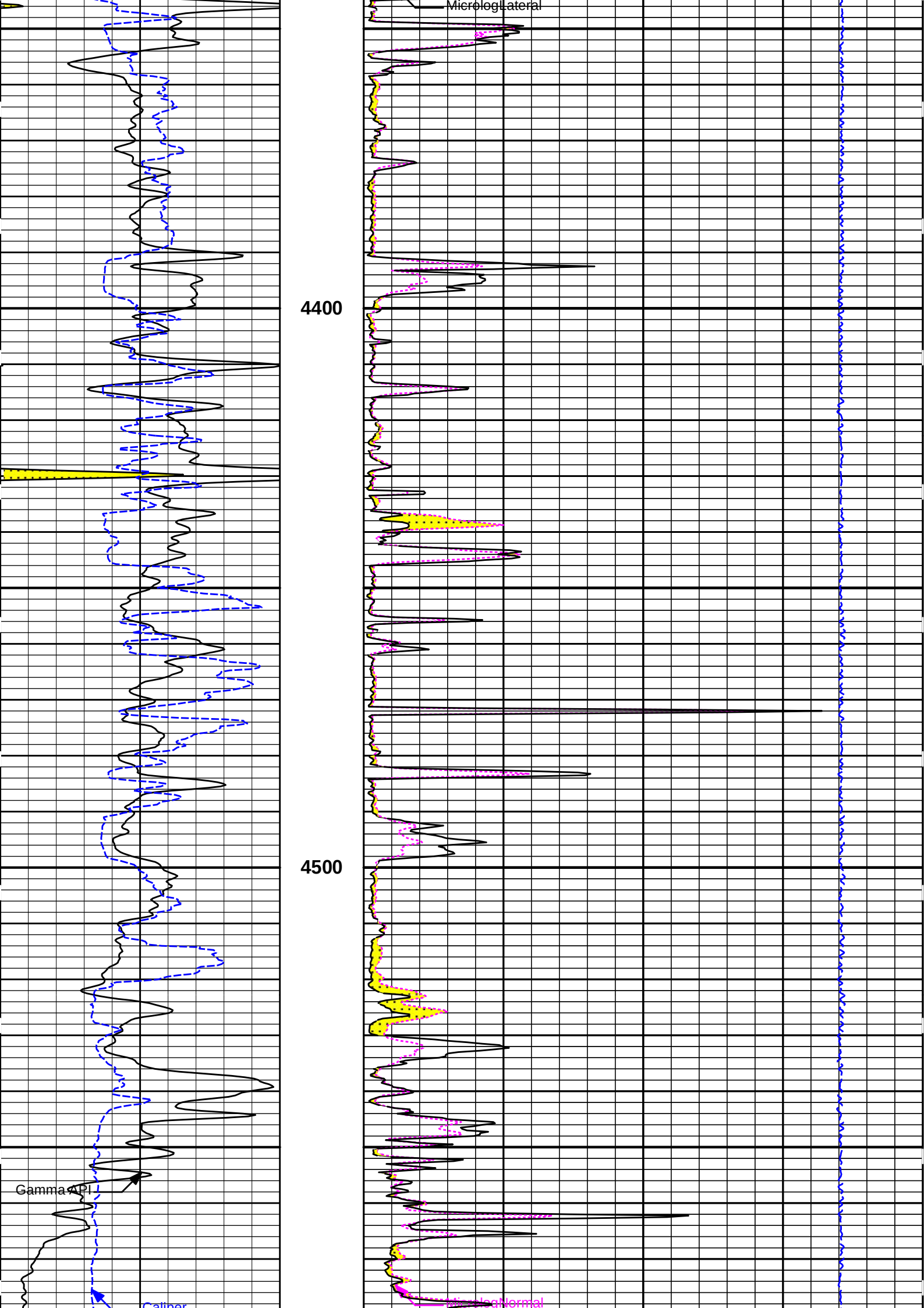
4300
Gamma API
Caliper
Deep Resistivity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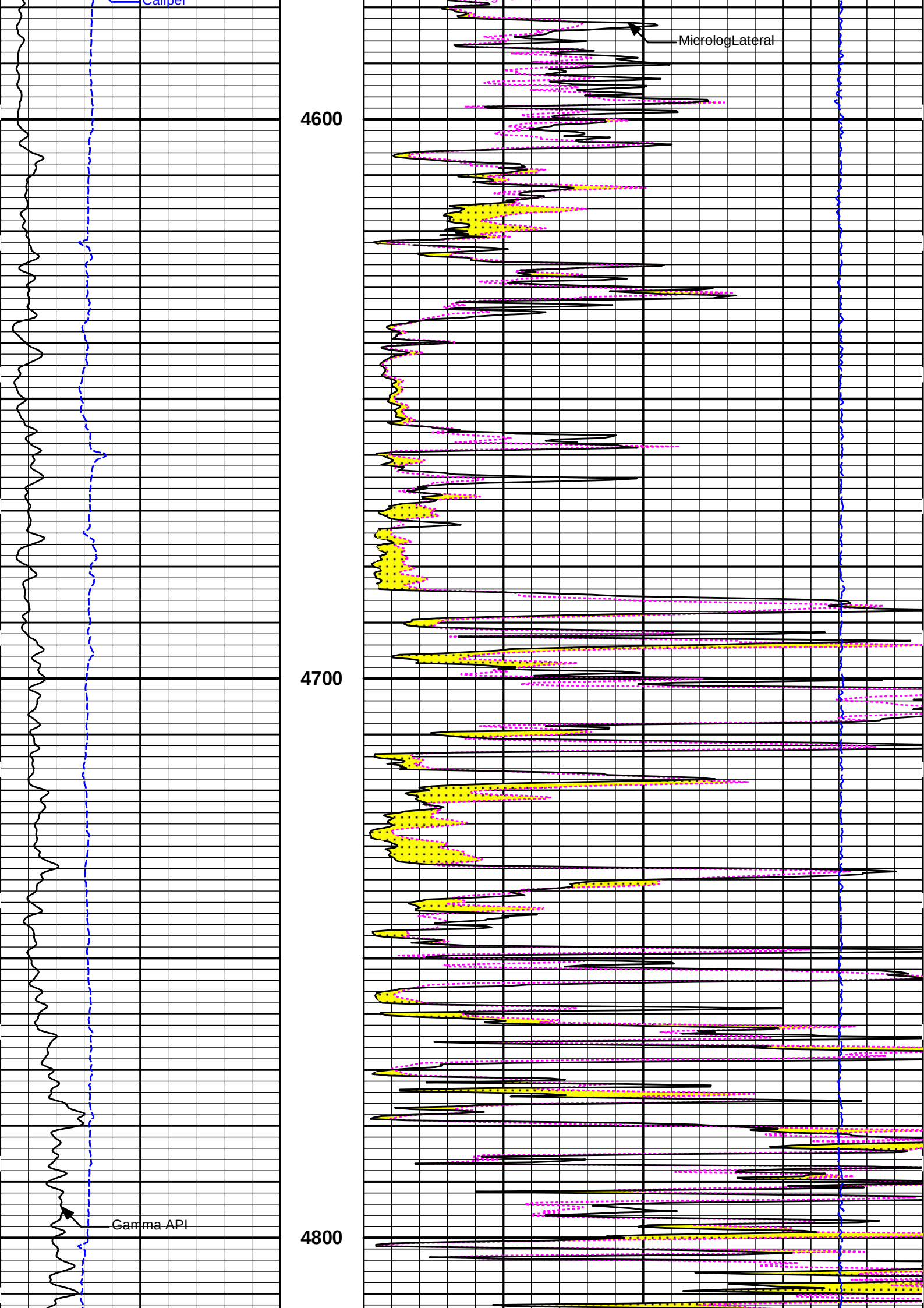
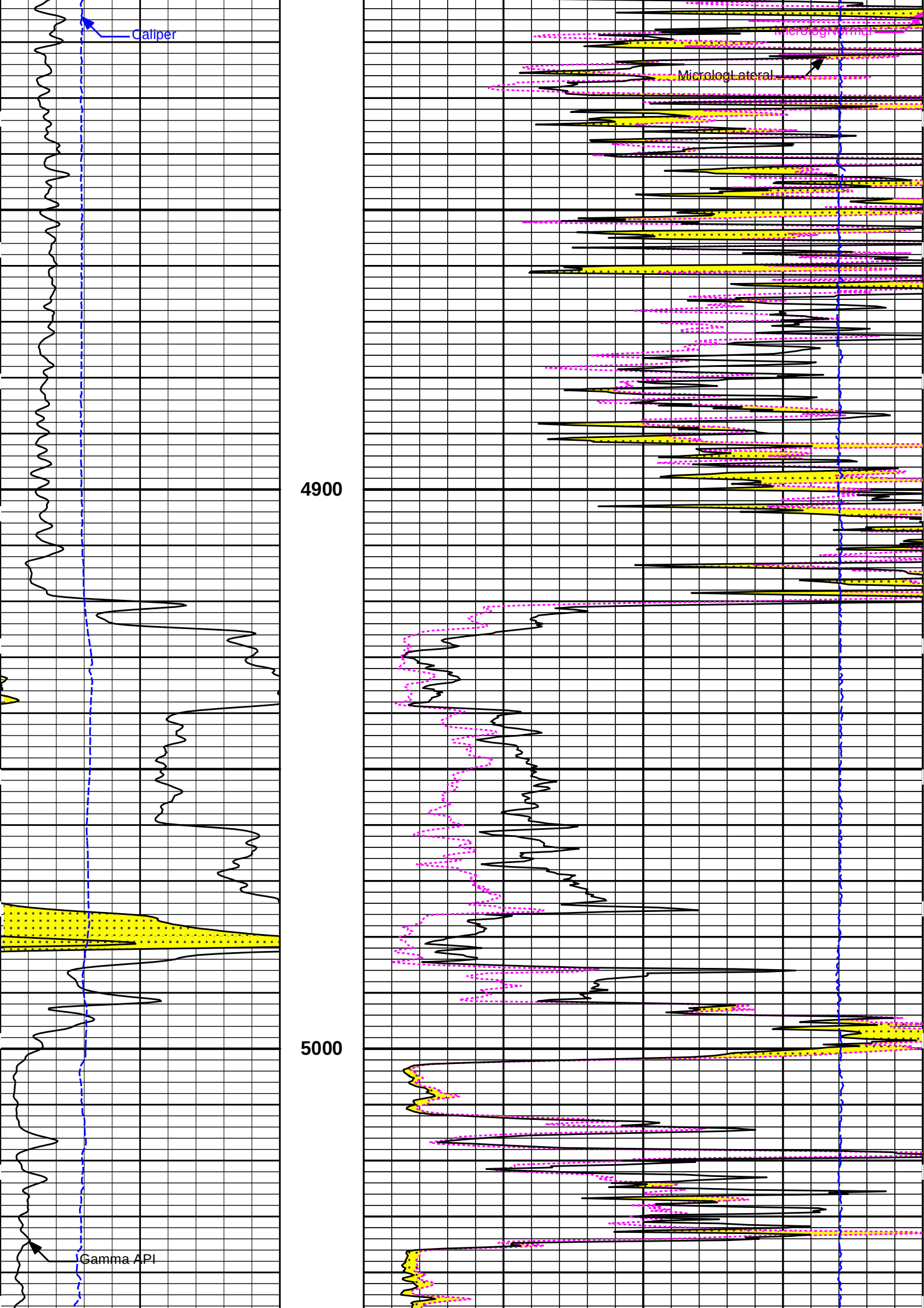
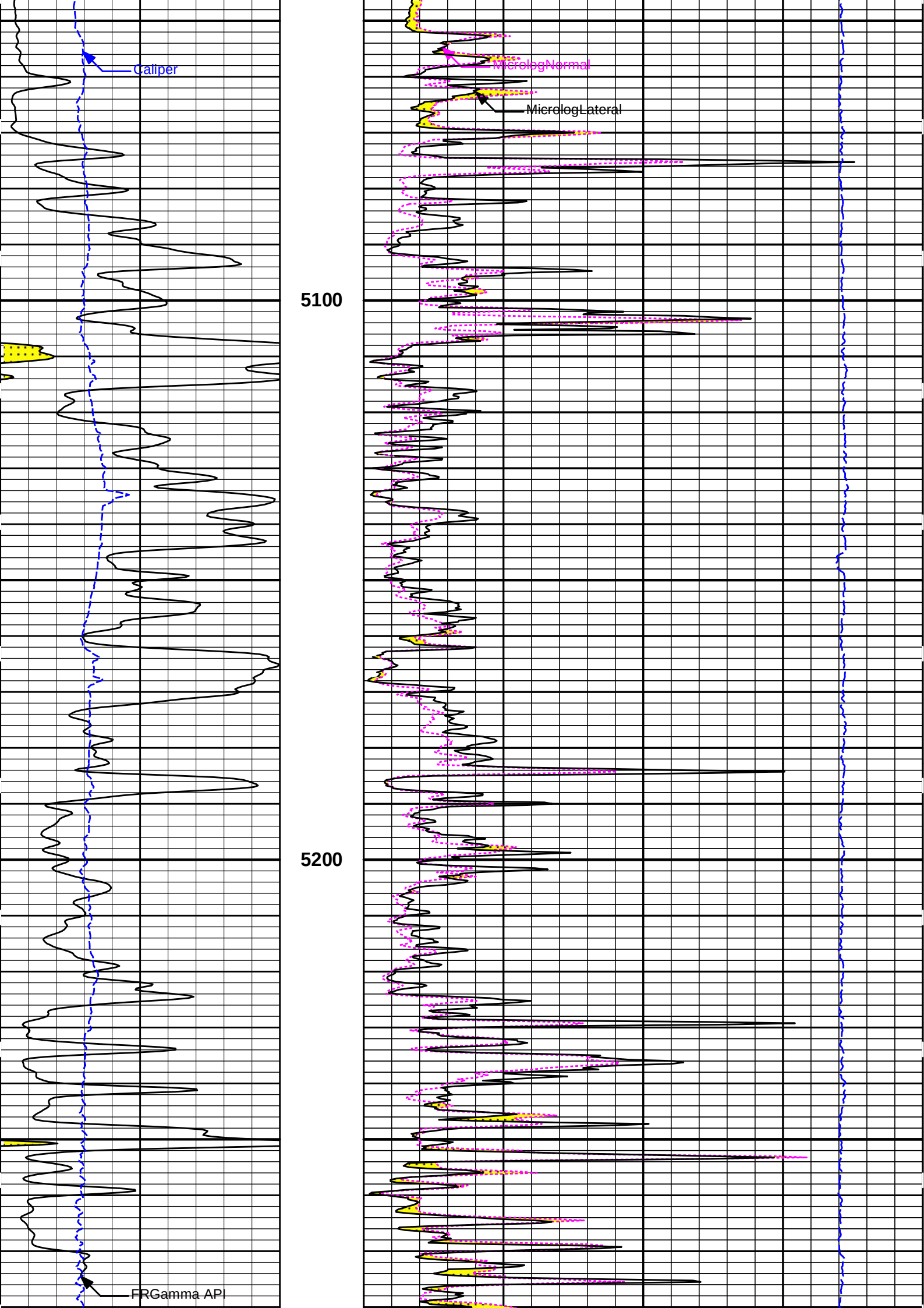
4400
4500
GammaAPI
Caliper
MicrologNormal


Caliper
MicrologLateral
4600
4700
4800
Gamma API


Caliper
Microloginormal
MicrologLateral
4900
5000
Gamma API


Caliper
MicrologNormal
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5100
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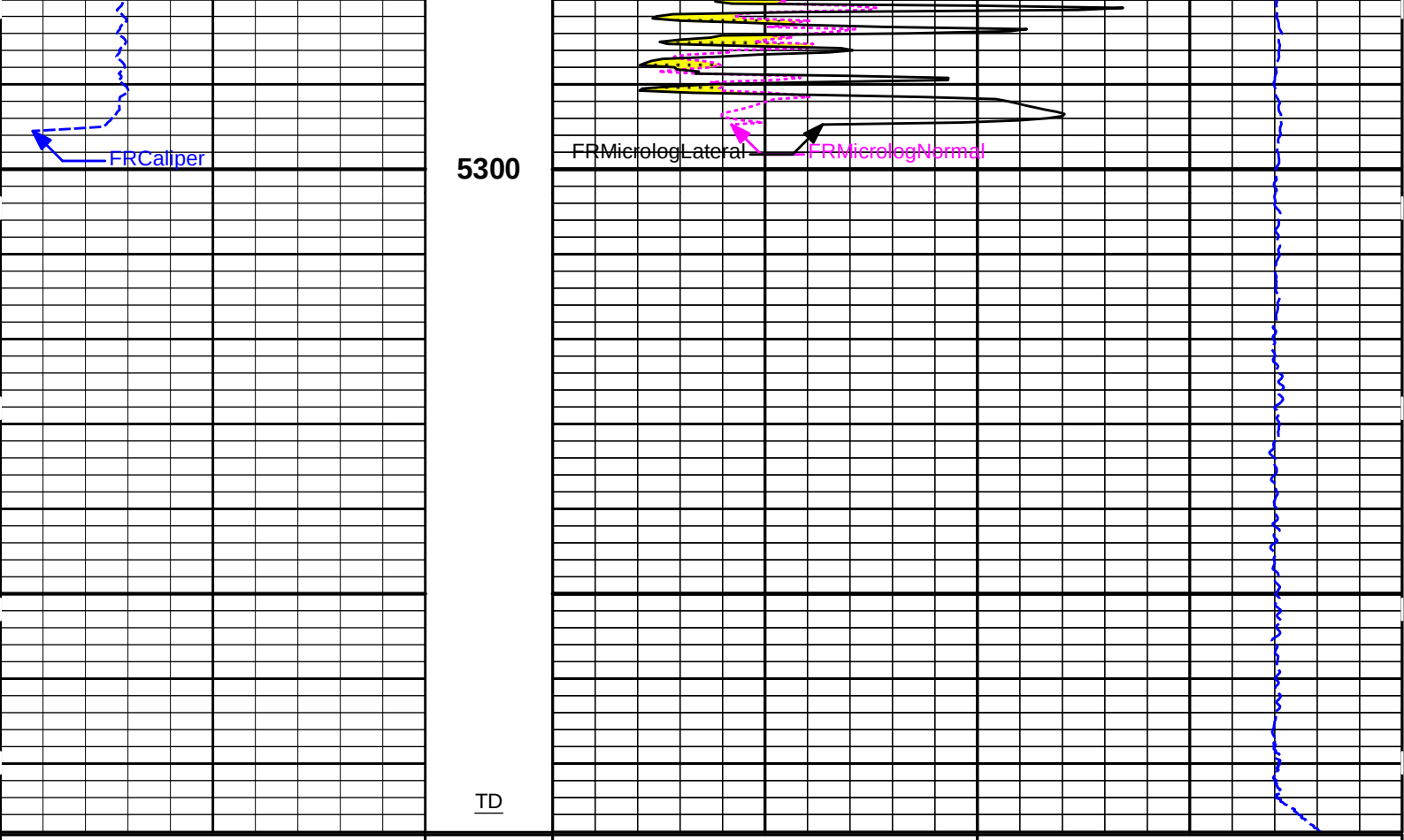
FRGamma API



6 Caliper 16 inches	1 : 240 ft	15K Tension 0 pounds
0 Gamma API 150 api		0 MicrologLateral 40 ohm-metre 0 MicrologNormal 40 ohm-metre

HALLIBURTON

Plot Time: 05-Oct-17 09:39:04
Plot Range: 312 ft to 5378.08 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-004\
Plot File: \\-LOCAL-\DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\ML\Microlog_IQ_5_main

5 INCH MAIN LOG

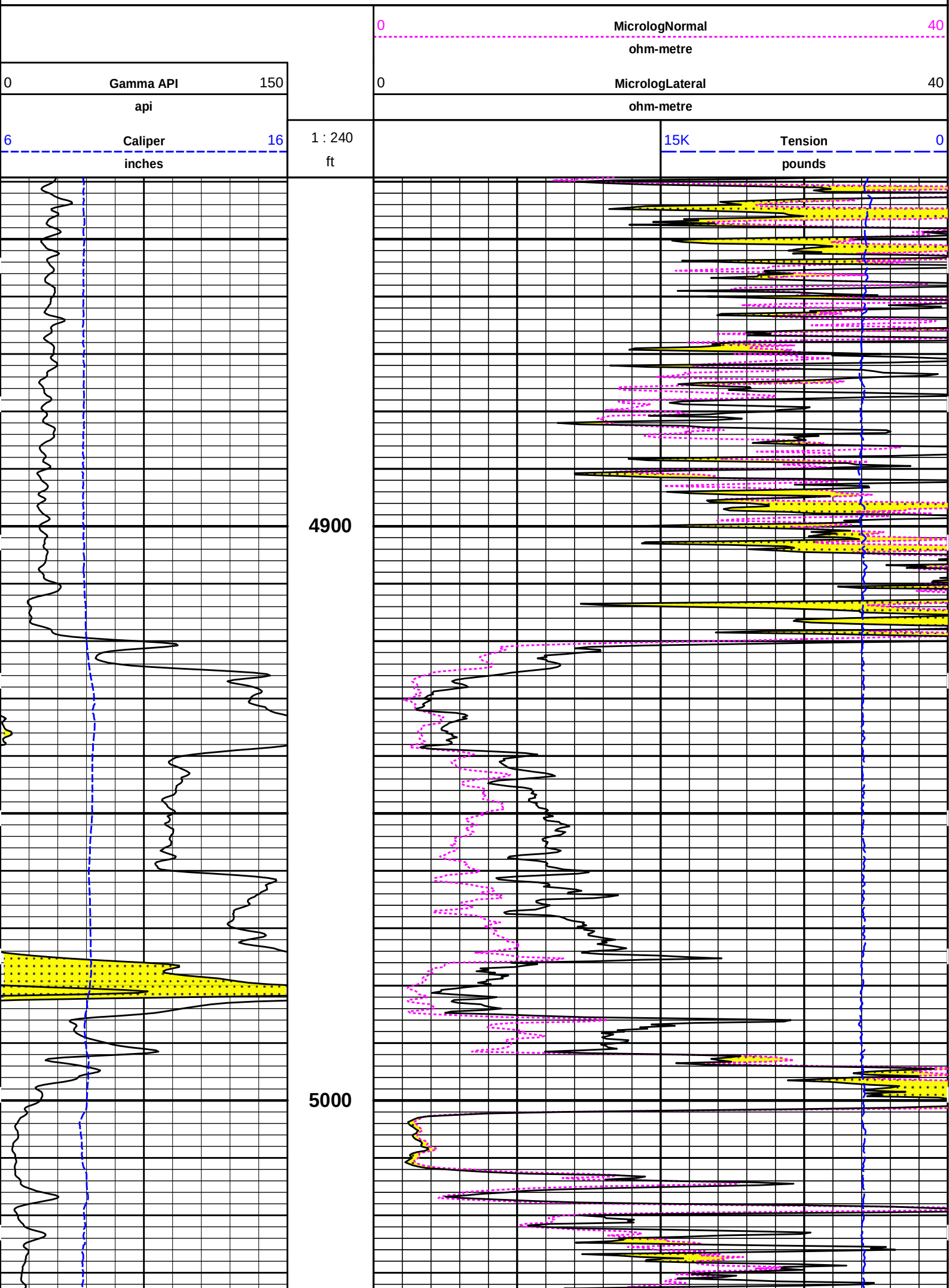
MAIN LOG 5" PER 100'

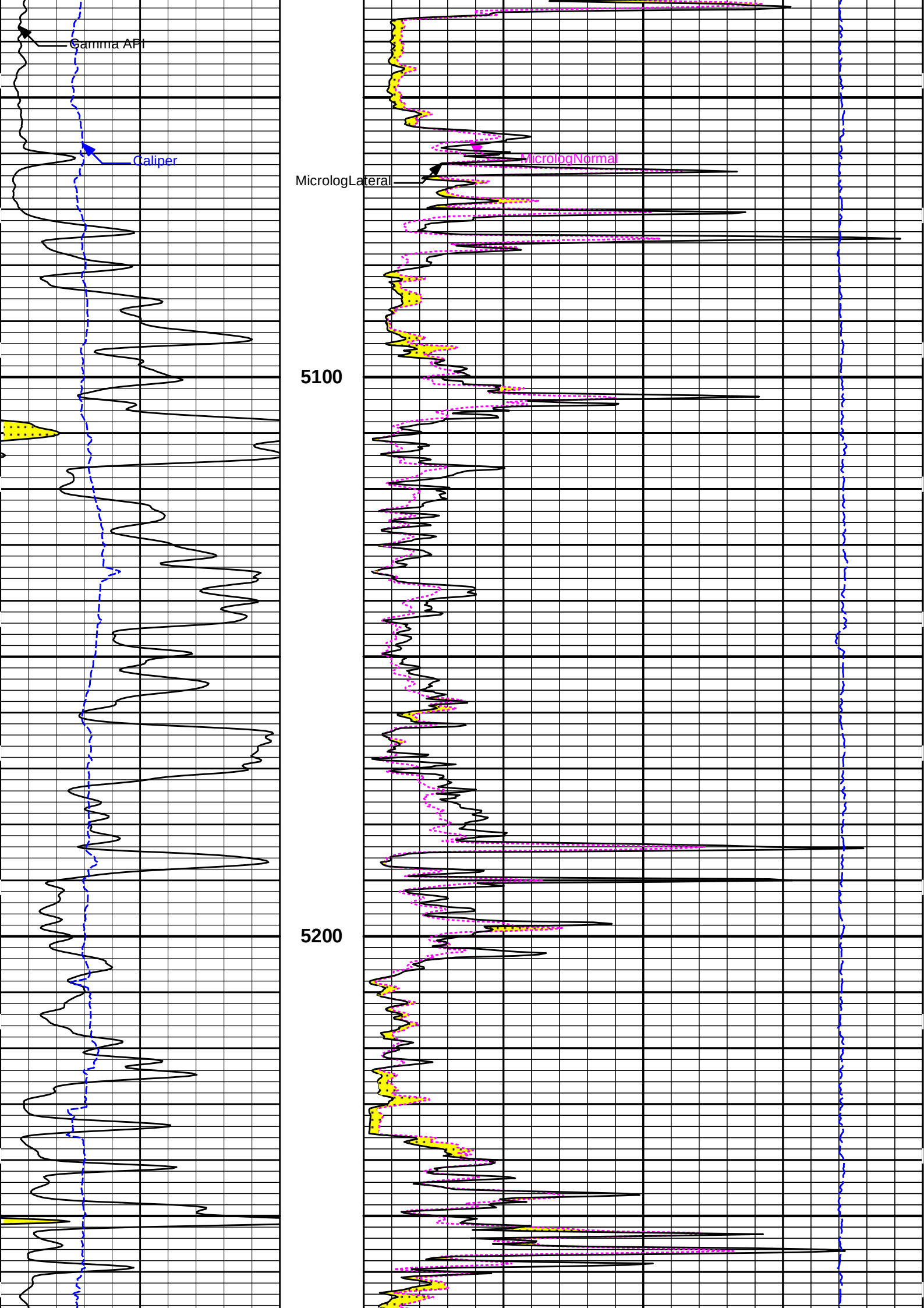
HALLIBURTON

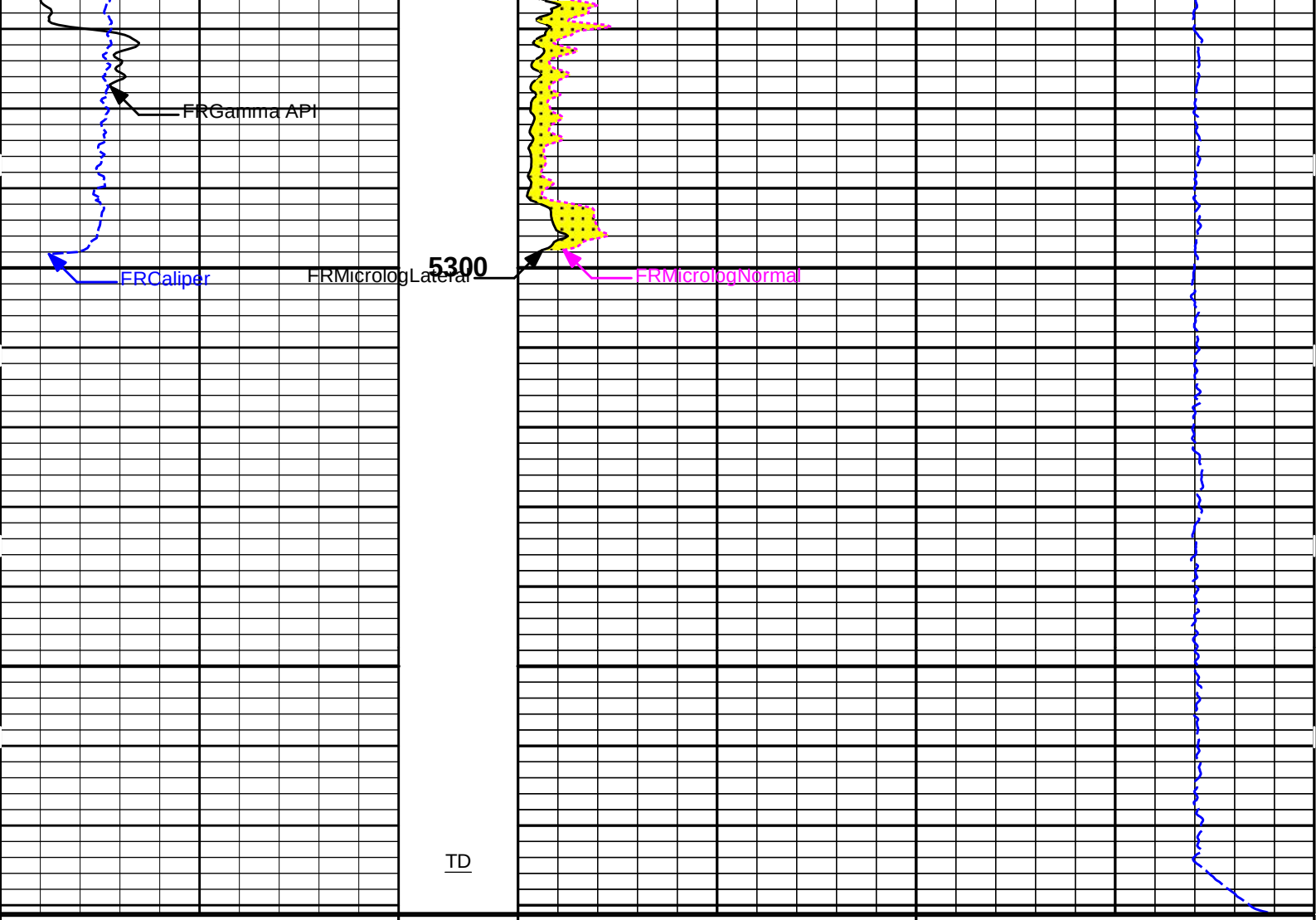
Plot Time: 05-Oct-17 09:39:04
Plot Range: 4839.25 ft to 5381 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-003\
Plot File: \\-LOCAL-\DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\ML\Microlog_IQ_5_main

REPEAT SECTION

REPEAT SECTION


0
Gamma API
150
api
6
Caliper
16
inches
1 : 240
ft
0
MicrologNormal
40
ohm-metre
0
MicrologLateral
40
ohm-metre
15K
Tension
0
pounds
4900
5000


Gamma API
Caliper
MicrologLateral
MicrologNormal
5100
5200



6 Caliper 16 inches	1 : 240 ft	15K Tension 0 pounds
0 Gamma API 150 api		0 MicrologLateral 40 ohm-metre
		0 MicrologNormal 40 ohm-metre

HALLIBURTON

Plot Time: 05-Oct-17 09:39:06
Plot Range: 4839.25 ft to 5381 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-003\
Plot File: \\-LOCAL-\DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\ML\Microlog_IQ_5_main

REPEAT SECTION

REPEAT SECTION

HALLIBURTON

CALIBRATION REPORT

SURFACE TENSION SHOP CALIBRATION

Tool Name:	Depth Panel - PROT01	Reference Calibration Date:	07-Sep-17 10:42:25
Engineer:	MICHAEL RICHTER	Calibration Date:	01-Oct-17 13:42:57

Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**

SURFACE TENSION LOAD CELL				
Measurement	**Load Cell Value**	**Measurement**	**Calibrated**	**Units**
Low	10816.53	58.43	0.00	lbs
High	17331.66	7897.67	7830.00	lbs

DOWNHOLE TENSION SHOP CALIBRATION

Tool Name:	**CH_HOS - CH_HOS_I**	**Reference Calibration Date:**	**01-Oct-17 13:46:35**
Engineer:	**WHITLOCK**	**Calibration Date:**	**05-Oct-17 02:55:06**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**

DOWNHOLE LOAD CELL				
Measurement	**Tool Value**	**Measurement**	**Calibrated**	**Units**
Low	-480.42	44.31	0.00	lbs
High	7781.74	2741.47	2250.00	lbs

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:	**GTET - 11021139**	**Reference Calibration Date:**	**03-Aug-17 01:40:19**
Engineer:	**WHITLOCK**	**Calibration Date:**	**23-Sep-17 12:22:06**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**

Calibrator Source S/N: TB79
Calibrator API Reference:222.00 api
Equivalent Calibrator API Reference:225.9 api

Measurement	Measured	Calibrated	Units
Background	18.8	18.6	api
Background + Calibrator	247.0	244.5	api
Calibrator	228.2	225.9	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:	**GTET - 11021139**	**Reference Calibration Date:**	**23-Sep-17 12:22:06**
Engineer:	**WHITLOCK**	**Calibration Date:**	**04-Oct-17 10:26:06**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**

Calibrator Source S/N: TB79
Calibrator API Reference:222.00 api
Equivalent Calibrator API Reference:225.9 api

Field Verification	Shop	Field	Units
Background	18.6	20.9	api
Background + Calibrator	244.5	245.7	api
Calibrator	225.9	224.8	api

Shop	Field	Difference	Tolerance
225.9	224.8	1.1	+/- 9.00

DUAL SPACED NEUTRON SHOP CALIBRATION

Tool Name:	**DSNT - 11020487**	**Reference Calibration Date:**	**05-Jun-17 14:14:28**
Engineer:	**MICHAEL RICHTER**	**Calibration Date:**	**03-Aug-17 01:56:12**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**

Logging Source S/N: DSN-436
Tank Serial Number: EL RENO
Reference value assigned to Tank: 56.100
Snow Block S/N: 12156883
Calibration Tank Water Temperature: 72 degF
Min. Tool Housing Outside Diameter: 3.625 in

CALIBRATION CONSTANTS

Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	0.99837	0.99685	0.900 - 1.100

WATER TANK SUMMARY (Horizontal Water Tank)				
Measurement	Current Reading (Previous Coef.)	Calibrated (New Coef.)	Change	Control Limit On Change
Porosity (decp):	0.2363	0.2358	0.0005	+/- 0.0020
Calibrated Ratio:	10.5757	10.5596	0.016	+/- 0.050

VERIFIER		
Measurement	Value	Control Limit
Snow-Block Porosity (decp):	0.0746	0.02000 - 0.09000

PASS/FAIL SUMMARY	
Background Check:	Passed
Gain-Range Check:	Passed
Snow-Block Check:	Passed

DUAL SPACED NEUTRON FIELD CALIBRATION

Tool Name: DSNT - 11020487 **Reference Calibration Date:** 03-Aug-17 01:56:12

Engineer: WHITLOCK **Calibration Date:** 04-Oct-17 10:36:11

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

Logging Source S/N: DSN-436

Snow Block S/N: 12156883

NEUTRON FIELD-CHECK SUMMARY				
	Shop	Field	Difference	Control Limit On Change
Snow-Block Porosity (decp):	0.0746	0.0691	-0.0054	+/- 0.0150

PASS/FAIL SUMMARY	
Block Change Check:	Passed
Snow Block Stat Check:	Passed
Temperature Check:	Passed

DENSITY CALIPER SHOP CALIBRATION

Tool Name: SDLT - 11014296 **Reference Calibration Date:** 06-Nov-16 12:09:13

Engineer: MICHAEL RICHTER **Calibration Date:** 15-Mar-17 09:33:53

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

Host Tool Name: DSNT - 11020487

CALIBRATION COEFFICIENTS			
Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-4335.63	-4512.85	-7000.00 - -1000.00
Pad Gain	0.0003910	0.0004190	0.0002000 - 0.0006000
Arm Offset	-3121.03	-2559.45	-5000.00 - 3000.00
Arm Gain	0.0005117	0.0005078	0.000300 - 0.000700
Arm Power	-0.000003980	-0.000003959	-0.000010000 - 0.000010000

The ring diameter is computed from: DIAMETER = PAD EXTENSION + ARM EXTENSION + TOOL DIAMETER

Tool Diameter: 4.50 in

CALIBRATION RINGS				
Measurement	Current Reading (Previous Coeff.)	Calibrated (New Coeff.)	Change	Control Limit On New Value
PAD EXTENSION:				
Small Ring (in)	1.94	2.00	0.06	+/- 0.20
Medium Ring (in)	3.57	3.75	0.18	+/- 0.20

RING DIAMETER:				
Small Ring (in)	6.31	6.50	0.19	+/- 0.20
Medium Ring (in)	8.08	8.25	0.17	+/- 0.20
Large Ring (in)	14.92	15.00	0.08	+/- 0.20

PASS/FAIL SUMMARY	
Calibration-Coefficients Range Check:	Passed
Ring-Measurement Check:	Passed

PASS/FAIL SUMMARY	
Calibration-Coefficients Range Check:	Passed

SDLT CALIPER FIELD CALIBRATION

Tool Name: SDLT - 11014296 **Reference Calibration Date:** 15-Mar-17 09:33:53

Engineer: WHITLOCK **Calibration Date:** 04-Oct-17 10:11:22

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

MEASURED CALIPER VALUES

Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.84	0.09	+/- 0.10
Ring Diameter	8.25	8.31	0.06	+/- 0.15

PASS/FAIL SUMMARY	
Pad Extension Check:	Passed
Diameter Check:	Passed

ICT SHOP CALIBRATION

Tool Name: ICT Mandrel - 11019427 **Reference Calibration Date:** 13-Mar-17 09:40:53

Engineer: WHITLOCK **Calibration Date:** 18-Jul-17 15:19:04

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

CALIPERS AND RINGS

Ring	Measured	Calibrated	Units
CALIPER 1:			
Small Ring	3.66	3.65	in
Medium Ring	7.95	8.00	in
Large Ring	14.93	15.00	in
X-Large Ring	20.97	21.00	in
CALIPER 2:			
Small Ring	3.61	3.65	in
Medium Ring	7.93	8.00	in
Large Ring	14.88	15.00	in
X-Large Ring	20.97	21.00	in
CALIPER 3:			
Small Ring	3.56	3.65	in
Medium Ring	7.98	8.00	in
Large Ring	14.88	15.00	in
X-Large Ring	20.99	21.00	in
CALIPER 4:			
Small Ring	3.61	3.65	in
Medium Ring	8.12	8.00	in
Large Ring	15.14	15.00	in
X-Large Ring	21.13	21.00	in
CALIPER 5:			
Small Ring	3.67	3.65	in
Medium Ring	8.17	8.00	in
Large Ring	15.15	15.00	in
X-Large Ring	21.07	21.00	in
CALIPER 6:			

Small Ring	3.71	3.65	in
Medium Ring	7.97	8.00	in
Large Ring	14.91	15.00	in
X-Large Ring	21.02	21.00	in

ICT FIELD CALIBRATION

Tool Name: ICT Mandrel - 11019427 **Reference Calibration Date:** 18-Jul-17 15:19:04

Engineer: WHITLOCK **Calibration Date:** 18-Jul-17 15:21:59

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

CALIPERS

Caliper	Shop	Field	Units
Caliper 1	8.00	7.99	in
Caliper 2	8.00	8.01	in
Caliper 3	8.00	8.04	in
Caliper 4	8.00	7.94	in
Caliper 5	8.00	7.89	in
Caliper 6	8.00	7.94	in

ACCELEROMETER AND MAGNETOMETER SHOP CALIBRATION

Tool Name: IDT - 10967514 **Reference Calibration Date:** 10-Nov-14 11:33:34

Engineer: COTHREN **Calibration Date:** 14-Dec-16 12:26:23

Software Version: WL INSITE R4.6.4 (Build 3) **Calibration Version:** 1

Reference Gravity Field: 1.0000 g

Reference Magnetic Field: 51335.0000 nT

* QF : value of 0 is shown for bad quality if | data - reference | > (2 * standard deviation) and > (0.5% of reference value)

ACCELEROMETER CALIBRATION RAW DATA VALUE

Raw Acc X	Raw Acc Y	Raw Acc Z	Quality(Gravity)	Quality Error(%)	QF
0.1268	-0.7113	-0.0141	0.9994	99.9424	1
-0.7403	-0.0252	-0.0129	0.9992	99.9235	1
-0.0432	0.7420	-0.0113	1.0003	99.9746	1
0.7158	0.0658	-0.0112	0.9999	99.9905	1
-0.0175	0.7407	-0.0100	0.9977	99.7671	1
-0.2114	0.6948	0.0680	1.0009	99.9141	1
0.0781	0.7377	-0.0090	1.0012	99.8774	1
0.7151	0.0759	-0.0091	1.0001	99.9870	1
0.0491	-0.7229	-0.0102	1.0006	99.9353	1
-0.7344	0.1122	-0.0101	1.0002	99.9807	1
-0.1668	0.0184	0.3437	0.9999	99.9925	1
-0.7176	0.0946	-0.1010	1.0005	99.9493	1

ACCELEROMETER QUALITY SUMMARY

Average Calculated Gravity Field	1.0000	g
Standard Deviation Calculated Gravity Field	0.0009	g

ACCELEROMETER GAIN AND OFFSET

	GAIN	OFFSET
ACC X	1.3699508905	0.0160978194
ACC Y	1.3627022505	-0.0118573820
ACC Z	2.7102901936	0.0454349816

* QF : value of 0 is shown for bad quality if | data - reference | > (3 * standard deviation) and > (1% of reference value)

MAGNETOMETER CALIBRATION RAW DATA VALUE

Raw Mag X	Raw Mag Y	Raw Mag Z	Quality(Magnetic)	Quality Error(%)	QF
0.3189	1.2136	-0.0366	51305.3477	99.9422	1
1.1457	-0.4995	-0.0357	51326.3047	99.9831	1

-0.4790	-1.1617	-0.0382	51247.0586	99.8287	1
-1.1473	0.4544	-0.0380	51335.7422	99.9986	1
-0.0417	-1.1452	0.5204	51472.4219	99.7323	1
0.3664	-1.1738	-0.2978	51207.5703	99.7518	1
-0.0956	-1.1427	-0.5514	51429.5430	99.8158	1
-1.1056	-0.1453	-0.5516	51324.2305	99.9790	1
-0.1284	1.1286	-0.5495	51366.8320	99.9380	1
1.1259	-0.1261	-0.5477	51451.1289	99.7738	1
0.6240	-0.3637	1.0059	51288.5703	99.9096	1
0.9562	-0.0795	-0.8158	51261.5703	99.8570	1

MAGNETOMETER QUALITY SUMMARY		
Average Calculated Magnetic Field	51334.6953	nT
Standard Deviation Calculated Magnetic Field	82.5240	nT

MAGNETOMETER GAIN AND OFFSET		
	GAIN	OFFSET
MAG X	41430.1796875000	-265.9770507813
MAG Y	40740.3945312500	197.8235168457
MAG Z	41000.8906250000	735.6057739258

Noise Level Value: 0.000803 cnts

Noise Level Cal Value: 0.0022 g

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name:	**ACRt Sonde - 11038385**	**Reference Calibration Date:**	**12-Sep-17 13:48:00**
Engineer:	**JORGE ORLANDO PEREZ**	**Calibration Date:**	**12-Sep-17 13:58:19**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**
Host Tool Name:	**ACRt Instrument - 11055059**		

TYPICAL GAIN RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.0395	1.05	0.95	1.0229	1.05	0.95	1.0146	1.05
A2 (50")	0.95	1.0409	1.05	0.95	1.0225	1.05	0.95	1.0165	1.05
A3 (29")	0.95	1.0384	1.05	0.95	1.0194	1.05	0.95	1.0115	1.05
A4 (17")	0.95	1.0343	1.05	0.95	1.0133	1.05	0.95	1.0069	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.0083	1.05	0.95	0.9989	1.05
A6 (6")	N/A	N/A	N/A	0.95	1.0000	1.05	0.95	0.9929	1.05

SONDE OFFSET

Subarray	R12KHz	R36KHz	R72KHz
	(mmho/m)	(mmho/m)	(mmho/m)
A1 (80")	0.702	-4.637	-5.501
A2 (50")	-0.771	-4.034	-5.172
A3 (29")	-13.230	-3.699	-3.350
A4 (17")	-110.240	-33.969	-26.356
A5 (10")	N/A	-83.665	-41.621
A6 (6")	N/A	333.771	173.557

TRANSMITTER CURRENT GAIN

Signal	Lower	R	Upper
12K	0.6	0.90	1.3
36K	1.0	1.36	2.0
72K	1.0	1.62	2.0

R-MUD VERIFICATION

Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
Mud Cell	0.95	1.00	1.05

PASS/FAIL SUMMARY	
GAIN RANGE CHK	PASS
SONDE OFFSET CHK	PASS

TOOL OK TO LOG

QUALITY CHECK SHOP CALIBRATION

Tool Name:	**ACRt Sonde - 11038385**	**Reference Calibration Date:**	**12-Sep-17 13:59:44**
Engineer:	**JORGE ORLANDO PEREZ**	**Calibration Date:**	**12-Sep-17 14:00:57**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**
Host Tool Name:	**ACRt Instrument - 11055059**		

STANDARD DEVIATIONS

	R12KHz			R36KHz			R72KHz		
	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail
A1 (80")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A2 (50")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A3 (29")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A4 (17")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A5 (10")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A6 (6")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass

AVERAGES

	R12KHz			R36KHz			R72KHz		
	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail
A1 (80")	0.000	< 0.500	Pass	-0.001	> -0.500	Pass	-0.006	> -0.500	Pass
A2 (50")	0.000	< 0.500	Pass	-0.001	> -0.500	Pass	-0.005	> -0.500	Pass
A3 (29")	-0.000	< 0.500	Pass	-0.001	> -0.500	Pass	-0.003	> -0.500	Pass
A4 (17")	-0.003	> -0.500	Pass	-0.008	> -0.500	Pass	-0.027	> -0.500	Pass
A5 (10")	-0.012	> -0.500	Pass	-0.020	> -0.500	Pass	-0.043	> -0.500	Pass
A6 (6")	0.015	< 0.500	Pass	0.074	< 0.500	Pass	0.160	< 0.500	Pass

GAIN TOLERANCE

R12KHz

	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail
A1 (80")	-223155904.000	-223150640.000	5264.000	11157532.000	Pass
A2 (50")	-220713888.000	-220710416.000	3472.000	11035520.800	Pass
A3 (29")	-216614880.000	-216612000.000	2880.000	10830600.000	Pass
A4 (17")	-214578320.000	-214578224.000	96.000	10728911.200	Pass
A5 (10")	-214986432.000	-214982096.000	4336.000	10749104.800	Pass
A6 (6")	-214394544.000	-214391936.000	2608.000	10719596.800	Pass

R36KHz

	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail
A1 (80")	60628184.000	60610992.000	17192.000	3030549.600	Pass
A2 (50")	62049960.000	62033248.000	16712.000	3101662.400	Pass
A3 (29")	53214172.000	53197224.000	16948.000	2659861.200	Pass
A4 (17")	50561756.000	50544860.000	16896.000	2527243.000	Pass
A5 (10")	52600244.000	52584856.000	15388.000	2629242.800	Pass
A6 (6")	50656572.000	50641704.000	14868.000	2532085.200	Pass

R72KHz

	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail
A1 (80")	-92698504.000	-92694664.000	3840.000	4634733.200	Pass

A2 (50")	-89662344.000	-89657152.000	5192.000	4482857.600	Pass
A3 (29")	-89109216.000	-89105528.000	3688.000	4455276.400	Pass
A4 (17")	-84842648.000	-84836840.000	5808.000	4241842.000	Pass
A5 (10")	-83337800.000	-83332480.000	5320.000	4166624.000	Pass
A6 (6")	-84561904.000	-84554136.000	7768.000	4227706.800	Pass

PASS/FAIL SUMMARY	
Std Deviation Verification	Pass
Average Verification	Pass
Gain Tolerance Verification	Pass

MICRO LOG SHOP CALIBRATION

Tool Name: Microlog Pad - 11014296
Reference Calibration Date: 06-Jun-17 12:12:34
Engineer: MICHAEL RICHTER
Calibration Date: 03-Aug-17 02:26:45
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1
Host Tool Name: DSNT - 11020487

CALIBRATION COEFFICIENT SUMMARY

Measurement	Micro Log Normal		Micro Log Lateral		
	Measured	Calibrated	Measured	Calibrated	Units
Tool Zero	-0.21	-0.43	-0.01	0.00	ohmm
Calibration Point #1	0.23	0.00	-0.01	0.00	ohmm
Calibration Point #2	20.26	20.00	20.00	20.00	ohmm
Internal Reference	19.85	19.59	20.01	20.01	ohmm

Measurement	Micro Log Normal Tool Value	Micro Log Lateral Tool Value	Units
Tool Zero	-0.14	-1.30	V
Calibration Point #1	115.47	-2.05	V
Calibration Point #2	5448.88	6908.76	V
Internal Reference	5338.32	6913.91	V

MICRO LOG FIELD CHECK

Tool Name: Microlog Pad - 11014296
Reference Calibration Date: 03-Aug-17 02:26:45
Engineer: WHITLOCK
Calibration Date: 04-Oct-17 10:56:14
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1

Measurement	Micro Log Normal		Micro Log Lateral		
	Shop	Field	Shop	Field	Units
Tool Zero	-0.43	-0.44	0.00	0.01	ohmm
Internal Reference	19.59	19.46	20.01	19.88	ohmm

Summary

Signal	Shop	Field	Difference	Tolerence
Microlog Normal	19.59	19.46	0.13	+/- 0.80
Microlog Lateral	20.01	19.88	0.13	+/- 0.80

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name: SDLT Pad - 10809130
Reference Calibration Date: 25-May-17 12:11:12
Engineer: MICHAEL RICHTER
Calibration Date: 03-Aug-17 02:19:19
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1

Logging Source S/N: 5155GW

Aluminum Block S/N: EL RENO	Density: 2.581g/cc	Pe: 3.170
Magnesium Block S/N: EL RENO MG	Density: 1.687g/cc	Pe: 2.594

DENSITY CALIBRATION SUMMARY

Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	1.0466	0.9648	0.90 - 1.10
Near Dens Gain	1.0202	0.9664	0.90 - 1.10
Near Peak Gain	1.0587	0.9808	0.90 - 1.10
Near Lith Gain	1.0474	0.9899	0.90 - 1.10
Far Bar Gain	1.0144	1.0063	0.90 - 1.10
Far Dens Gain	1.0018	0.9910	0.90 - 1.10
Far Peak Gain	0.9968	0.9885	0.90 - 1.10
Far Lith Gain	0.9703	0.9595	0.90 - 1.10
Near Bar Offset	-0.1512	0.5881	NONE
Near Dens Offset	0.0840	0.5517	NONE
Near Peak Offset	-0.2272	0.4091	NONE
Near Lith Offset	-0.1986	0.2702	NONE
Far Bar Offset	0.0686	0.1331	NONE
Far Dens Offset	0.1508	0.2380	NONE
Far Peak Offset	0.1449	0.2044	NONE
Far Lith Offset	0.2786	0.3450	NONE
Near Bar Background	815.93	813.79	700 - 1450
Near Dens Background	269.20	265.74	230 - 480
Near Peak Background	115.80	115.36	100 - 210
Near Lith Background	146.10	144.32	125 - 260
Far Bar Background	479.68	477.53	450 - 900
Far Dens Background	184.50	185.37	175 - 345
Far Peak Background	72.51	72.20	70 - 140
Far Lith Background	76.60	75.50	75 - 145

CALIBRATION BLOCK SUMMARY

Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.689	1.687	-0.002	+/- 0.015
Pe	2.521	2.561	0.040	+/- 0.150
ALUMINUM				
Density (g/cc)	2.574	2.580	0.006	+/- 0.01500
Pe	3.085	3.134	0.049	+/- 0.150

TOOL SUMMARY

Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	0.0002	+/- 0.0110	-0.0029	+/- 0.0140
Magnesium Block	-0.0013	+/- 0.0110	-0.0010	+/- 0.0140
Aluminum Block	-0.0009	+/- 0.0110	-0.0014	+/- 0.0140
Resolution	8.91	6.00 - 11.50	9.49	6.00 - 11.50
Internal Verifier(B+D+P+L)	1339	1200 - 2700	811	800 - 1700

PASS/FAIL SUMMARY

Background Quality Check:	Passed
Background Range Check:	Passed
Background Resolution Check:	Passed
Background Verification Check:	Passed
Magnesium Quality Check:	Passed
Aluminum Quality Check:	Passed
Gains Check:	Passed
Changes in Calibration Blocks:	Passed

SPECTRAL DENSITY FIELD CHECK

Tool Name:	**SDLT Pad - 10809130**	**Reference Calibration Date:**	**03-Aug-17 02:19:19**
Engineer:	**WHITLOCK**	**Calibration Date:**	**04-Oct-17 11:00:05**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**

Pad Temperature: 70.0 degF

DENSITY FIELD CALIBRATION SUMMARY

Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1339.219	1341.398	2.179	14.801
Far (B+D+P+L) cps	810.608	809.039	-1.569	15.737
Near Resolution	8.91	8.94	0.030	0.50
Far Resolution	9.49	9.33	-0.160	1.00

PASS/FAIL SUMMARY

Bkg Quality Check:	Passed
Bkg Resolution Check:	Passed
Bkg Verification Check:	Passed

CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
Depth Panel-PROT01						
Tension Zero	0.00	----------	----------	0.00	----------	lbs
Tension Cal	7830.00	----------	----------	0.00	----------	lbs
CH_HOS-CH_HOS_I						
DH Tension Zero	0.00	----------	----------	0.00	----------	lbs
DH Tension Cal	2250.00	----------	----------	0.00	----------	lbs
GTET-11021139						
Gamma Ray Calibrator	225.9	224.8	----------	1.1	+/- 9.00	api
DSNT-11020487						
Snow-Block Porosity	0.0746	0.0691	----------	0.0055	+/- 0.0150	decp
SDLT-11014296						
Pad Extension	3.75	3.84	----------	-0.09	+/-0.10	in
Ring Diameter	8.25	8.31	----------	-0.06	+/-0.15	in
ICT Mandrel-11019427						
Caliper 1	8.00	7.99	----------	0.01	+/-0.25	in
Caliper 2	8.00	8.01	----------	-0.01	+/-0.25	in
Caliper 3	8.00	8.04	----------	-0.04	+/-0.25	in
Caliper 4	8.00	7.94	----------	0.06	+/-0.25	in
Caliper 5	8.00	7.89	----------	0.11	+/-0.25	in
Caliper 6	8.00	7.94	----------	0.06	+/-0.25	in
ACRt Sonde-11038385						
Mud Cell	1.00	----------	----------	0	----------	ohm-m
Microlog Pad-11014296						
MicroLog Normal	19.59	19.46	----------	0.13	+/-0.80	ohmm
MicroLog Lateral	20.01	19.88	----------	0.13	+/-0.80	ohmm
SDLT Pad-10809130						
Near(B+D+P+L)	1339.219	1341.398	----------	-2.179	+/-14.801	cps
Far(B+D+P+L)	810.608	809.039	----------	1.569	+/-15.737	cps

Data: DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\IDLE **Date: 05-Oct-17 02:55:28**

HALLIBURTON

PARAMETERS REPORT

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP					
	SHARED	BS	Bit Size	8.750	in
	SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No	
	SHARED	MDBS	Mud Base	Water	
	SHARED	MDWT	Borehole Fluid Weight	9.100	ppg
	SHARED	WAGT	Weighting Agent	Barite	
	SHARED	BSAL	Borehole salinity	0.00	ppm
	SHARED	FSAL	Formation Salinity NaCl	0.00	ppm
	SHARED	KPCT	Percent K in Mud by Weight?	0.00	%
	SHARED	RMUD	Mud Resistivity	2.000	ohmm
	SHARED	TRM	Temperature of Mud	75.0	degF
	SHARED	CSD	Logging Interval is Cased?	No	
	SHARED	ICOD	AHV Casing OD	7.000	in
	SHARED	CSTR	Compressive Strength	1000.00	psia
	SHARED	ST	Surface Temperature	75.0	degF
	SHARED	TD	Total Well Depth	5400.00	ft
	SHARED	BHT	Bottom Hole Temperature	130.0	degF
	SHARED	SVTM	Navigation and Survey Master Tool	IDT	
	SHARED	AZTM	High Res Z Accelerometer Master Tool	IDT	
	SHARED	TEMM	CBM Temperature Master Tool	GTET	
	Rwa / CrossPlot	XPOK	Process Crossplot?	Yes	
	Rwa / CrossPlot	FCHO	Select Source of F	Automatic	
	Rwa / CrossPlot	AFAC	Archie A factor	0.6200	
	Rwa / CrossPlot	MFAC	Archie M factor	2.1500	
	Rwa / CrossPlot	RMFR	Rmf Reference	0.10	ohmm
	Rwa / CrossPlot	TMFR	Rmf Ref Temp	75.00	degF
	Rwa / CrossPlot	RWA	Resistivity of Formation Water	0.05	ohmm
	Rwa / CrossPlot	ADP	Use Air Porosity to calculate CrossplotPhi	No	
	Rwa / CrossPlot	BHSM	Borehole Size Source Tool	ICT Mandrel	
	Rwa / CrossPlot	ROIN	Input for RO Calculation	Rwa	
	GTET	GROK	Process Gamma Ray?	Yes	
	GTET	GEOK	Process Gamma Ray EVR?	No	
	GTET	TPOS	Tool Position for Gamma Ray Tools.	Eccentered	
	GTET	BHSM	Borehole Size Source Tool	SDLT	
	DSNT	DNOK	Process DSN?	Yes	
	DSNT	DEOK	Process DSN EVR?	No	
	DSNT	NLIT	Neutron Lithology	Limestone	
	DSNT	DNSO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
	DSNT	DNTT	Temperature Correction Type	None	
	DSNT	DPRS	DSN Pressure Correction Type	None	
	DSNT	SHCO	View More Correction Options	No	
	DSNT	UTVD	Use TVD for Gradient Corrections?	No	
	DSNT	LHWT	Logging Horizontal Water Tank?	No	
	DSNT	BHSM	Borehole Size Source Tool	SDLT	
	SDLT	CLOK	Process Caliper Outputs?	Yes	
	Microlog Pad	MLOK	Process MicroLog Outputs?	Yes	
	SDLT Pad	DNOK	Process Density?	Yes	
	SDLT Pad	DNOK	Process Density EVR?	No	
	SDLT Pad	CB	Logging Calibration Blocks?	No	
	SDLT Pad	SPVT	SDLT Pad Temperature Valid?	Yes	
	SDLT Pad	DTWN	Disable temperature warning	No	
	SDLT Pad	DMA	Formation Density Matrix	2.710	g/cc

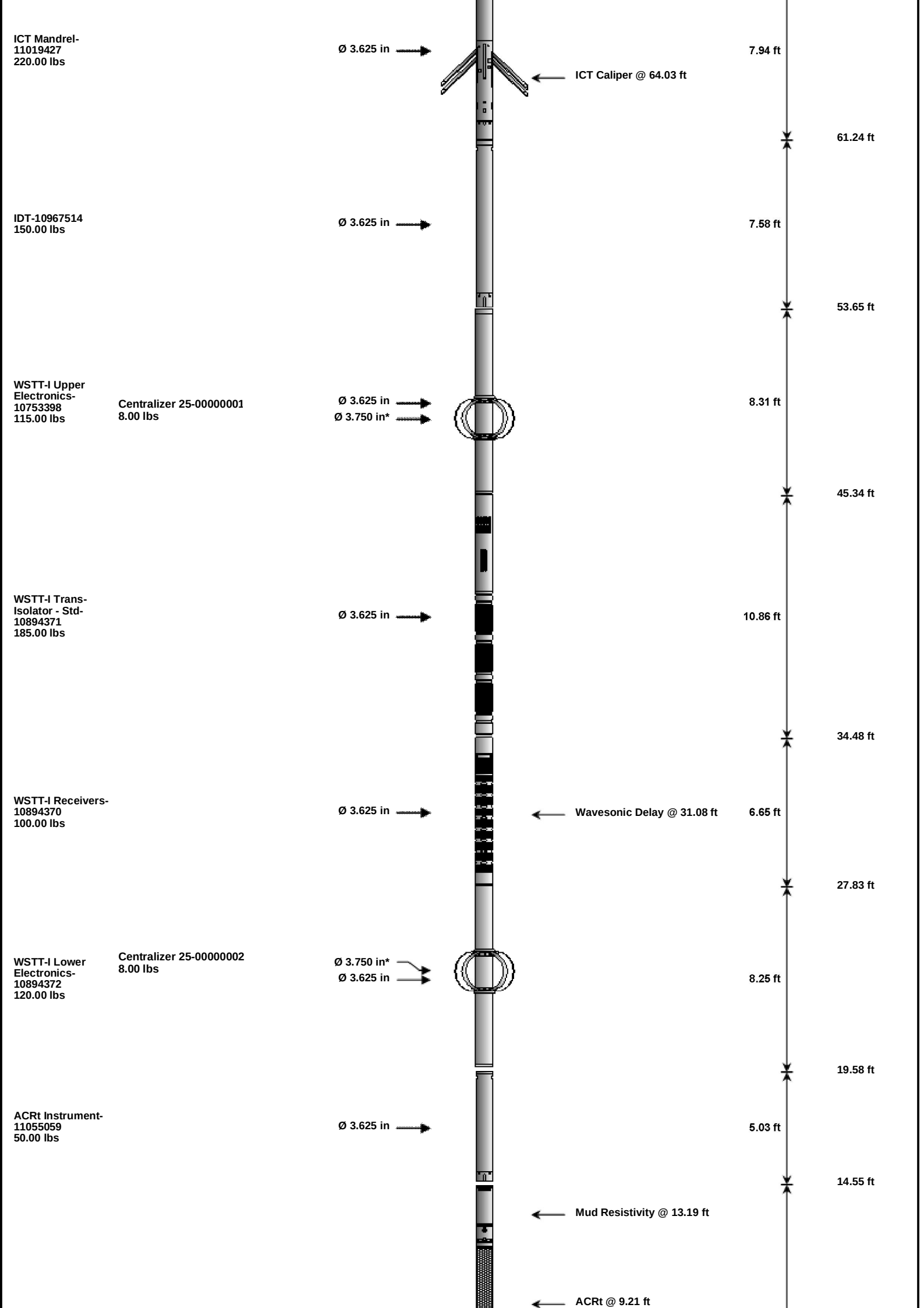
SDLT Pad	DFL	Formation Density Fluid	1.000	g/cc
SDLT Pad	BHSM	Borehole Size Source Tool	SDLT	
ICT Mandrel	CLOK	Process Caliper Outputs?	Yes	
ICT Mandrel	DARM	Disable Caliper Arm	No	
ICT Mandrel	ATDS	Arm To Disable	0	
ICT Mandrel	REPM	Method to replace arm?	Caliper Average	
ICT Mandrel	ARMV	Diameter to use for disabled arm	0.00	in
ICT Mandrel	DARM	Disable Second Caliper Arm	No	
ICT Mandrel	ATDS	Second Arm To Disable	0	
ICT Mandrel	REPM	Method to replace second arm?	Caliper Average	
ICT Mandrel	ARMV	Diameter to use for second disabled arm	0.00	in
ICT Mandrel	NAVS	Navigation Source Tool	IDT	
ICT Mandrel	CL1O	Radius 1 Offset	0.00	in
ICT Mandrel	CL2O	Radius 2 Offset	0.00	in
ICT Mandrel	CL3O	Radius 3 Offset	0.00	in
ICT Mandrel	CL4O	Radius 4 Offset	0.00	in
ICT Mandrel	CL5O	Radius 5 Offset	0.00	in
ICT Mandrel	CL6O	Radius 6 Offset	0.00	in
ICT Mandrel	BHVC	Radius type for borehole volume calcuations	Elliptical	
ICT Mandrel	CCL	Caliper Correction Algorithm	None	
IDT	WRTI	Survey Writing Interval	30	ft
IDT	SOPT	Smoothing Option	None	
WSTT-I Receivers	WSOK	Process WSTT?	Yes	
WSTT-I Receivers	AFIL	Adaptive Filtering?	No	
WSTT-I Receivers	PINT	Process 1 Sample and Skip	0	
WSTT-I Receivers	PROM	Process Mode: M=1,MX=2,MY=3,MXY=4	4	
WSTT-I Receivers	DTSH	Delta -T Shale	100.00	uspf
WSTT-I Receivers	DTMT	Delta -T Matrix Type	Limestone 47.6	
WSTT-I Receivers	DTMA	Delta -T Matrix	57.00	uspf
WSTT-I Receivers	DTFL	Delta -T Pore Fluid	189.00	uspf
WSTT-I Receivers	RHOM	Matrix Density	2.7100	g/cc
WSTT-I Receivers	RHOF	Fluid Density	1.0000	g/cc
WSTT-I Receivers	SMTH	Semblance Threshold	0.25	
WSTT-I Receivers	VPVS	VPVS Ratio for Porosity	1.40	
WSTT-I Receivers	APEQ	Acoustic Porosity Equation	Wylie	
WSTT-I Receivers	NAVS	Navigation Source Tool	IDT	
ACRt Sonde	RTOK	Process ACRt?	Yes	
ACRt Sonde	MNSO	Minimum Tool Standoff	1.50	in
ACRt Sonde	TCS1	Temperature Correction Source	FP Lwr & FP Upr	
ACRt Sonde	TPOS	Tool Position	Free Hanging	
ACRt Sonde	RMOP	Rmud Source	Mud Cell	
ACRt Sonde	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt Sonde	RMAX	Maximum Resistivity for MAP	200.00	ohmm
ACRt Sonde	THQY	Threshold Quality	0.50	
ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm
ACRt Sonde	BHSM	Borehole Size Source Tool	SDLT	
ACRt Sonde	MBFL	Apply Corkscrew Effect?	No	

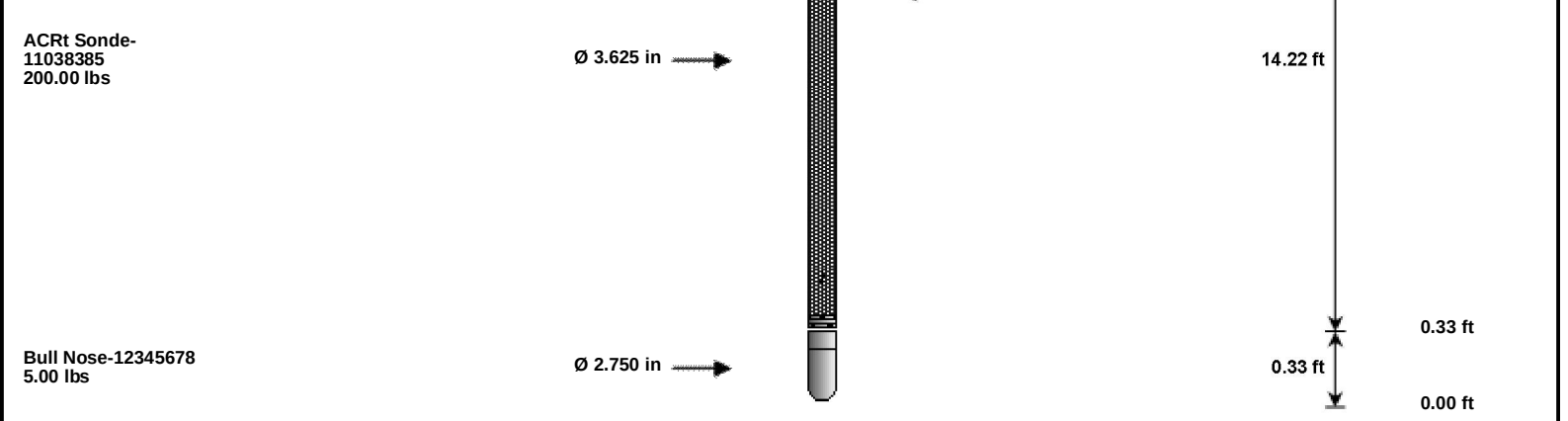
BOTTOM

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Sensors @ Delays	Length	Accumulated Length
			Temperature @ 115.43 ft		115.68 ft
CH_HOS_I 37.50 lbs		Ø 2.750 in		2.25 ft	
		Ø 2.750 in			113.43 ft
XOHD-11021555 20.00 lbs		Ø 3.625 in		0.95 ft	
					112.48 ft
SP Sub-10904995 60.00 lbs		Ø 3.625 in	SP @ 110.70 ft	3.74 ft	
			Z-Accelerometer @ 108.29 ft		108.74 ft
GTET-11021139 165.00 lbs		Ø 3.625 in		8.52 ft	
			GammaRay @ 102.68 ft		
					100.22 ft
DSNT-11020487 174.00 lbs	DSN Decentralizer-10993115 6.60 lbs	Ø 5.000 in* Ø 3.625 in	DSN Far @ 93.28 ft DSN Near @ 92.53 ft	9.69 ft	
					90.53 ft
SDLT-11014296 360.00 lbs	SDLT Pad-10809130 65.00 lbs Microlog Pad-11014296 8.00 lbs RAM-Cs137-00005155 1.00 lbs	Ø 4.500 in Ø 4.500 in* Ø 4.750 in* Ø 0.800 in*	Microlog @ 82.72 ft SDL Caliper @ 82.54 ft SDL @ 82.53 ft	10.81 ft	
					79.72 ft
IQ Flex-11005584 140.00 lbs		Ø 3.625 in		5.67 ft	
					74.05 ft
ICT Instrument-11023459 110.00 lbs		Ø 3.625 in		4.88 ft	
					69.17 ft


ICT Mandrel-
11019427
220.00 lbs
Ø 3.625 in
ICT Caliper @ 64.03 ft
7.94 ft
61.24 ft
IDT-10967514
150.00 lbs
Ø 3.625 in
7.58 ft
53.65 ft
WSTT-I Upper
Electronics-
10753398
115.00 lbs
Centralizer 25-00000001
8.00 lbs
Ø 3.625 in
Ø 3.750 in*
8.31 ft
45.34 ft
WSTT-I Trans-
Isolator - Std-
10894371
185.00 lbs
Ø 3.625 in
10.86 ft
34.48 ft
WSTT-I Receivers-
10894370
100.00 lbs
Ø 3.625 in
Wavesonic Delay @ 31.08 ft
6.65 ft
27.83 ft
WSTT-I Lower
Electronics-
10894372
120.00 lbs
Centralizer 25-00000002
8.00 lbs
Ø 3.750 in*
Ø 3.625 in
8.25 ft
19.58 ft
ACRt Instrument-
11055059
50.00 lbs
Ø 3.625 in
5.03 ft
14.55 ft
Mud Resistivity @ 13.19 ft
ACRt @ 9.21 ft



Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)		Accumulated Length (ft)	Max.Log. Speed (fpm)
CH_HOS	Hostile Cable Head with Load Cell	CH_HOS_I	37.50	2.25		113.43	300.00
XOHD	Hostile to Dits Cross Over	11021555	20.00	0.95		112.48	300.00
SP	SP Sub	10904995	60.00	3.74		108.74	300.00
GTET	Gamma Telemetry Tool	11021139	165.00	8.52		100.22	60.00
DSNT	Dual Spaced Neutron	11020487	174.00	9.69		90.53	60.00
DCNT	DSN Decentralizer	10993115	6.60	5.13	*	93.86	300.00
SDLT	Spectral Density Tool	11014296	360.00	10.81		79.72	60.00
SDLP	Density Insite Pad	10809130	65.00	2.55	*	81.93	60.00
Cs137	Logging Source, SDLT-I, 1.78 Ci - Cs137	00005155	1.00	0.80	*	82.16	300.00
MICP	Microlog Pad	11014296	8.00	1.00	*	82.22	60.00
IQF	IQ Flex tool	11005584	140.00	5.67		74.05	300.00
ICT	Six Independent Arm Caliper Instrument	11023459	110.00	4.88		69.17	60.00
ICT	Six Independent Arm Caliper Mandrel	11019427	220.00	7.94		61.24	60.00
IDT	Insite Directional Tool	10967514	150.00	7.58		53.65	60.00
WSTT	WaveSonic Insite - Upper Electronics	10753398	115.00	8.31		45.34	100.00
OBCEN	Centralizer - 25 in. Overbody	00000001	8.00	2.08	*	47.71	300.00
WSTT	WaveSonic Insite - Trans-Isolator - Std	10894371	185.00	10.86		34.48	100.00
WSTT	WaveSonic Insite - Receivers	10894370	100.00	6.65		27.83	30.00
WSTT	WaveSonic Insite - Lower Electronics	10894372	120.00	8.25		19.58	100.00
OBCEN	Centralizer - 25 in. Overbody	00000002	8.00	2.08	*	23.00	300.00
ACRt	Array Compensated True Resistivity Instrument Section	11055059	50.00	5.03		14.55	120.00
ACRt	Array Compensated True Resistivity Sonde Section	11038385	200.00	14.22		0.33	120.00
BLNS	Bull Nose	12345678	5.00	0.33		0.00	300.00
Total			**2,308.10**	**115.68**			

* Not included in Total Length and Length Accumulation.

Data: DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\001 05-Oct-17 03:00 Dn @115.8f **Date: 05-Oct-17 03:02:30**

HALLIBURTON

WAVESONIC DELTA - T LOG

COMPANY	DESTINY PETROLEUM
WELL	LINDA 3504 SWD 1-5
FIELD/BLOCK	WILDCAT
COUNTY	SUMNER
STATE	KANSAS

DESTINY PETROLEUM
LINDA 3504 SWD 1-5
WILDCAT
SUMNER
KANSAS
COMPANY
WELL
FIELD/BLOCK
COUNTY
STATE

API No. 15-191-22795-00-00

Location
(SHL) SE NE SE NE
1717' FNL & 237' FEL

Sect. 5 Twp. 35S Rge. 4W

Other Services:
ACRT
SDL-DSN-ML
WAVESONIC
IDT-ICT

Permanent Datum	GL	Elev. 1199.0 ft	Elev.: K.B. 1214.0 ft
Log measured from	KB	, 15.0 ft above perm. Datum	D.F. 1212.0 ft
Drilling measured from	KB		G.L. 1199.0 ft

Date		05-Oct-17					
Run No.		1					
Depth - Driller		5400.0 ft					
Depth - Logger		5376.0 ft					
Bottom - Logged Interval		5366					
Top - Logged Interval		315					
Casing - Driller		9.625 in	@ 315.0 ft	@		@	
Casing - Logger		315.0 ft					
Bit Size		8.750 in		@		@	
Type Fluid in Hole		Water Based Mud					
Density	Viscosity	9.1 ppg	38.00 s/qt				
PH	Fluid Loss	11.20 pH	8.5 cptm				
Source of Sample		MUD PIT					
Rm @ Meas. Temperature		0.24 ohmm	@ 84.00 degF	@		@	
Rmf @ Meas. Temperature		0.19 ohmm	@ 80.00 degF	@		@	
Rmc @ Meas. Temperature		0.31 ohmm	@ 80.00 degF	@		@	
Source Rmf	Rmc	MEAS	MEAS				
Rm @ BHT		0.14 ohmm	@ 145.0 degF	@		@	
Time Since Circulation		18:00 hr					
Time on Bottom		05-Oct-17 03:33					
Max. Rec. Temperature		145.00 degF	@ 5376.0 ft	@		@	
Equipment	Location	12156883	EL RENO, OK				
Recorded By		WHITLOCK					
Witnessed By		REID McCARTY					

Fold here

Service Ticket No.: 904342231
API No.: 15-191-22795-00-00
PGM Version: WL INSITE R5.0.5 (Build 8)

CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE

	Date	Sample No.								
Depth-Driller										
Type Fluid in Hole										
Density	Viscosity									
Ph	Fluid Loss									
Source of Sample										
Rm @ Meas. Temp			@	@	@	@	@	@	@	@
Rmf @ Meas. Temp.			@	@	@	@	@	@	@	@
Rmc @ Meas. Temp.			@	@	@	@	@	@	@	@
Source Rmf	Rmc									
Rm @ BHT			@	@	@	@	@	@	@	@
Rmf @ BHT			@	@	@	@	@	@	@	@
Rmc @ BHT			@	@	@	@	@	@	@	@

RESISTIVITY SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

RESISTIVITY EQUIPMENT DATA

Run No.	Tool Type & No.	Pad Type	Tool Pos.	Other

EQUIPMENT DATA

GAMMA		ACOUSTIC				DENSITY				NEUTRON				
Run No.		Run No.				Run No.				Run No.				
Serial No.		Serial No.				Serial No.				Serial No.				
Model No.		Model No.				Model No.				Model No.				
Diameter		No. of Cent.				Diameter				Diameter				
Detector Model No.		Spacing				Log Type				Log Type				
Type						Source Type				Source Type				
Length		LSA [Y/N]				Serial No.				Serial No.				
Distance to Source		FWDA [Y/N]				Strength				Strength				

LOGGING DATA

GENERAL		GAMMA			ACOUSTIC			DENSITY			NEUTRON		
Run No.	Depth From	Depth To	Speed ft/min	Scale L	Scale R	Matrix	Scale L	Scale R	Matrix	Scale L	Scale R	Matrix

DIRECTIONAL INFORMATION

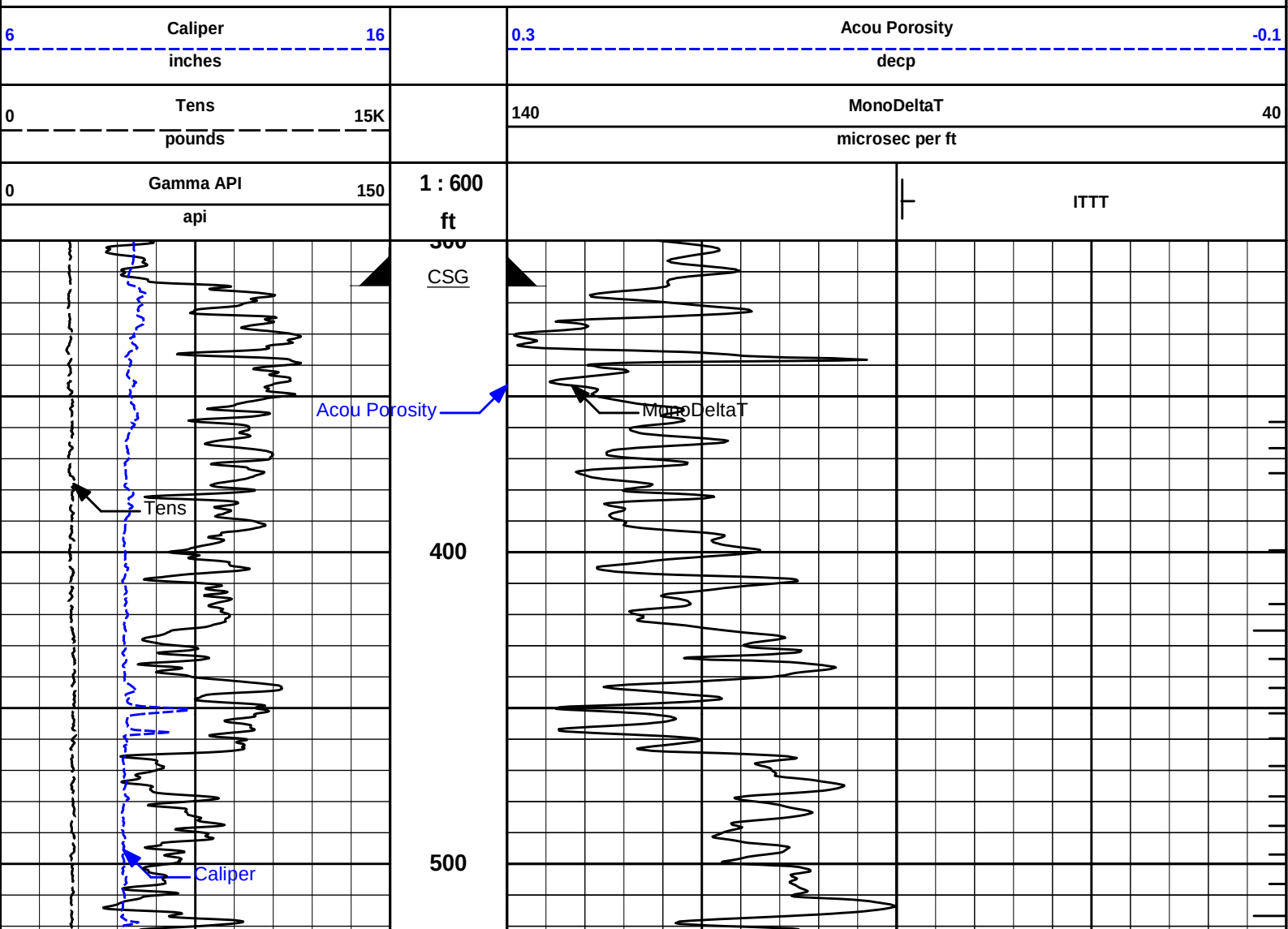
Maximum Deviation @	KOP @

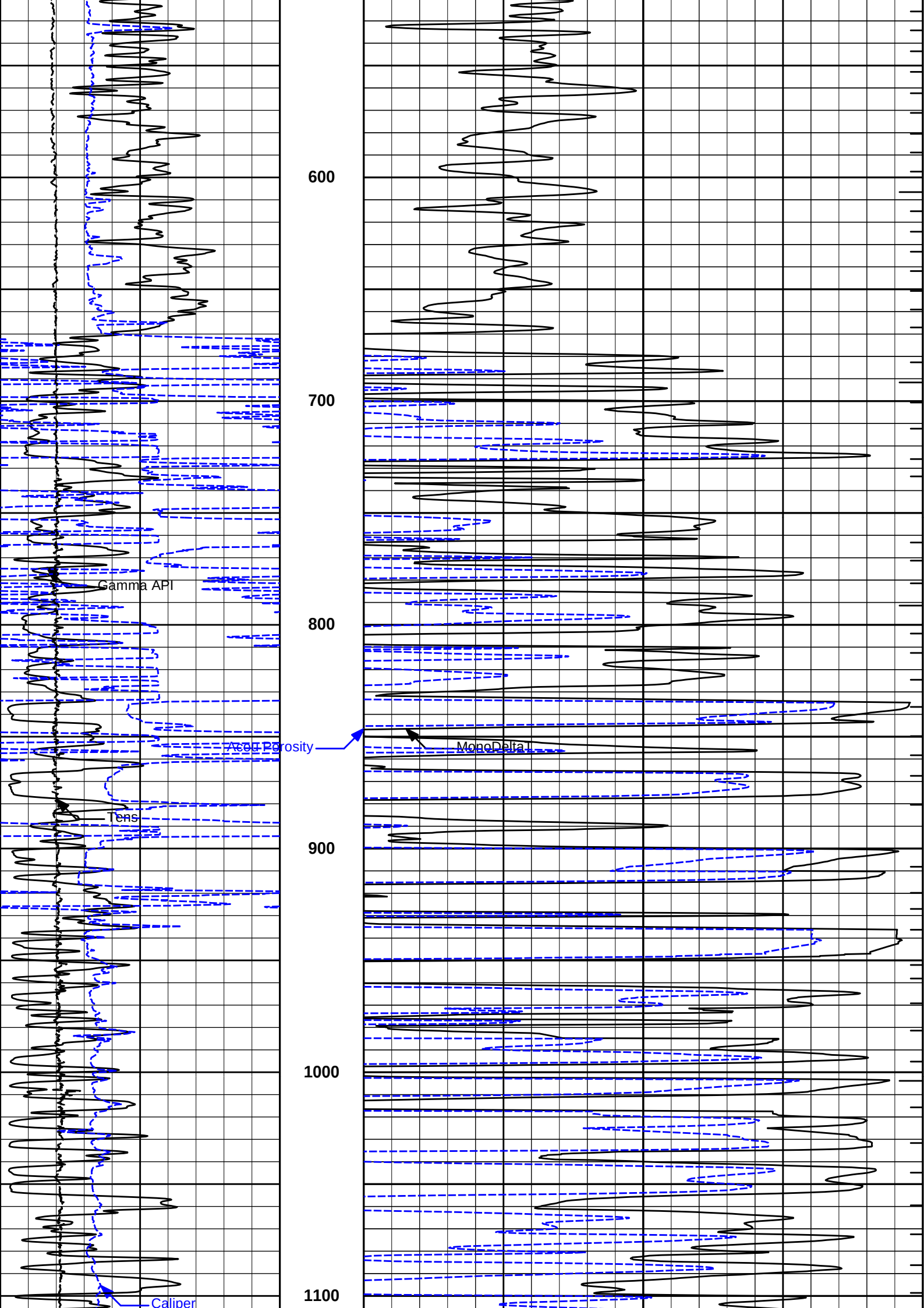
Remarks: 7" CASING USED FOR ANNULAR HOLE VOLUME

HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

HALLIBURTON

2 INCH MAIN LOG

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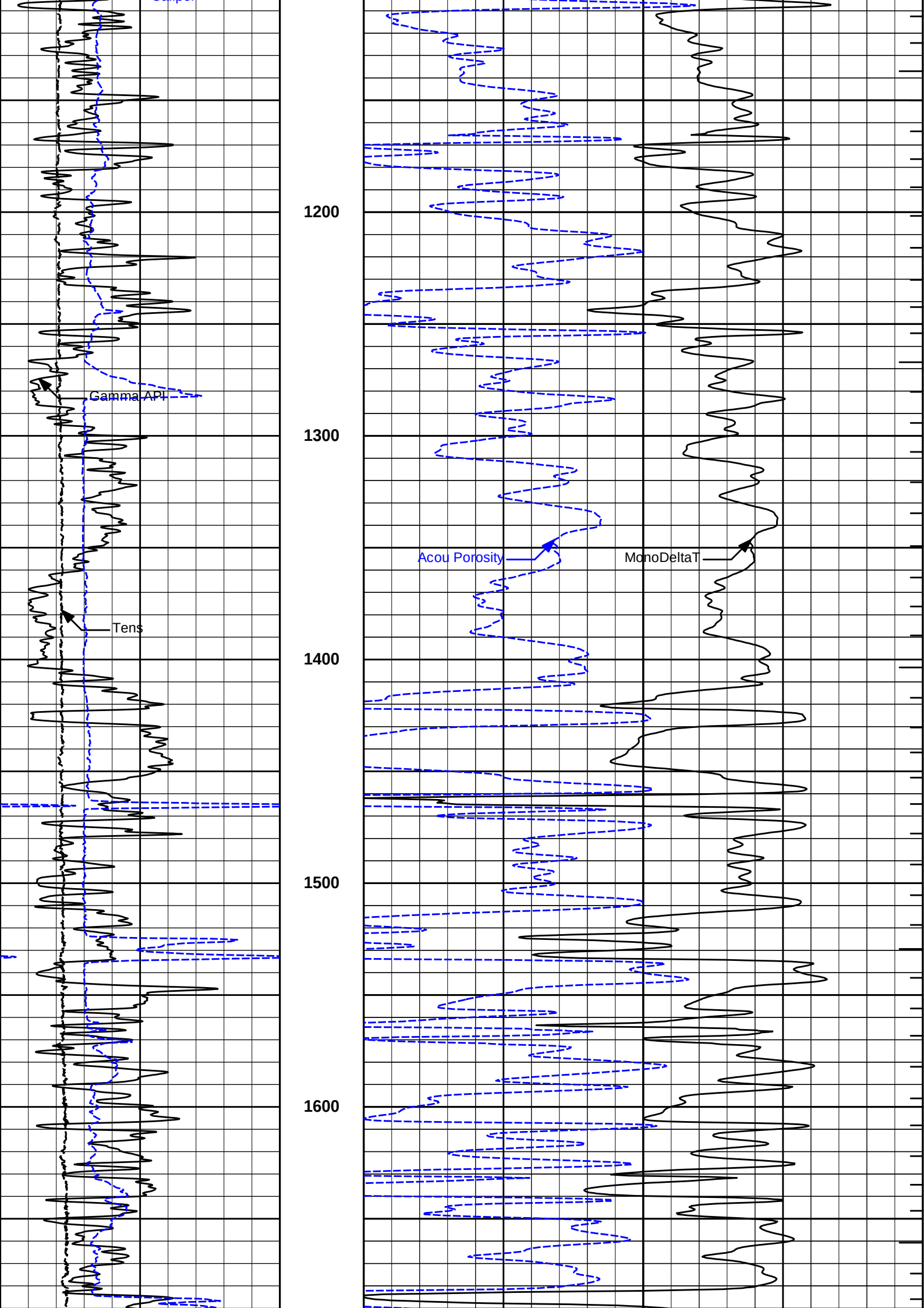
MonoDelta T
Tens
Caliper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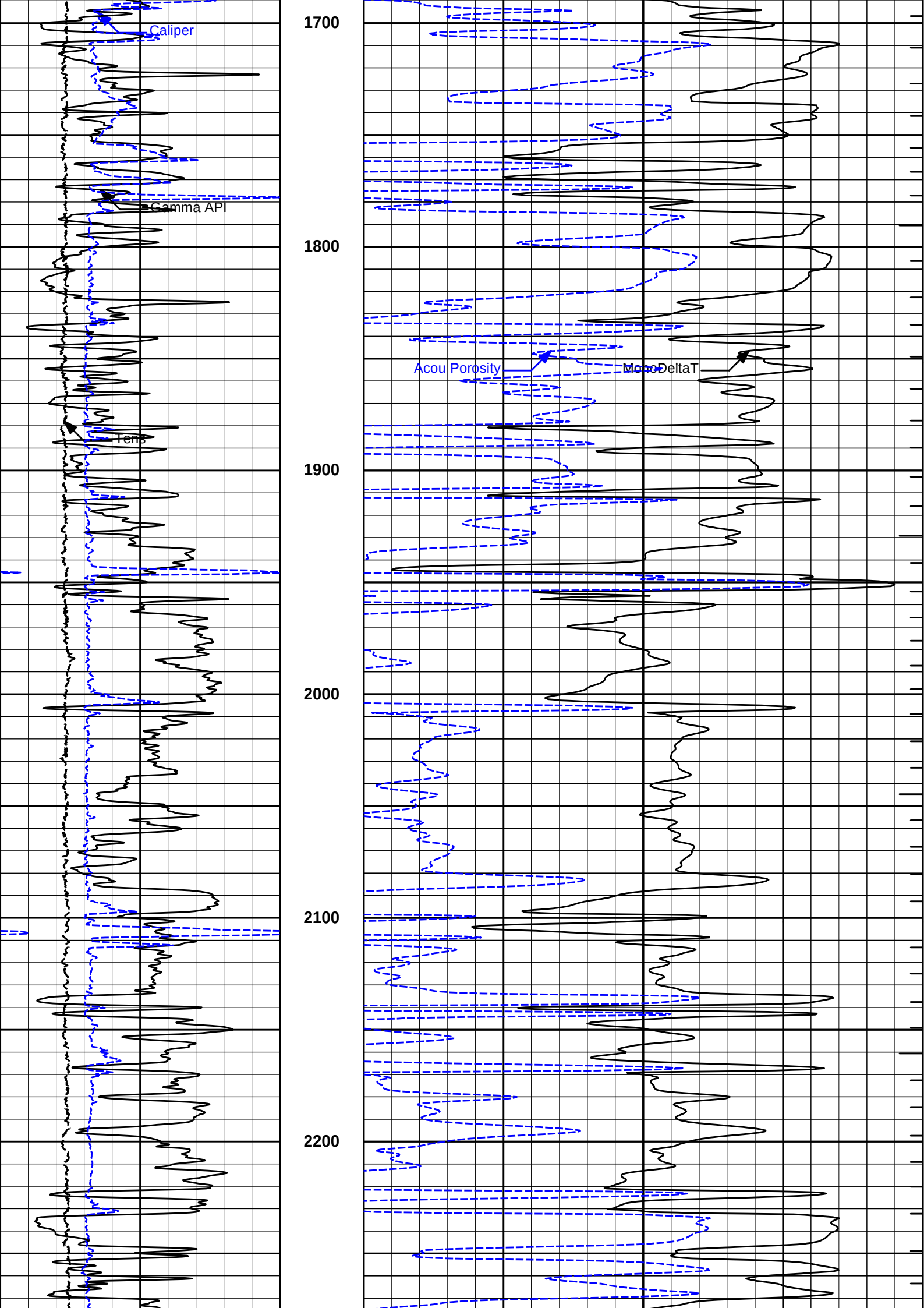
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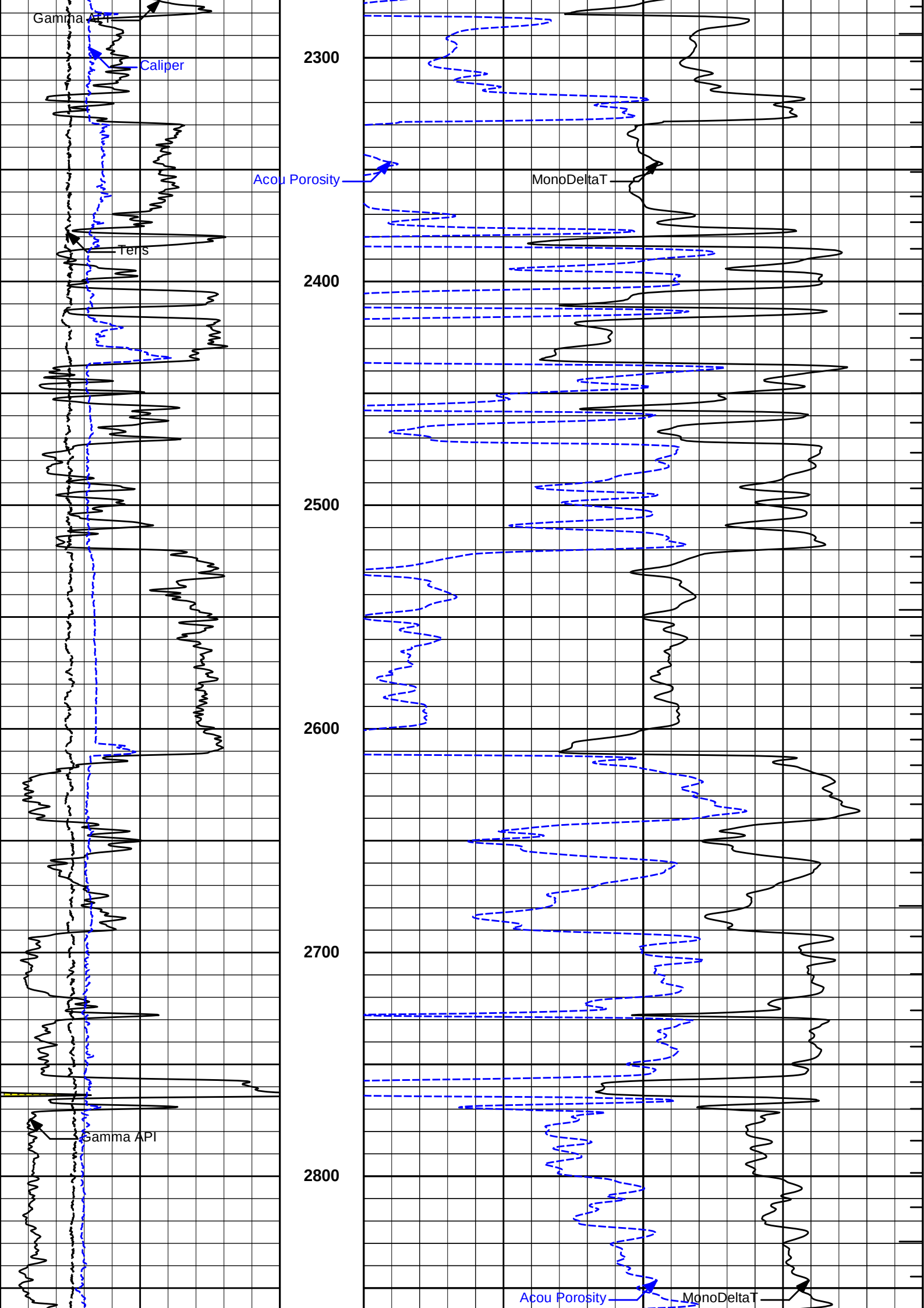
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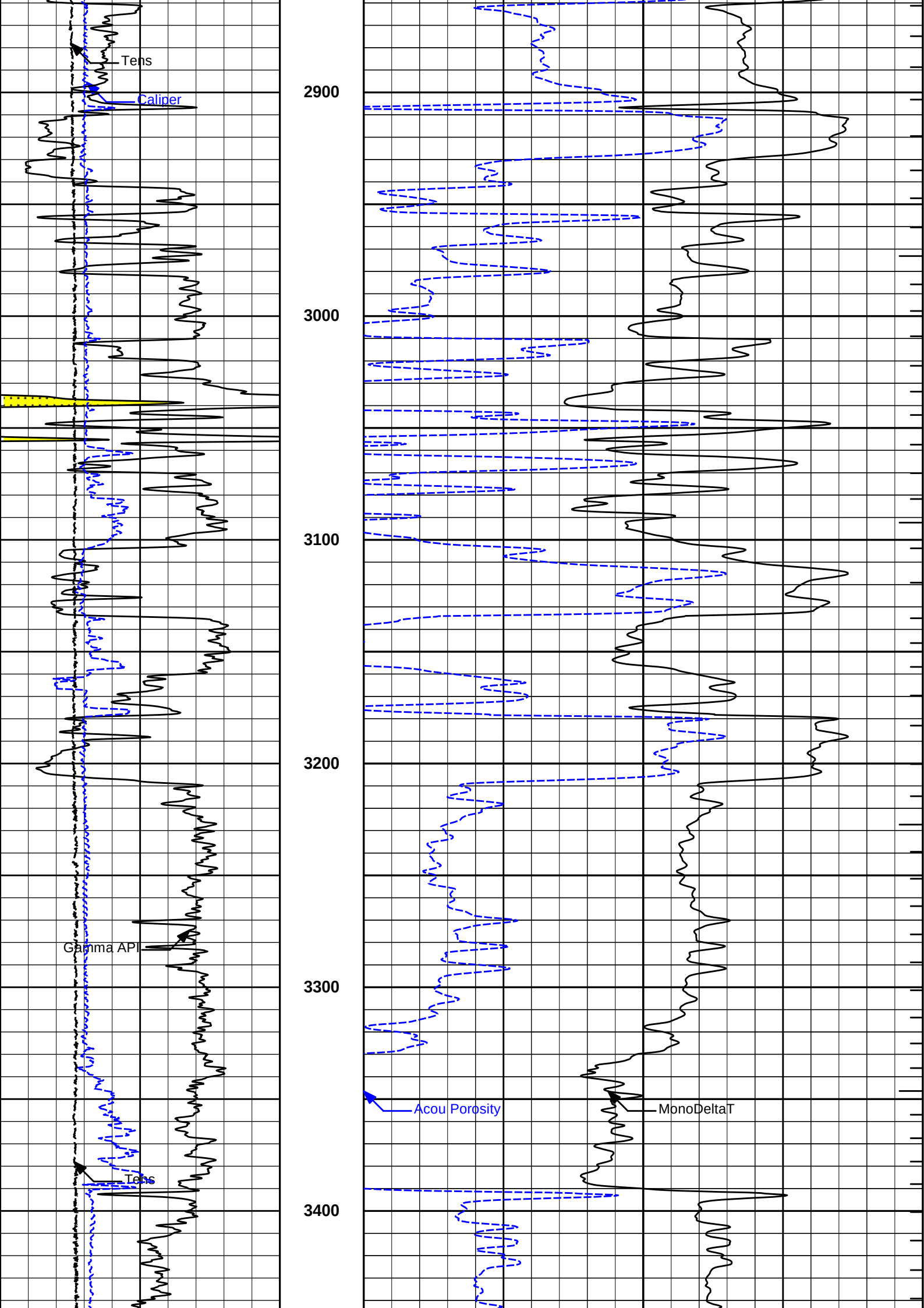
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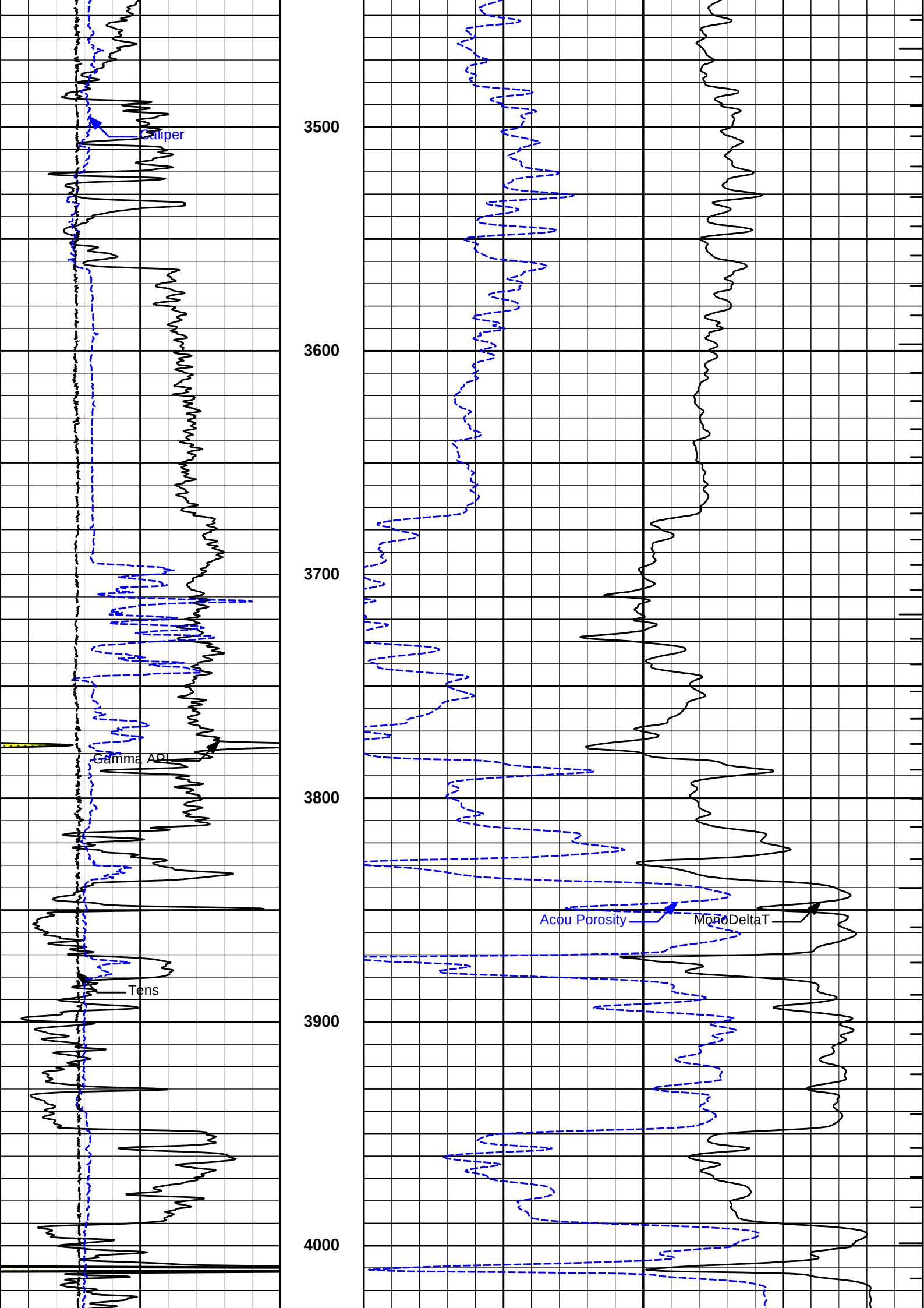
MonoDeltaT
Tens
3400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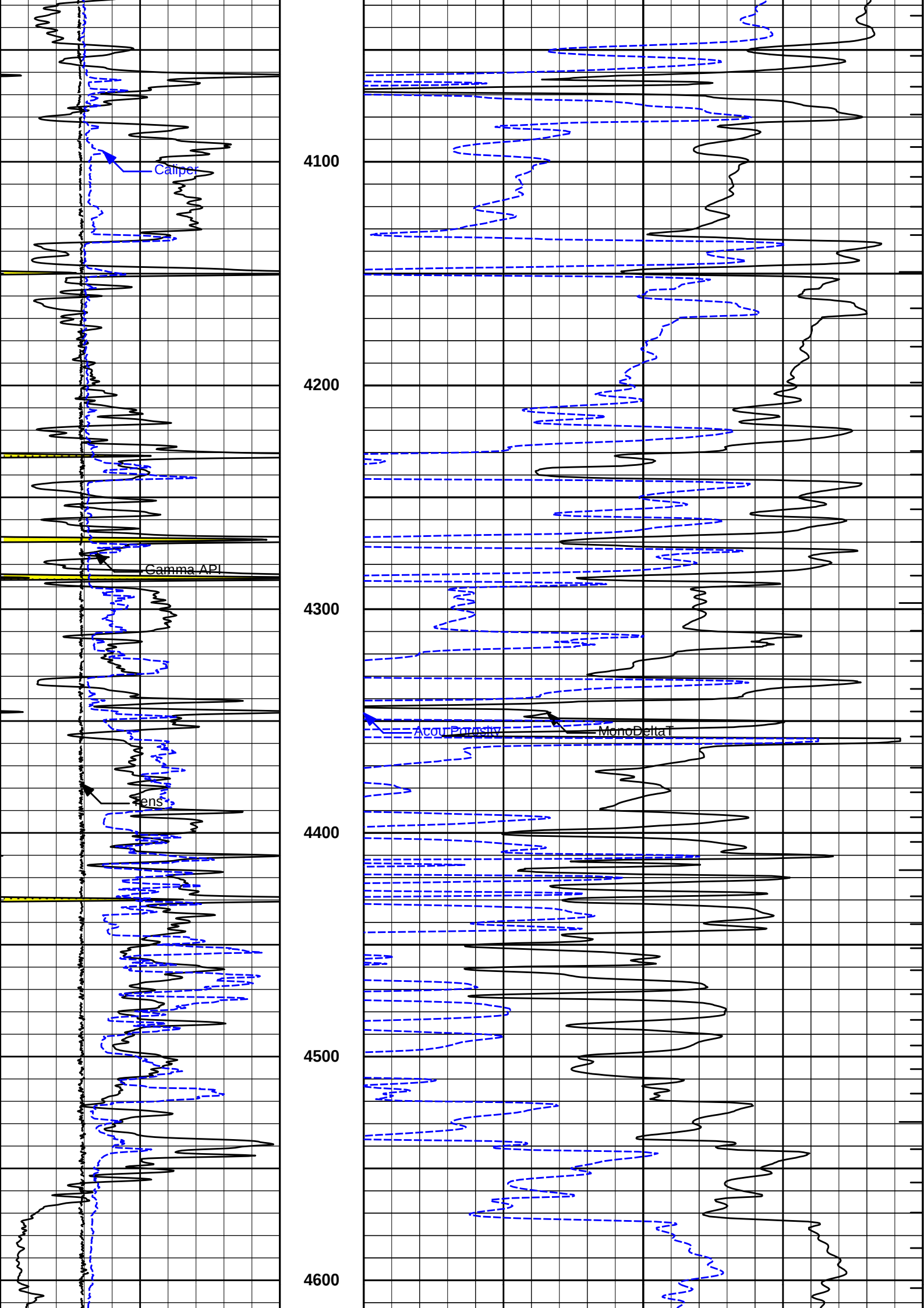
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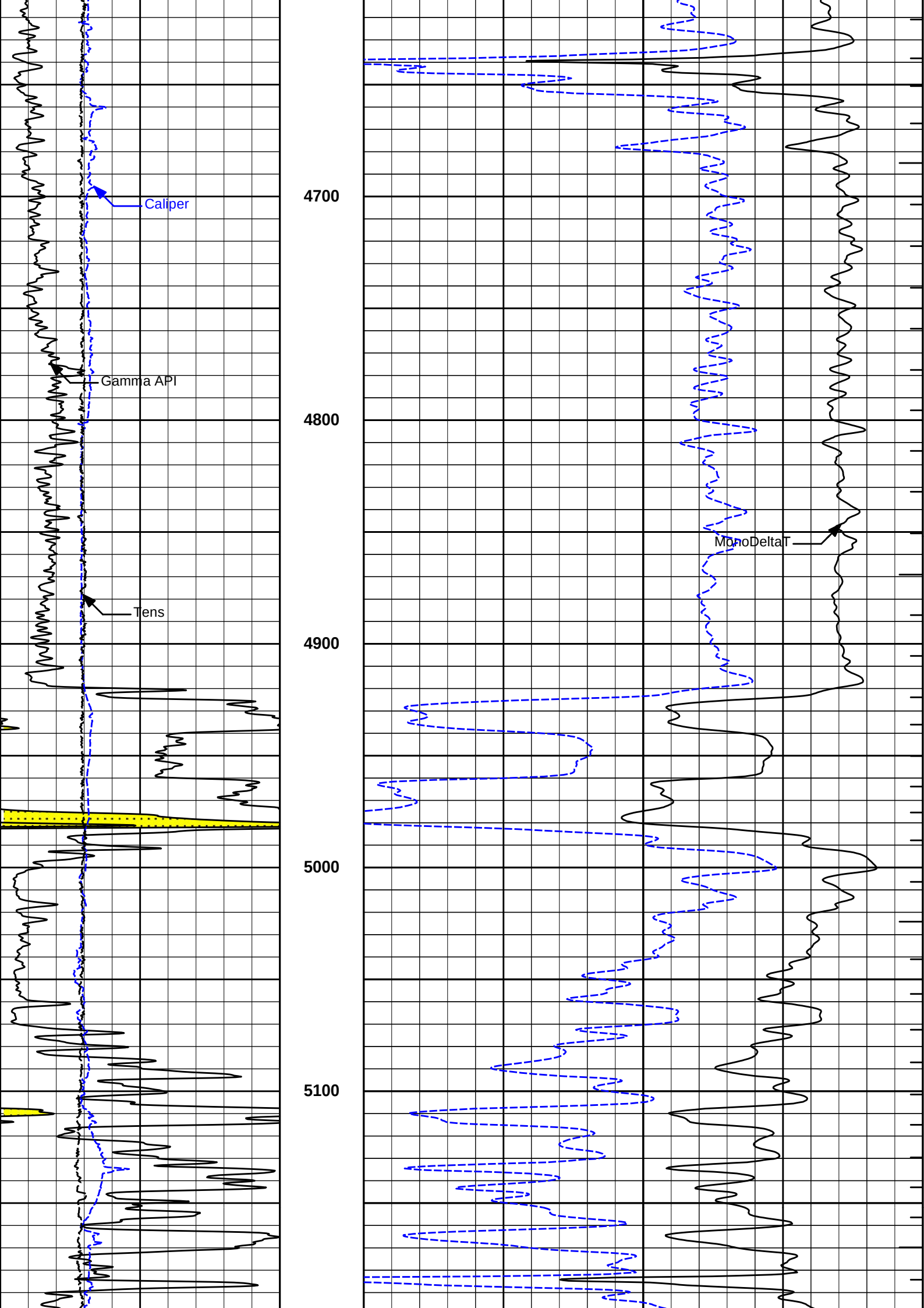
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Tens
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4900
5000
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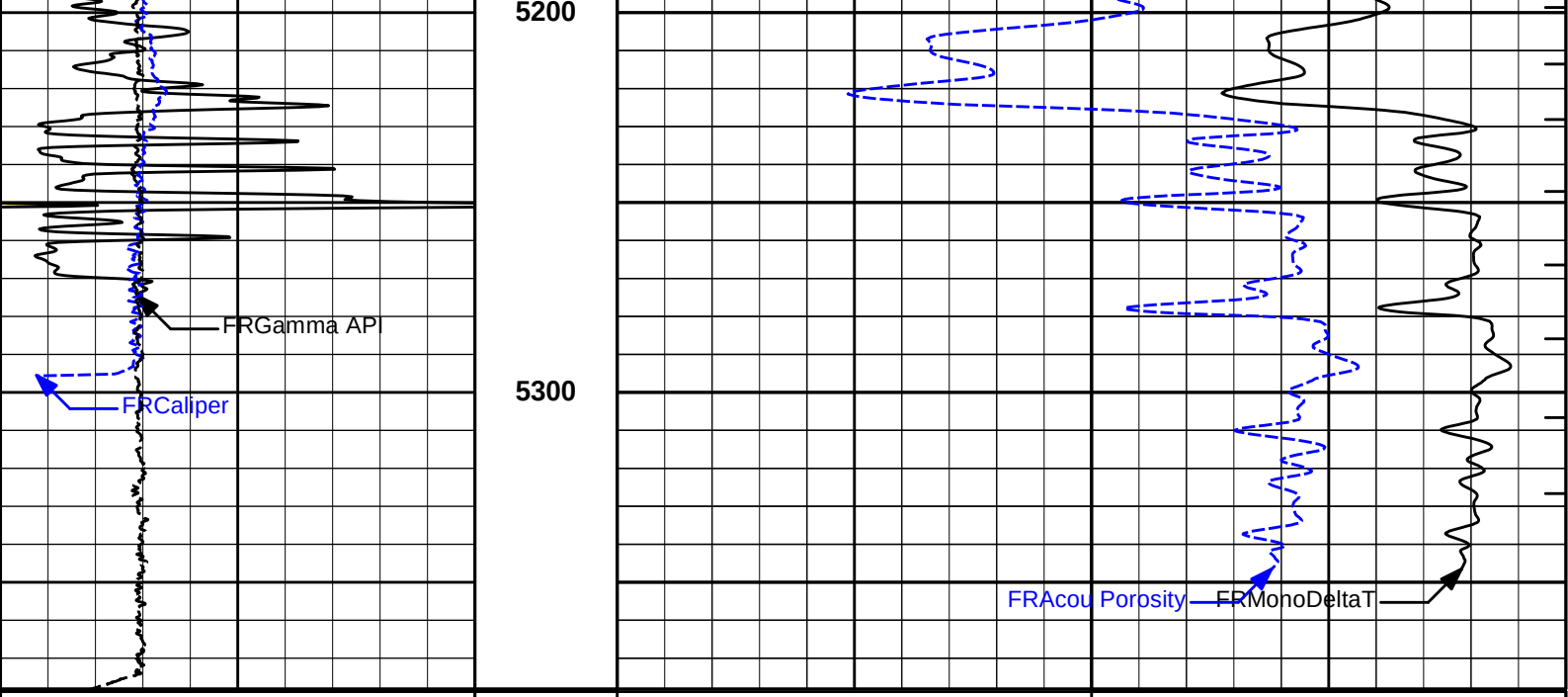


0 Gamma API 150 api	1 : 600 ft	ITTT
0 Tens 15K pounds		140 MonoDeltaT 40 microsec per ft
6 Caliper 16 inches		0.3 Acou Porosity -0.1 decp

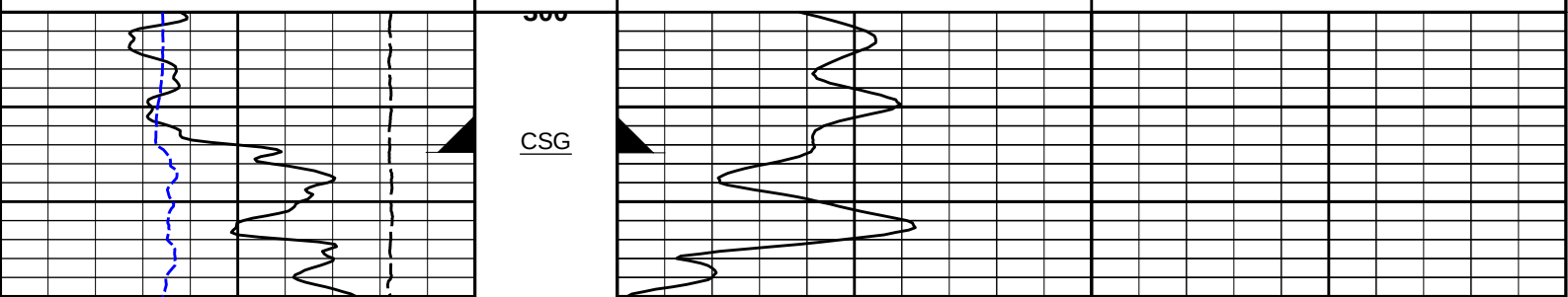
2 INCH MAIN LOG

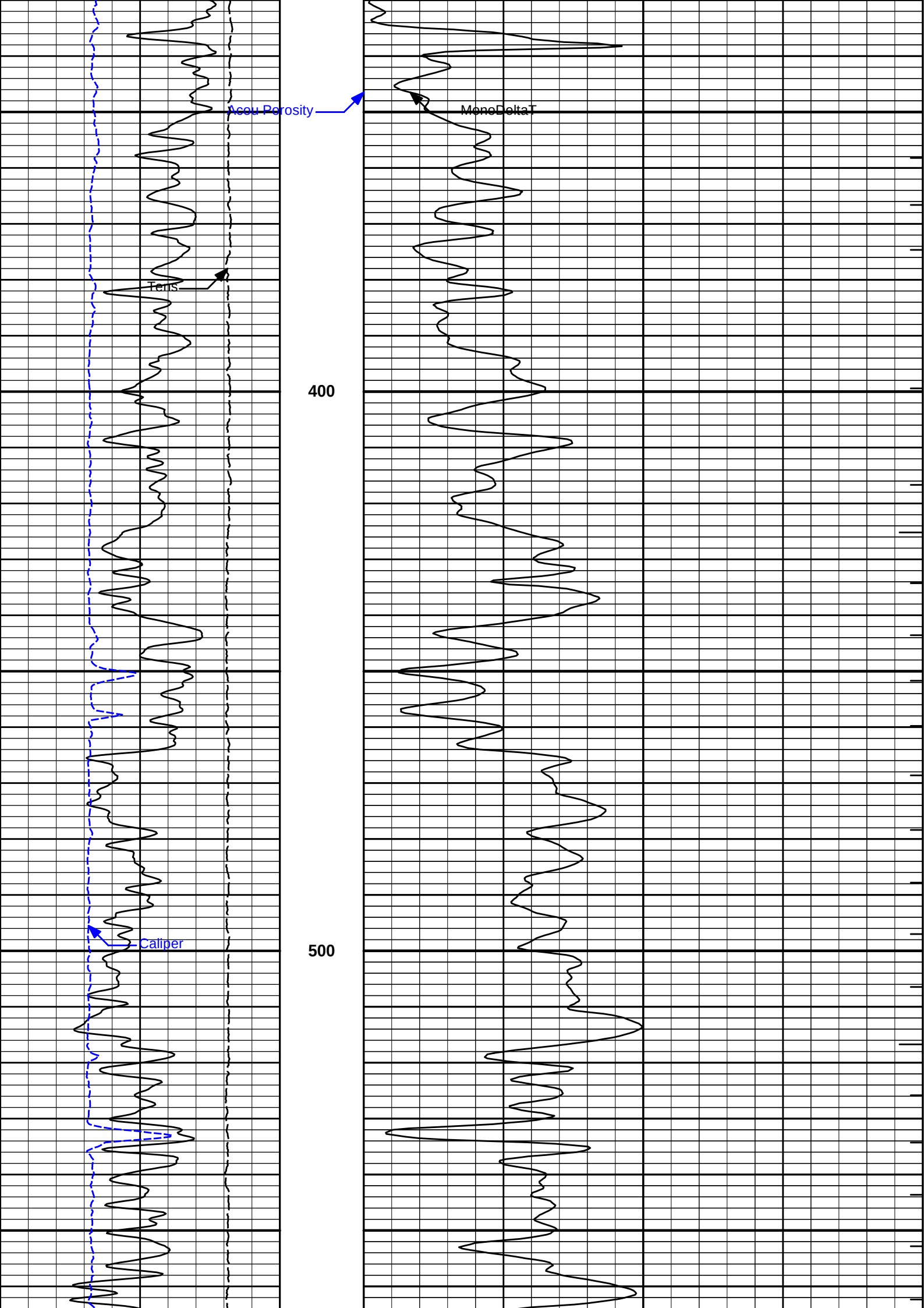
HALLIBURTON

Plot Time: 05-Oct-17 09:14:20
Plot Range: 300 ft to 5378.08 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-004\
Plot File: \\DT\WSTT_DT_5inch

5 INCH MAIN LOG

6 Caliper 16 inches	1 : 240 ft	140 MonoDeltaT 40 microsec per ft
15K Tens 0 pounds		0.3 Acou Porosity -0.1 decp
0 Gamma API 150 api		ITTT

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Caliper
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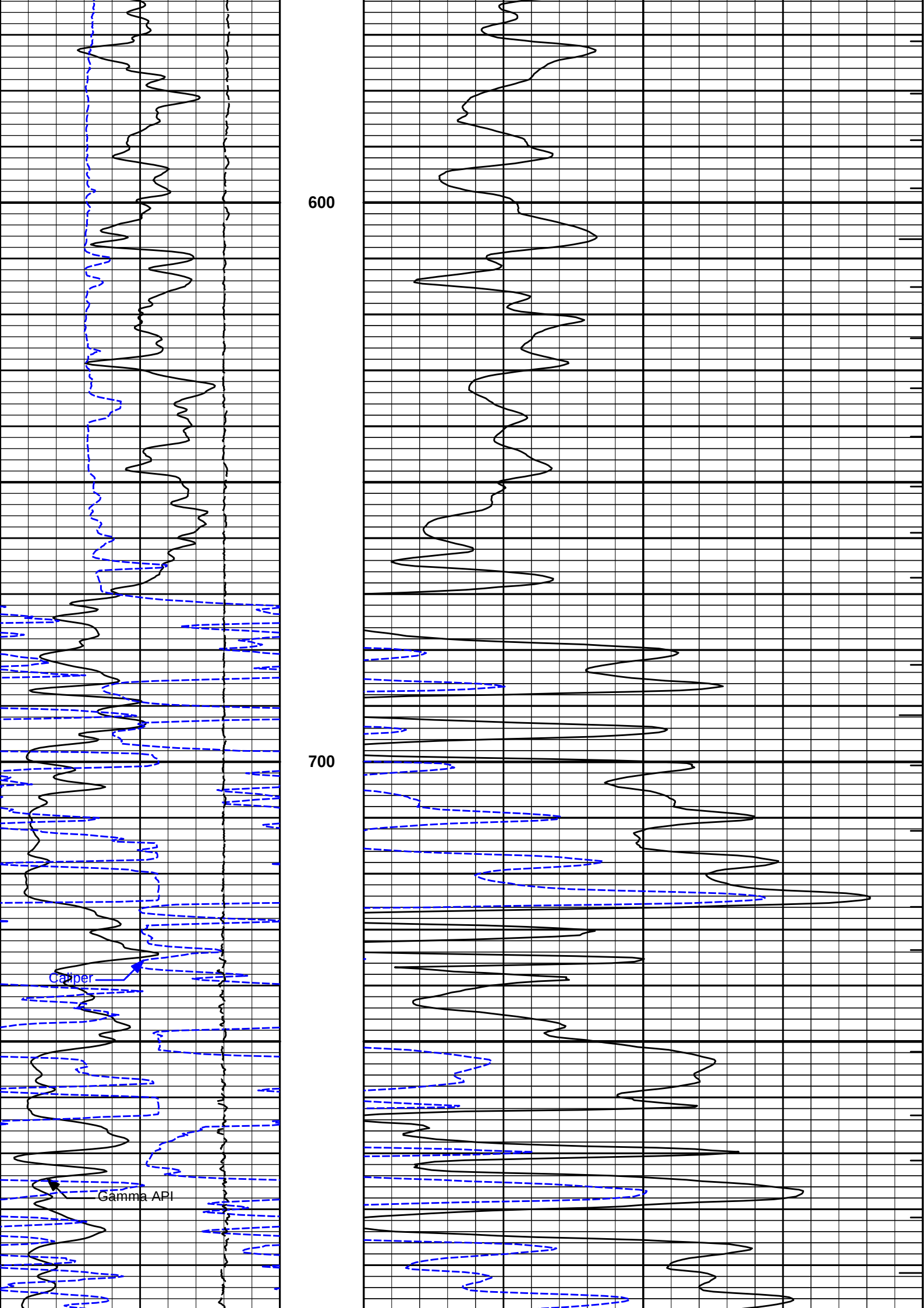
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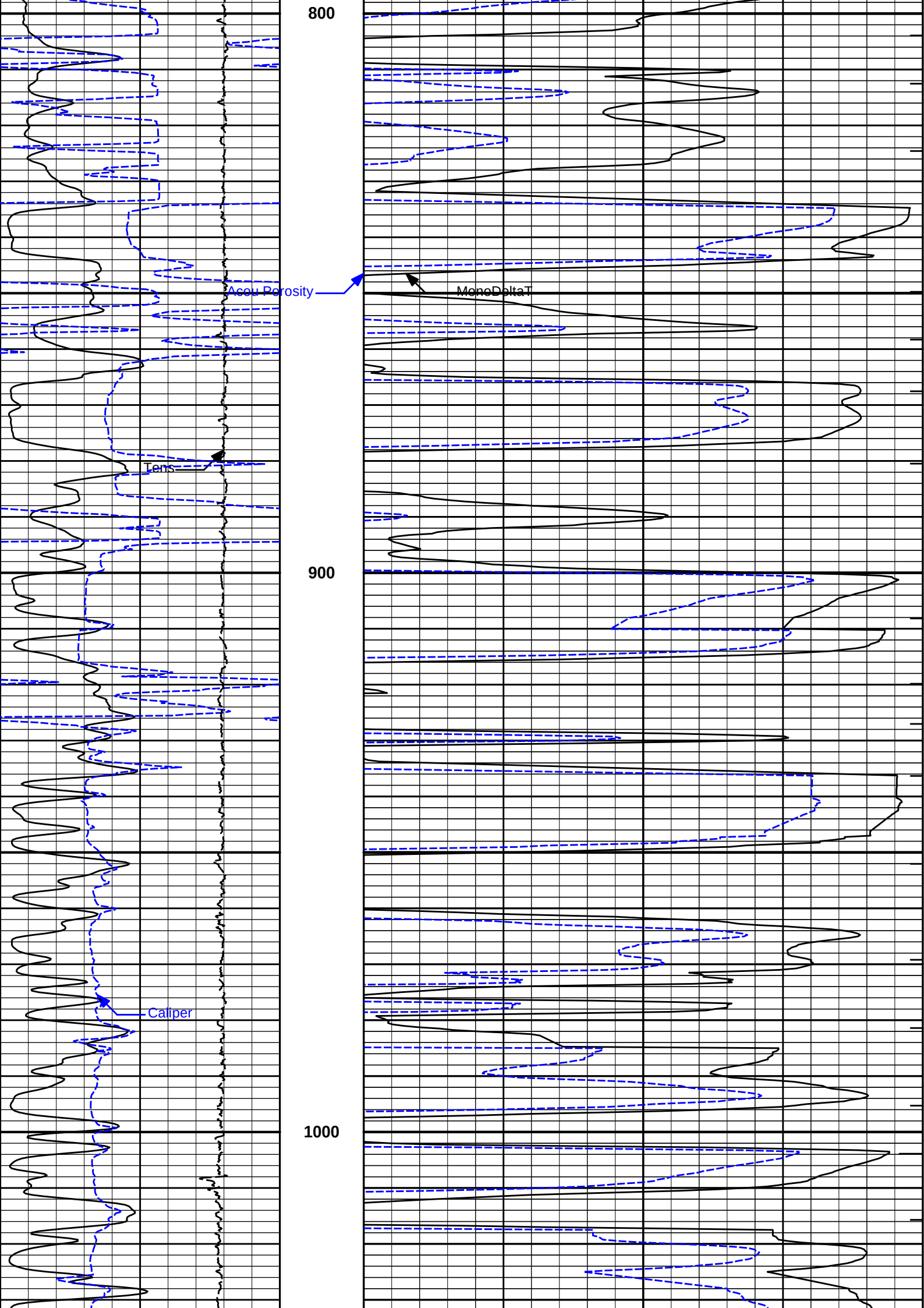
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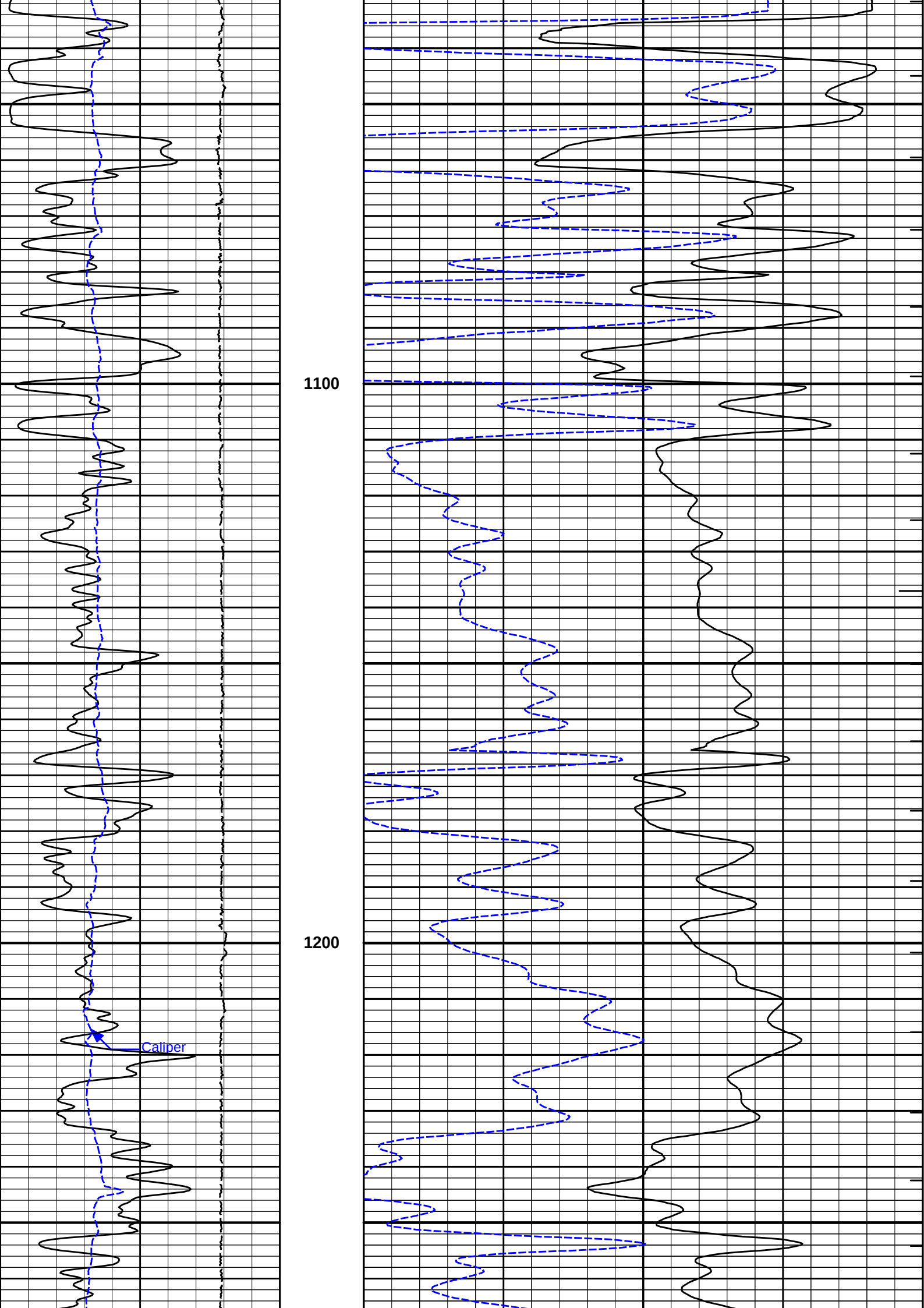
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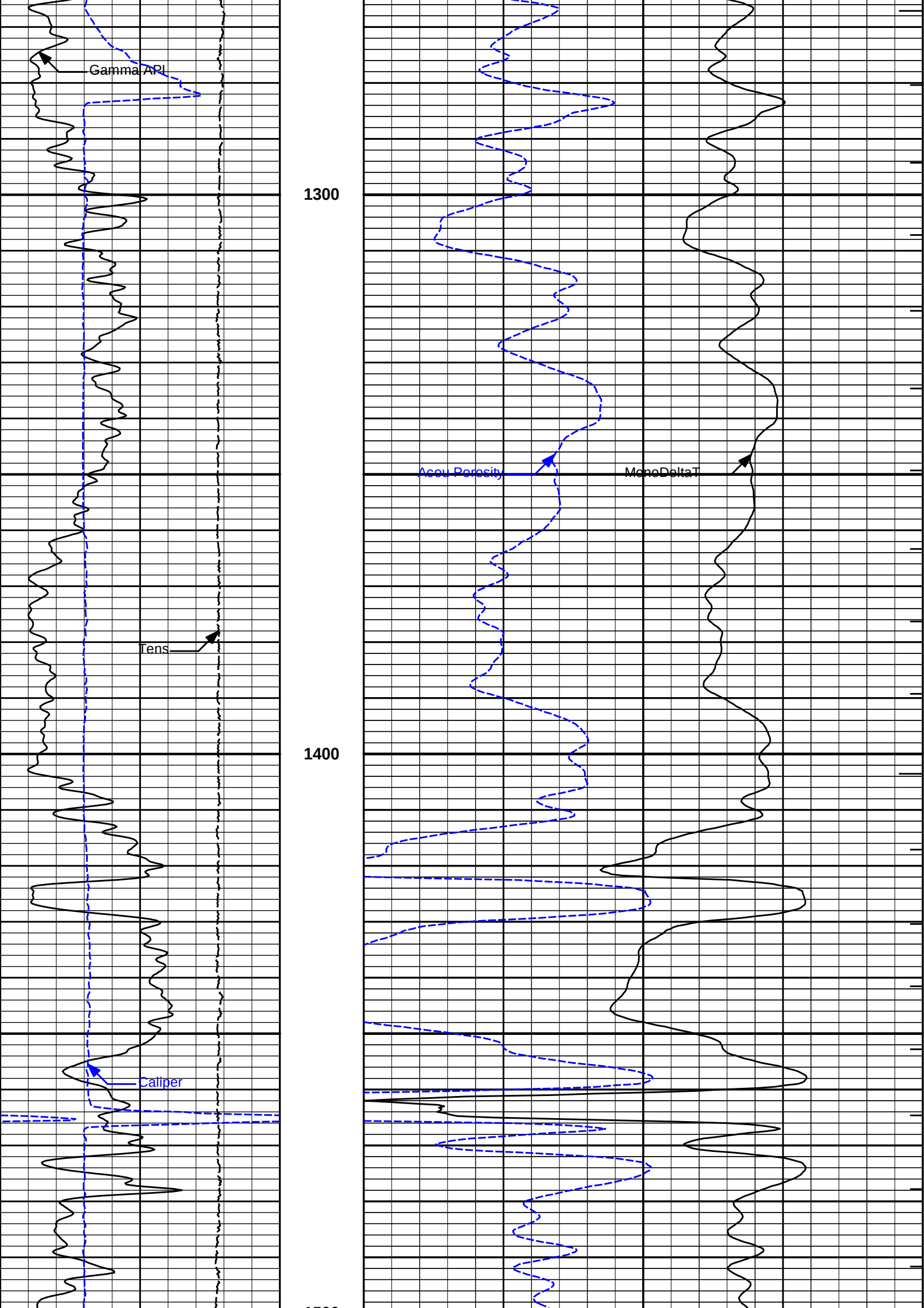
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Tens
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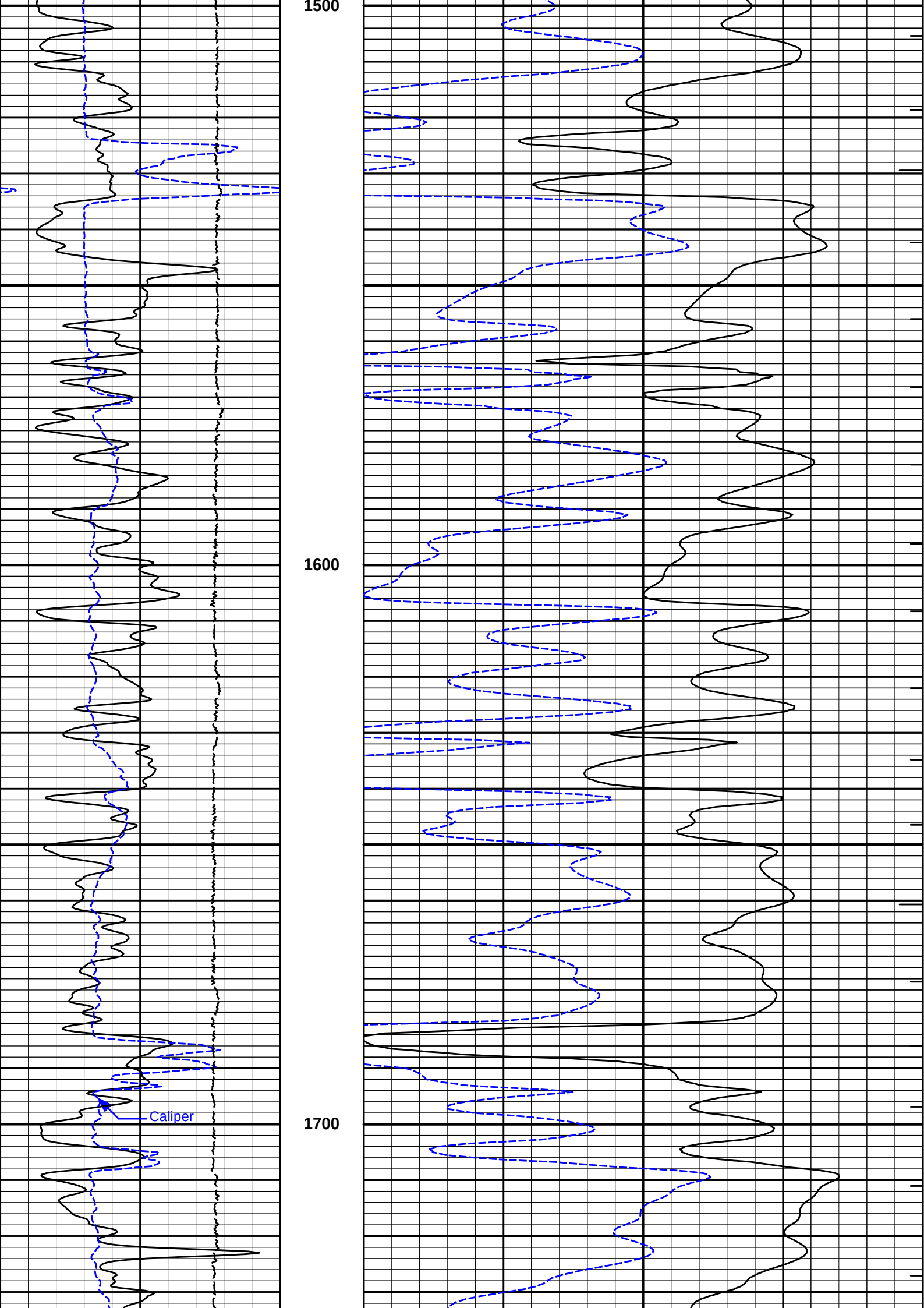
Caliper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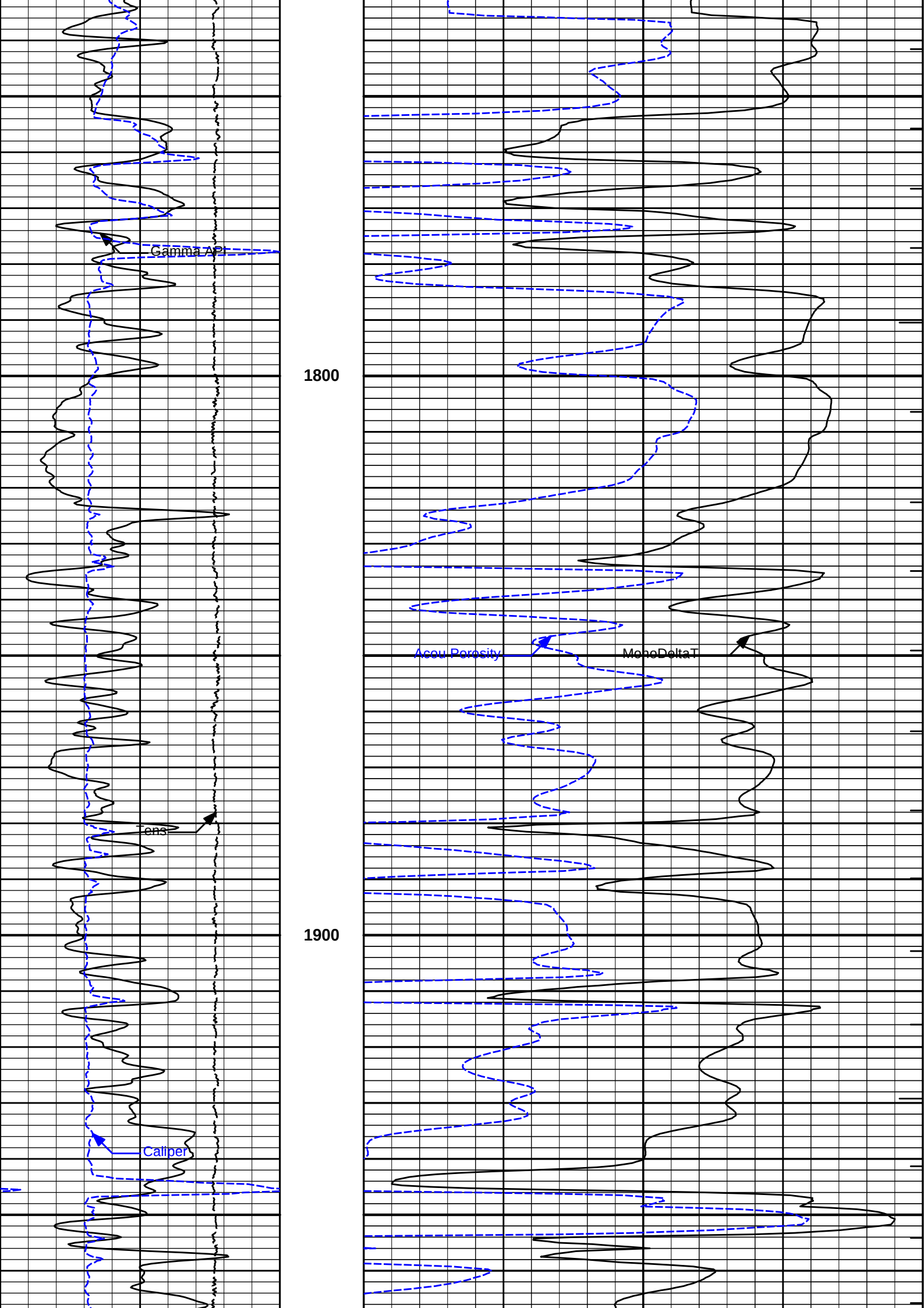
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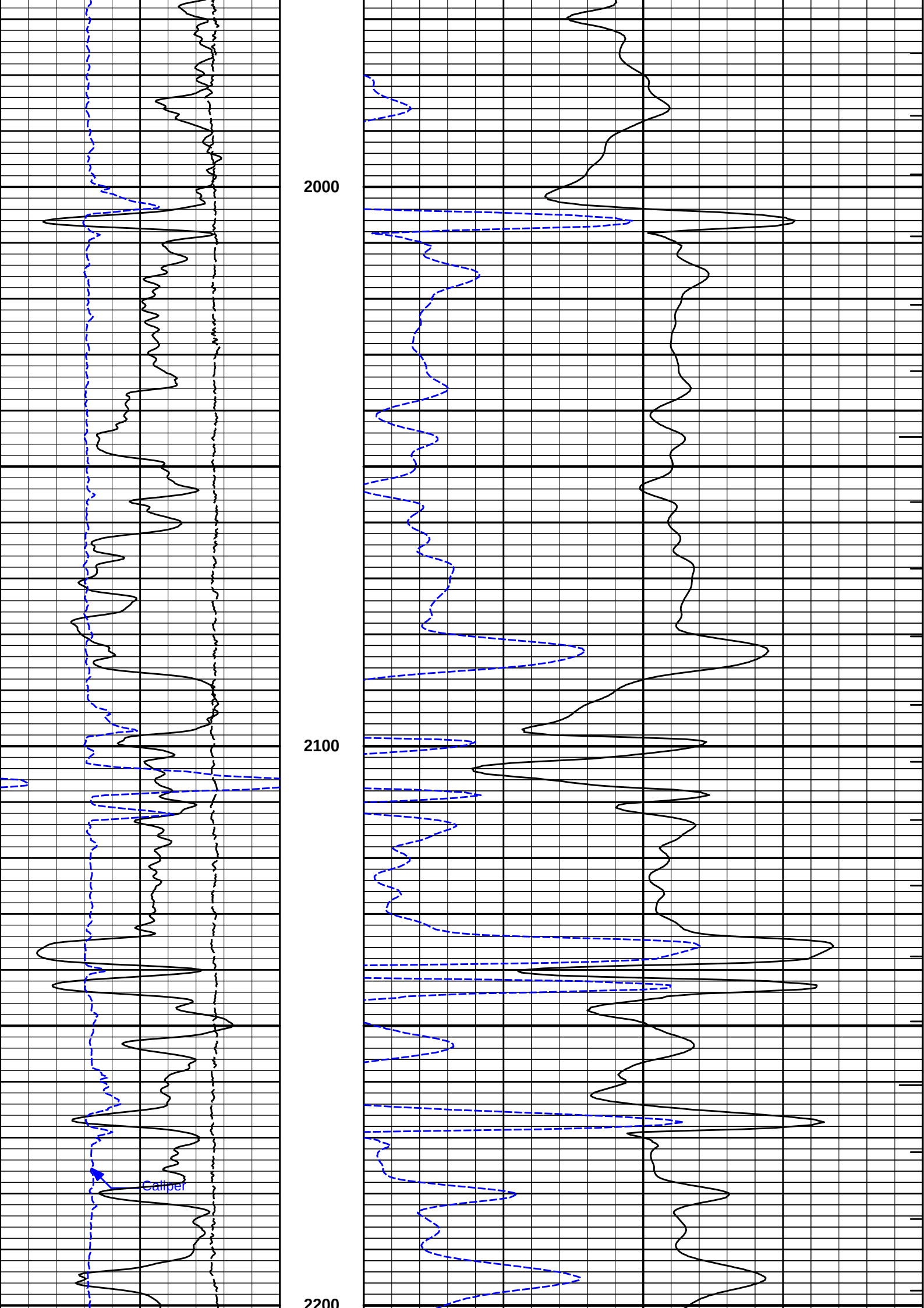
MonoDeltaT
Tens
1900
Caliper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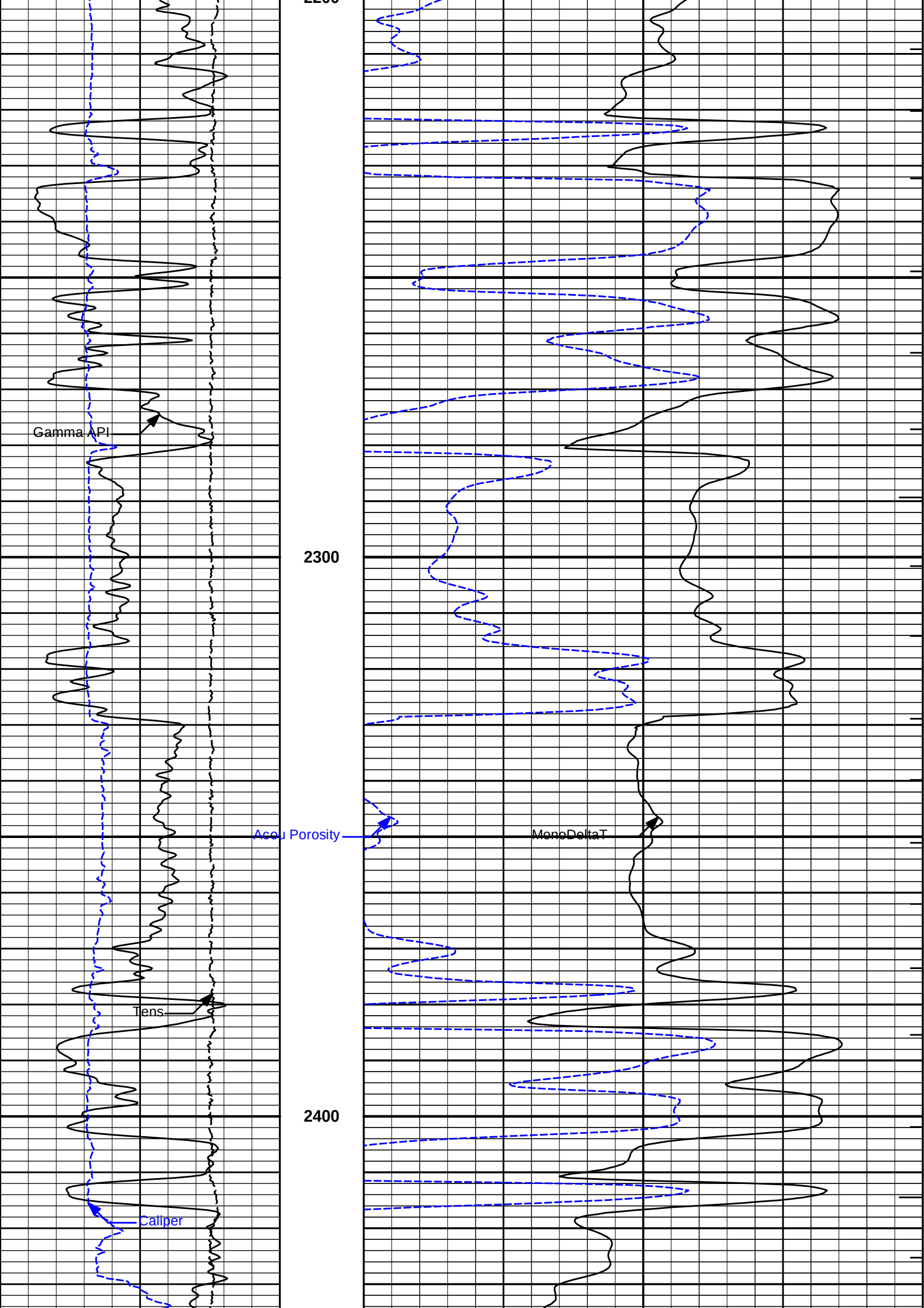
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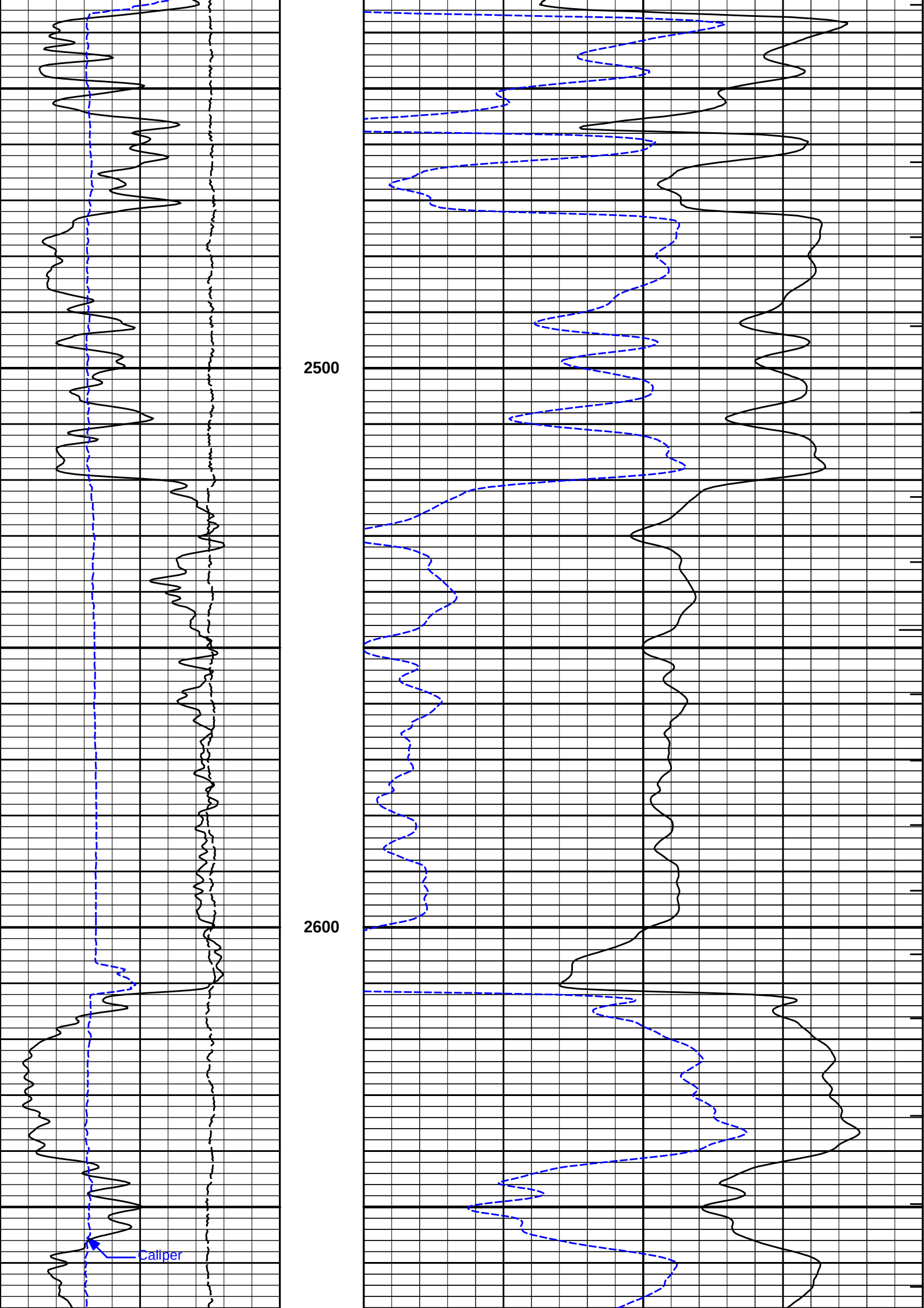
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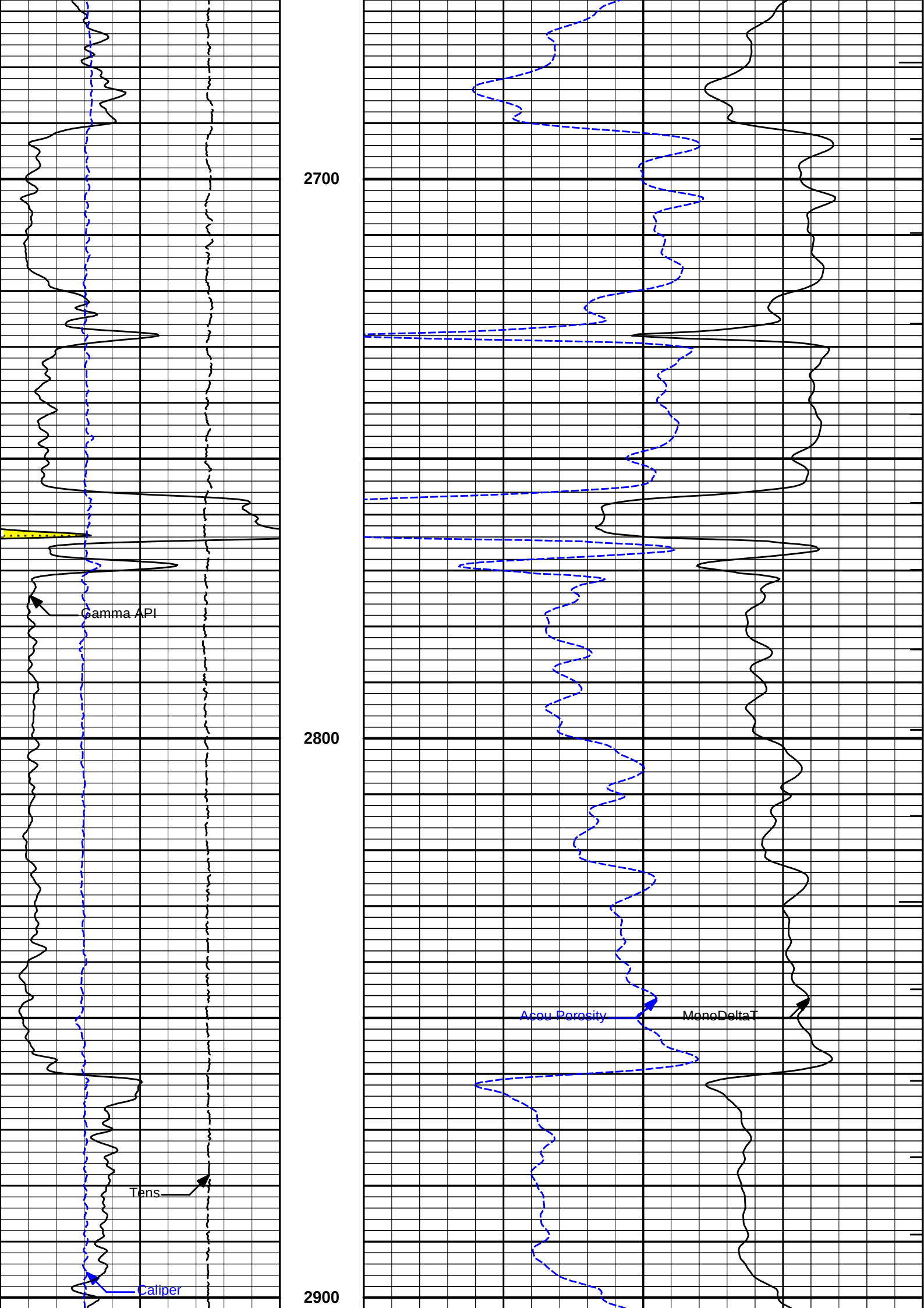
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Caliper
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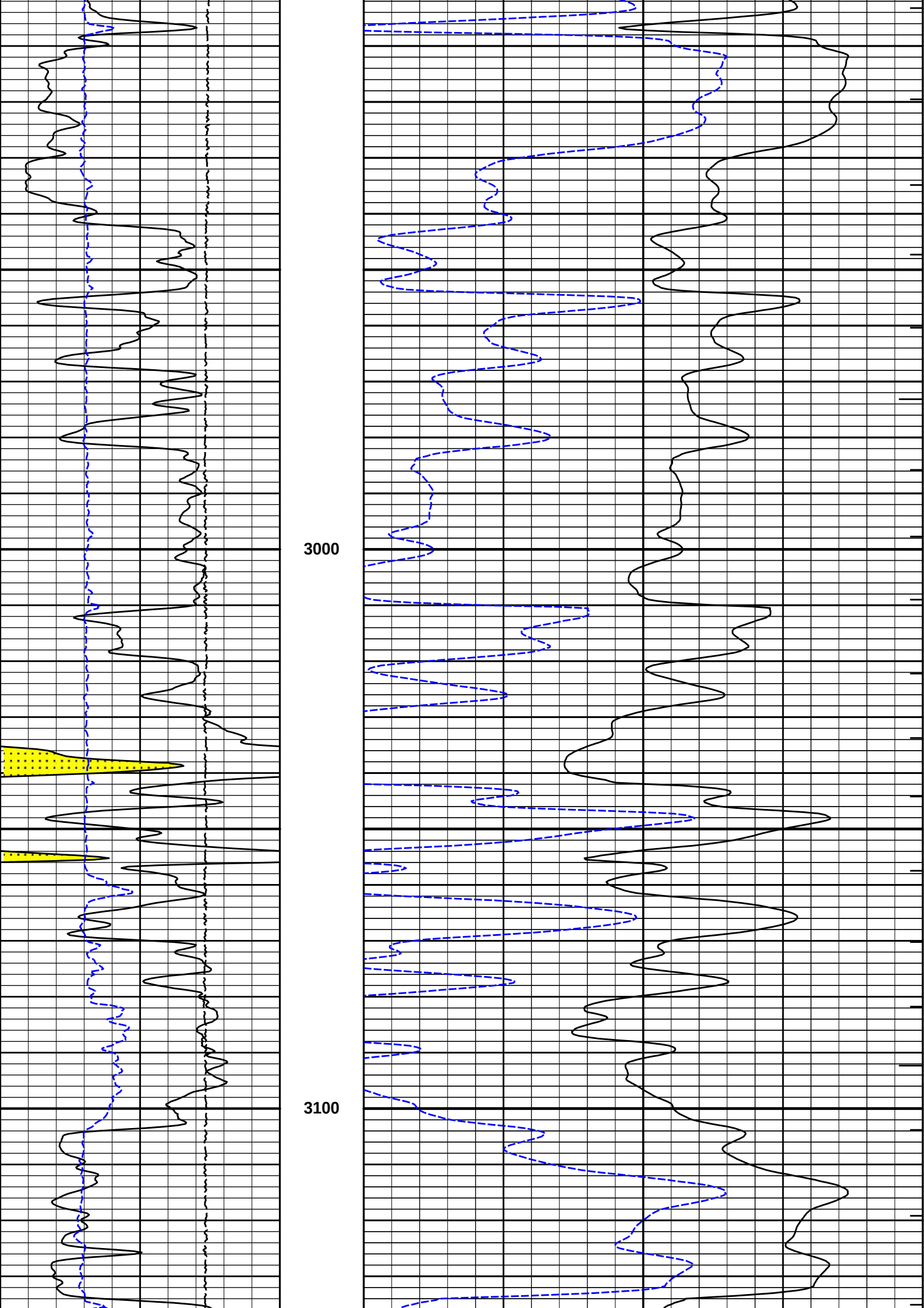
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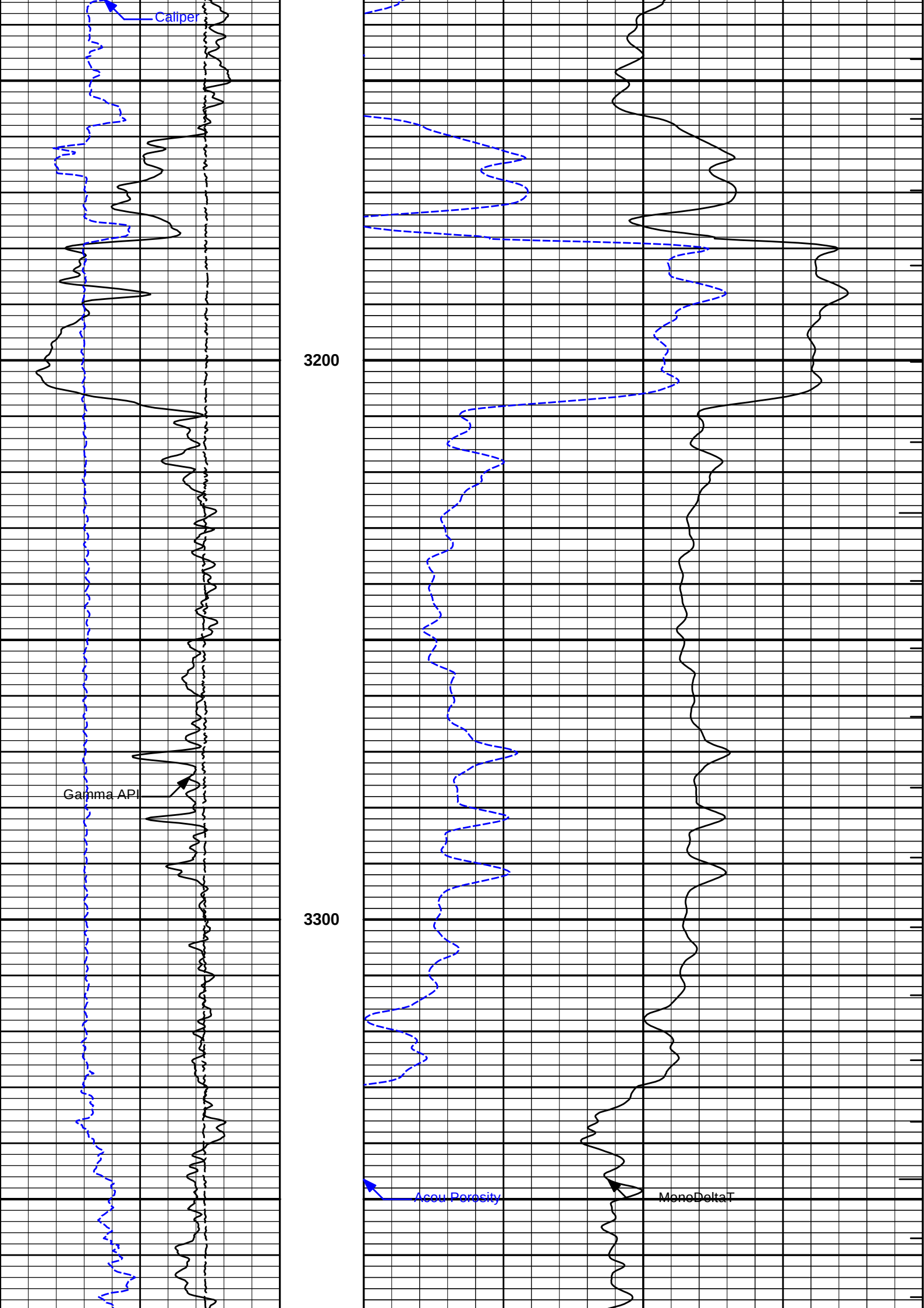
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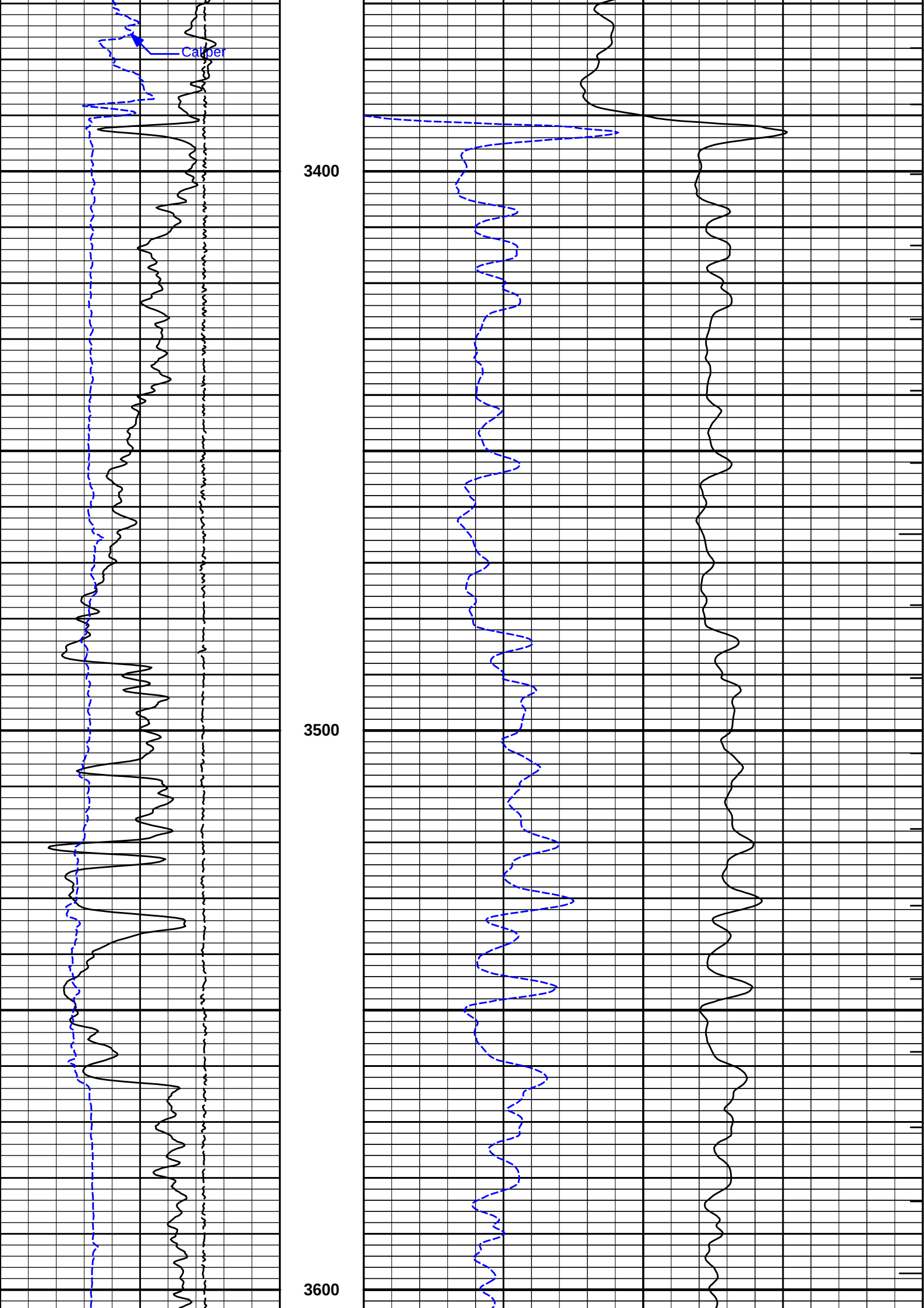
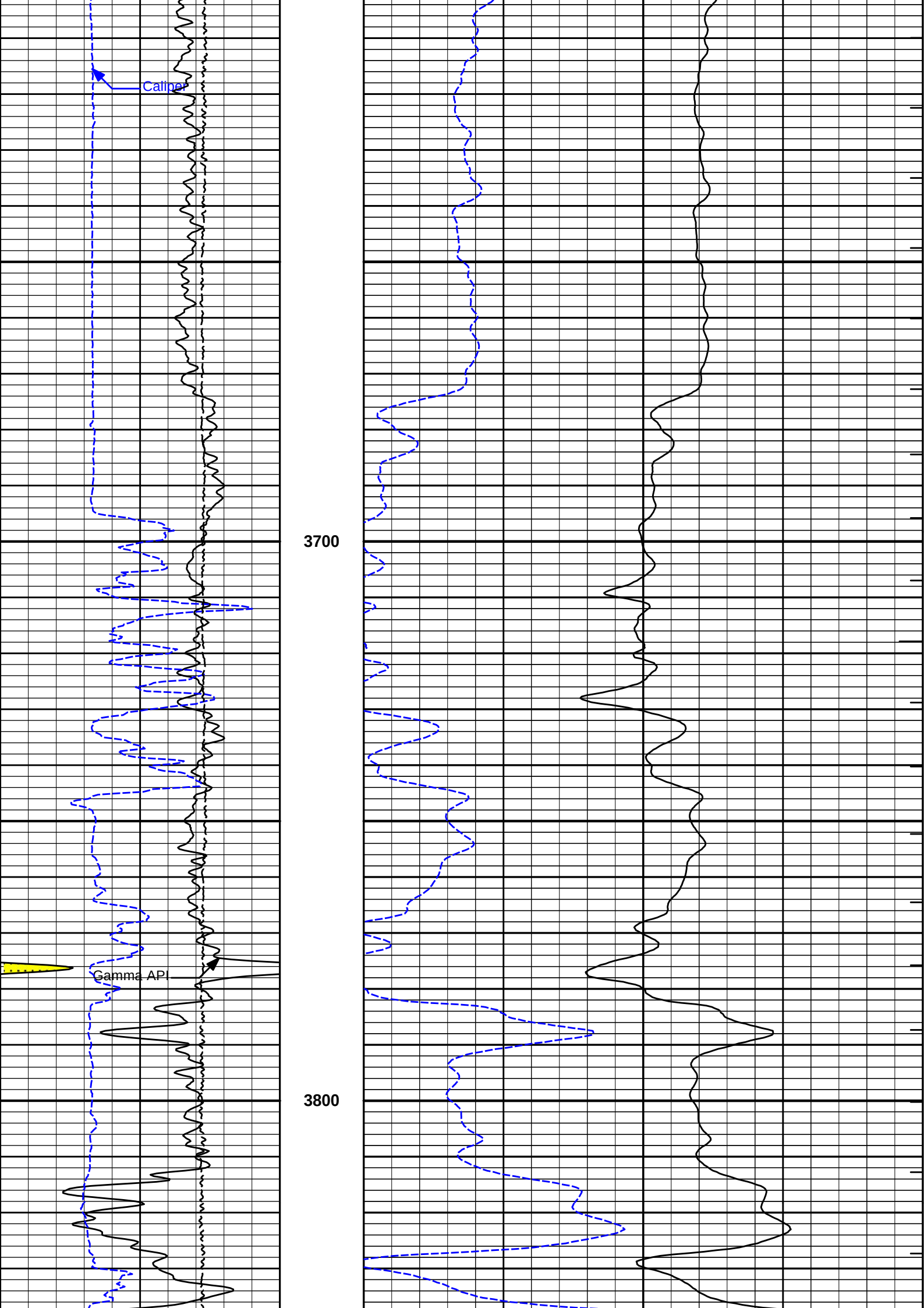
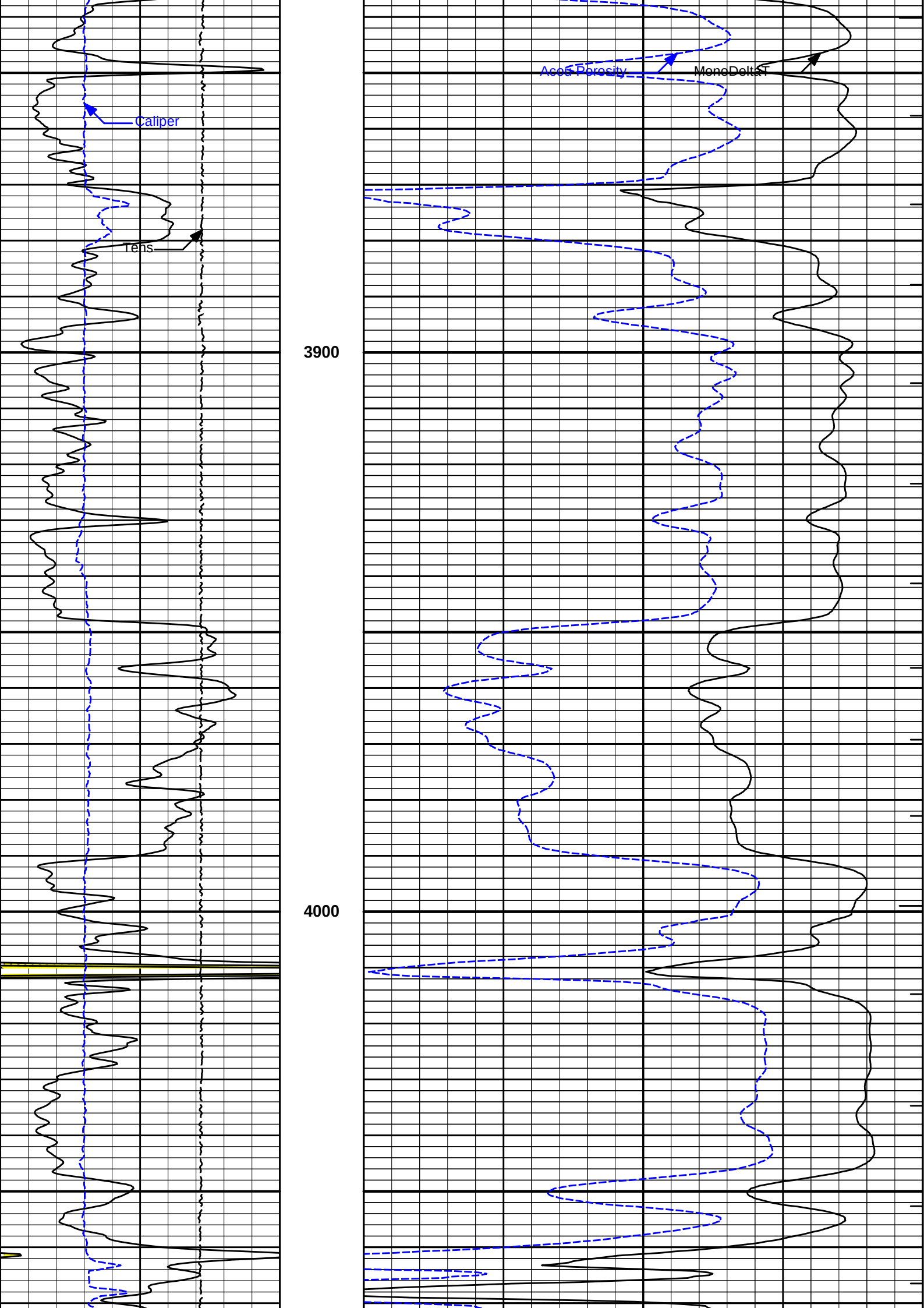
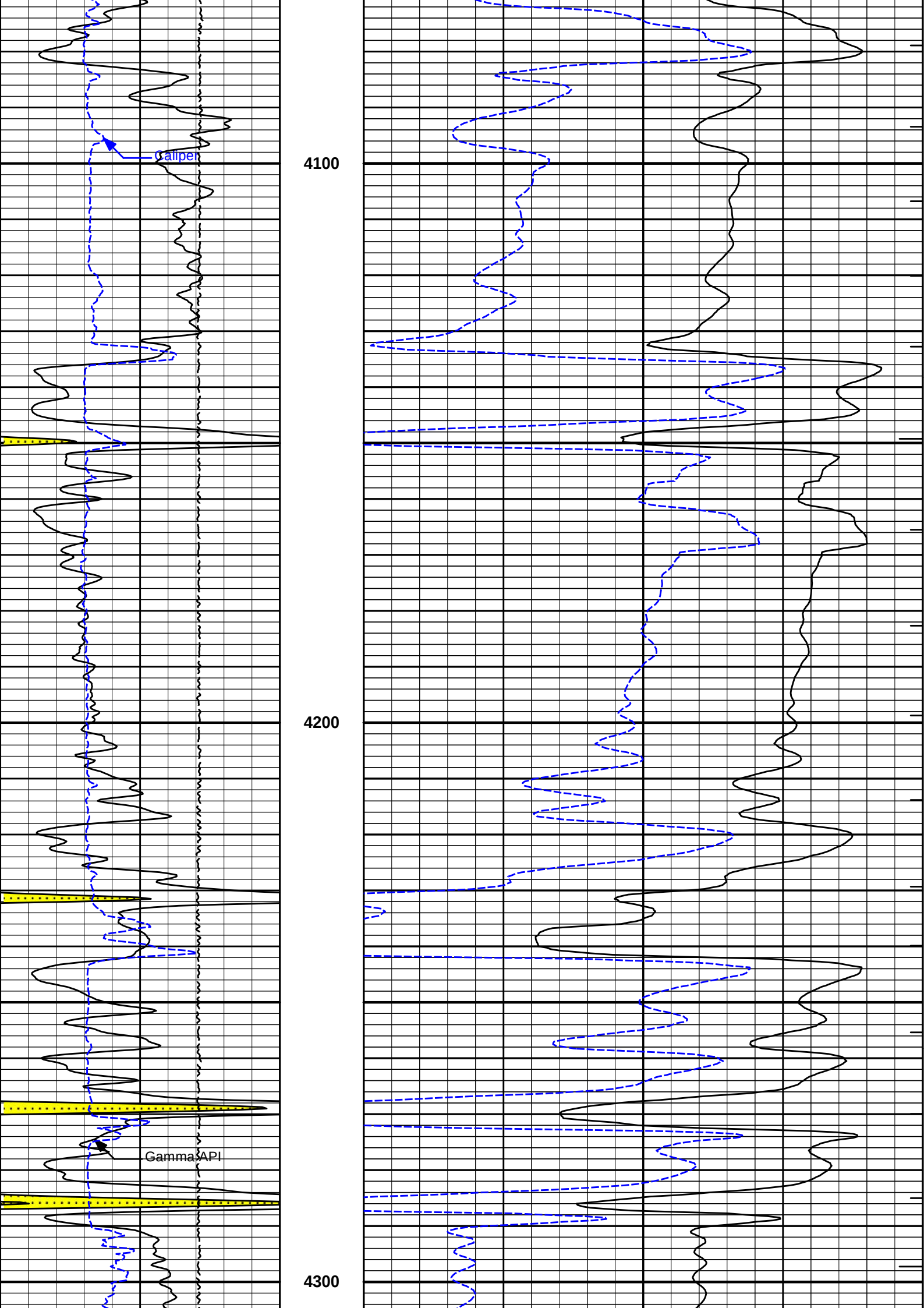
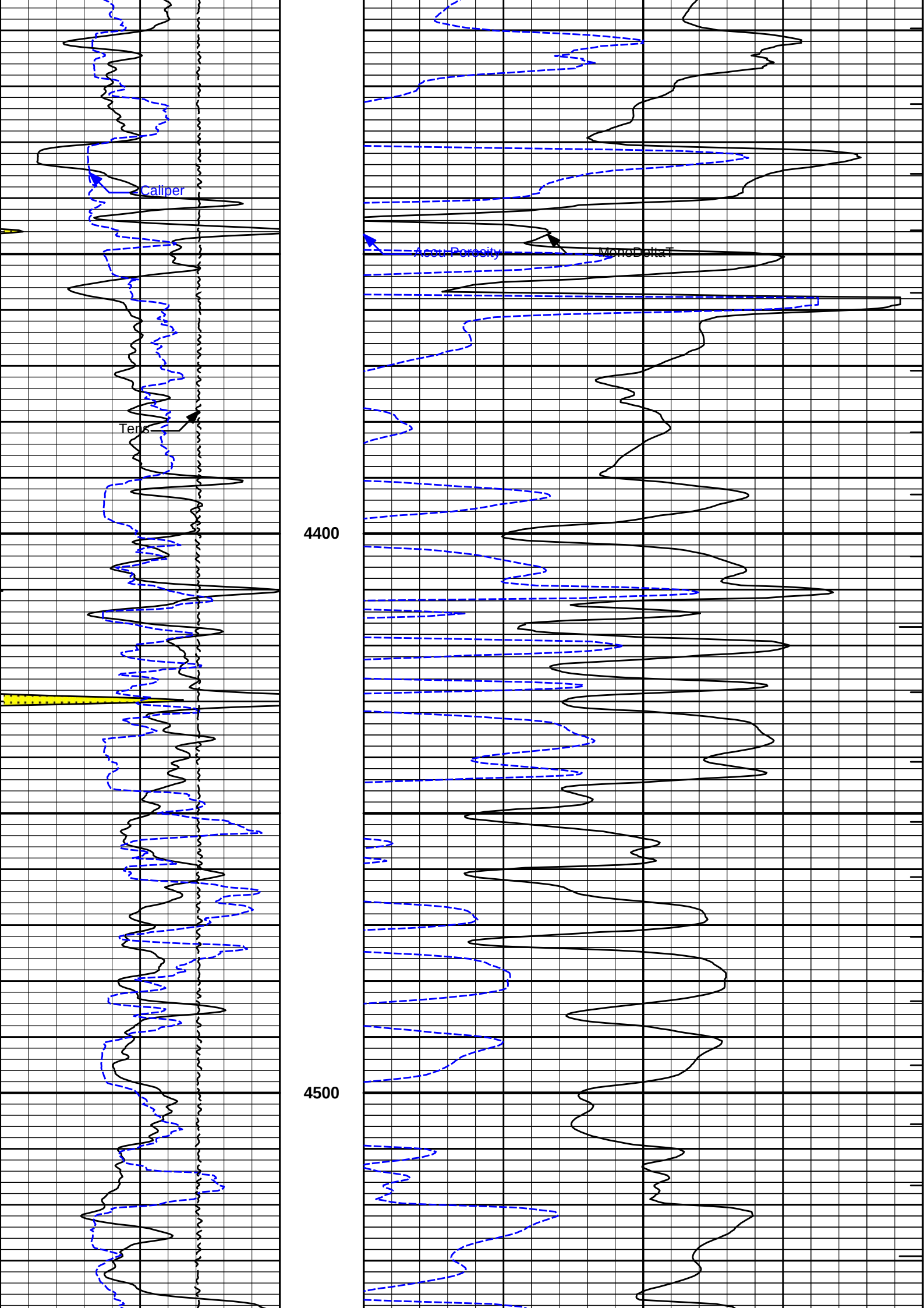
Acou Porosity
MonoDeltaT

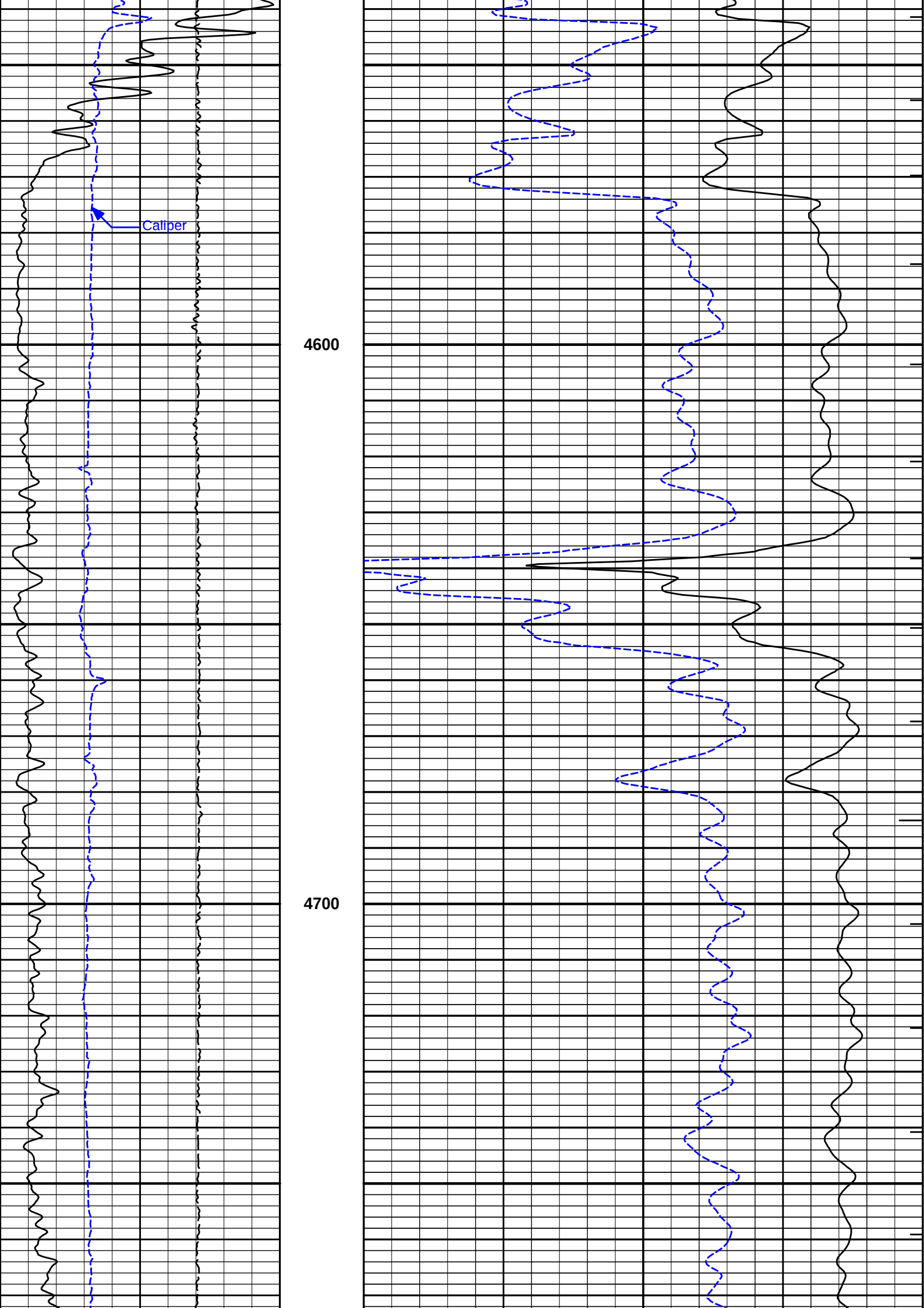

Caliper
3400
3500
3600

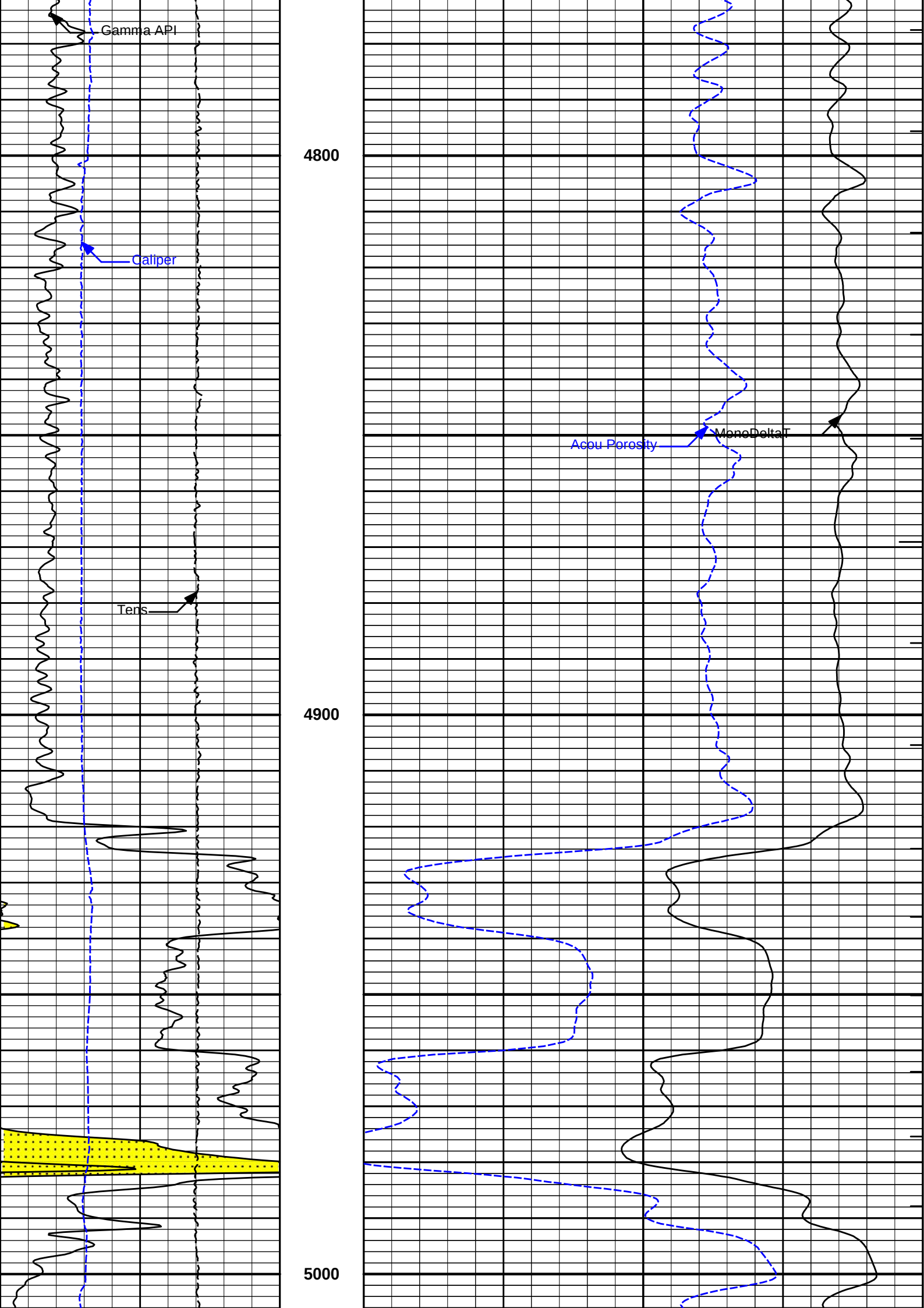

Caliper
3700
Gamma API
3800

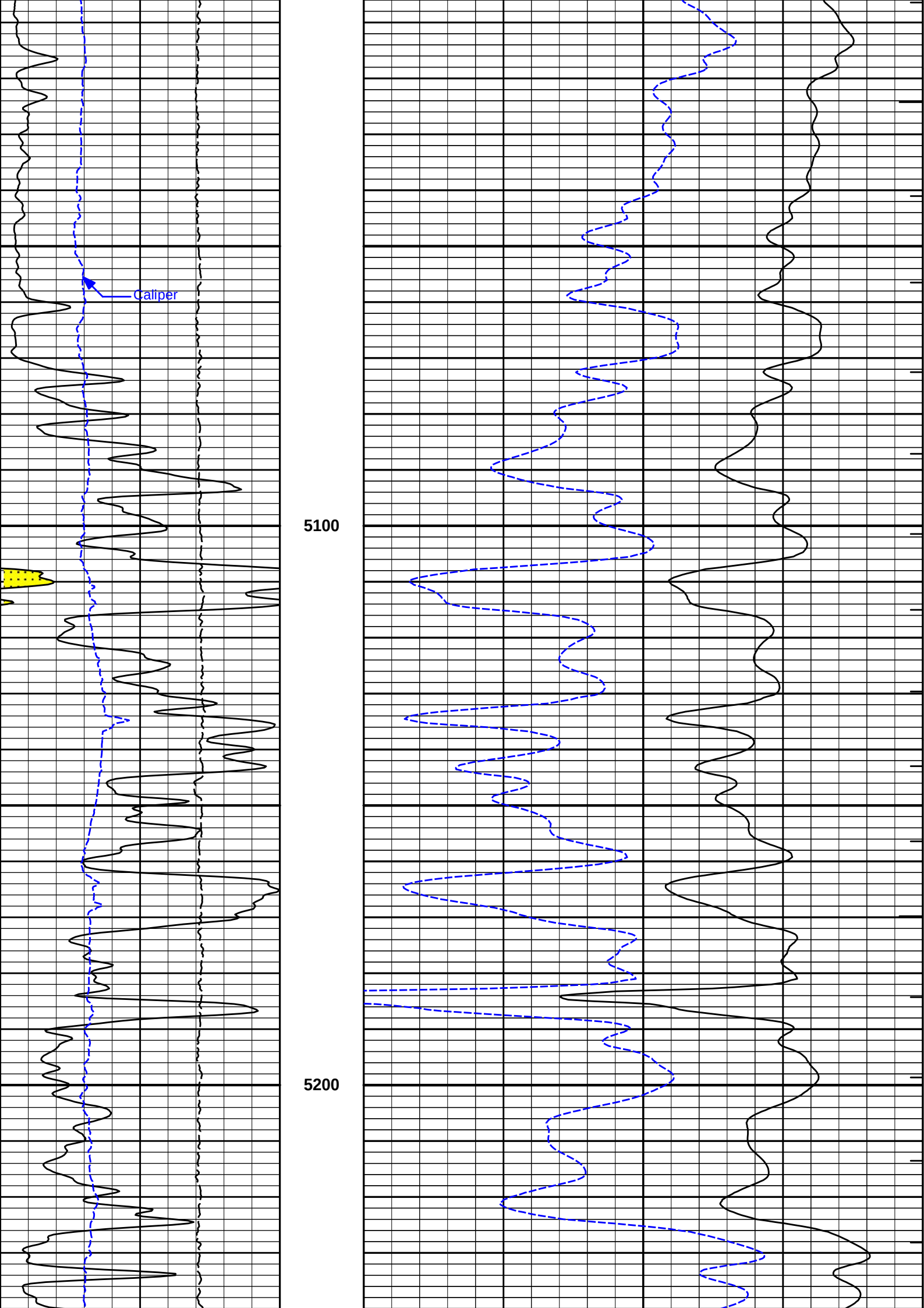

Caliper
Tens
3900
Acos Porosity
MonoDoltST
4000

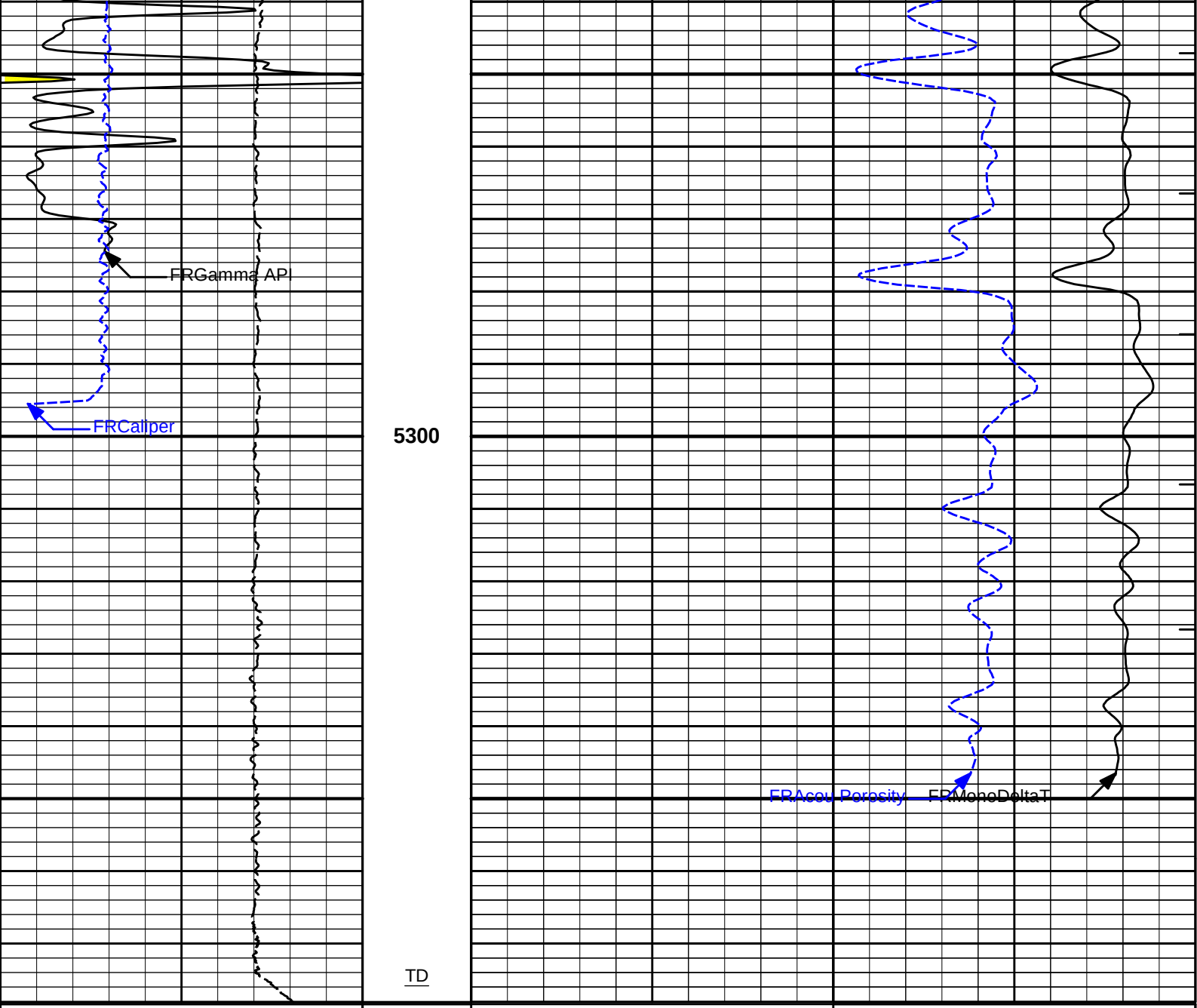

Caliper
4100
4200
Gamma API
4300


Caliper
Tens
AccuPorosity
MonoDeltaT
4400
4500


Caliper
4600
4700


Gamma API
Caliper
Tens
Acou Porosity
MonoDeltaT
4800
4900
5000


Caliper
5100
5200



0 Gamma API 150		ITTT
api		
15K Tens 0	1 : 240	0.3 Acou Porosity -0.1
pounds	ft	decp
6 Caliper 16		140 MonoDeltaT 40
inches		microsec per ft

HALLIBURTON

Plot Time: 05-Oct-17 09:14:26
Plot Range: 300 ft to 5378.08 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-004\
Plot File: \\DT\WSTT_DT_5inch

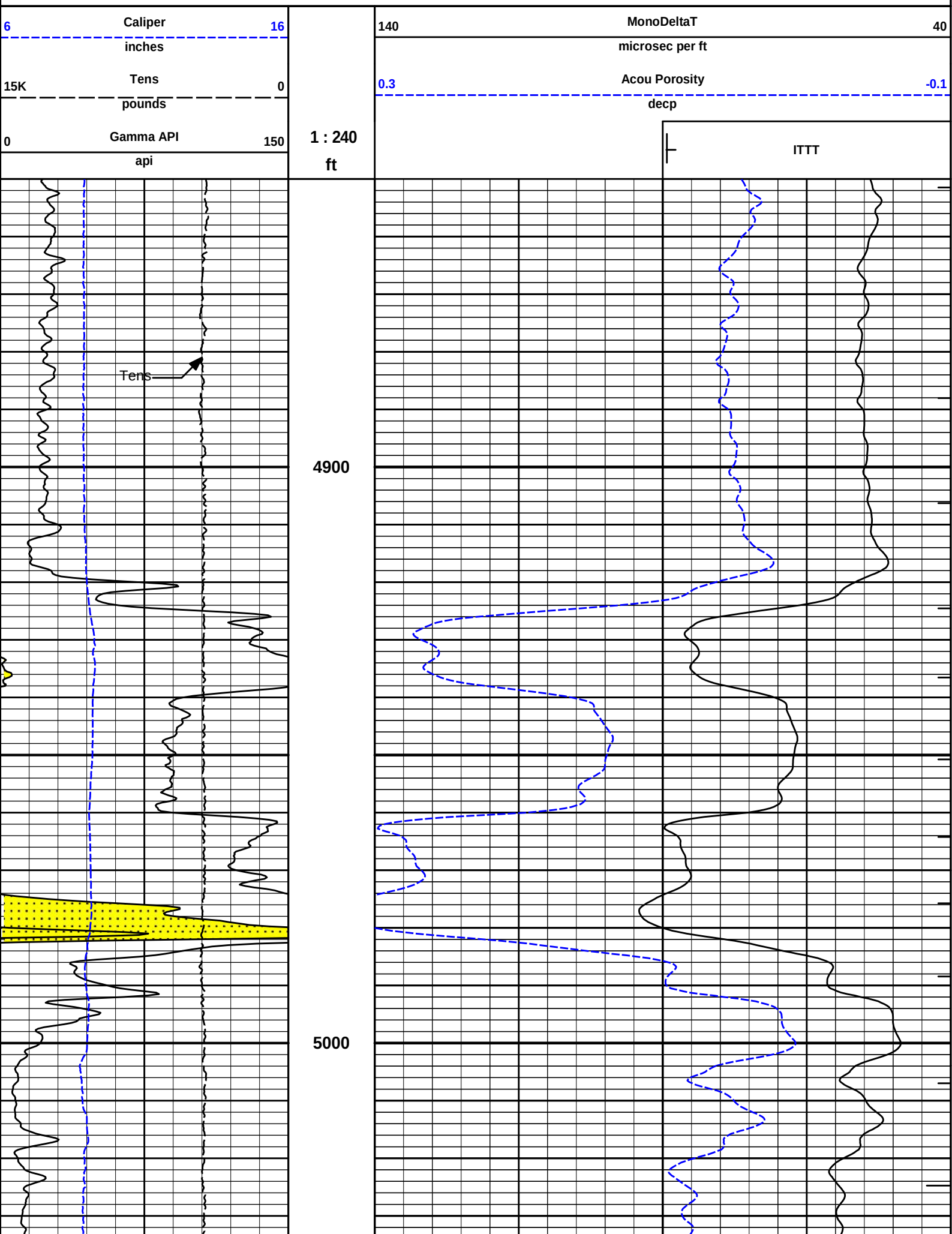
5 INCH MAIN LOG

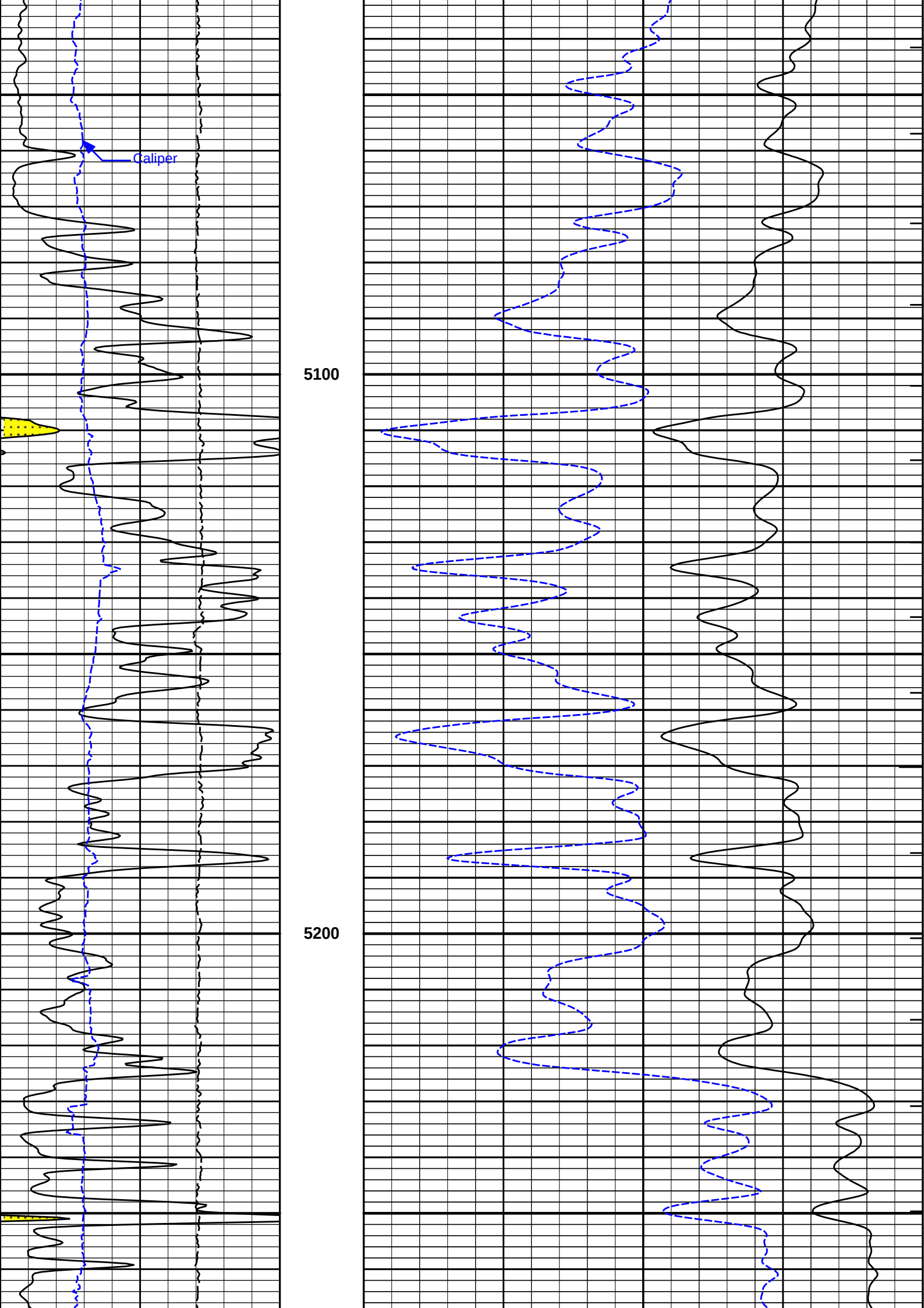
HALLIBURTON

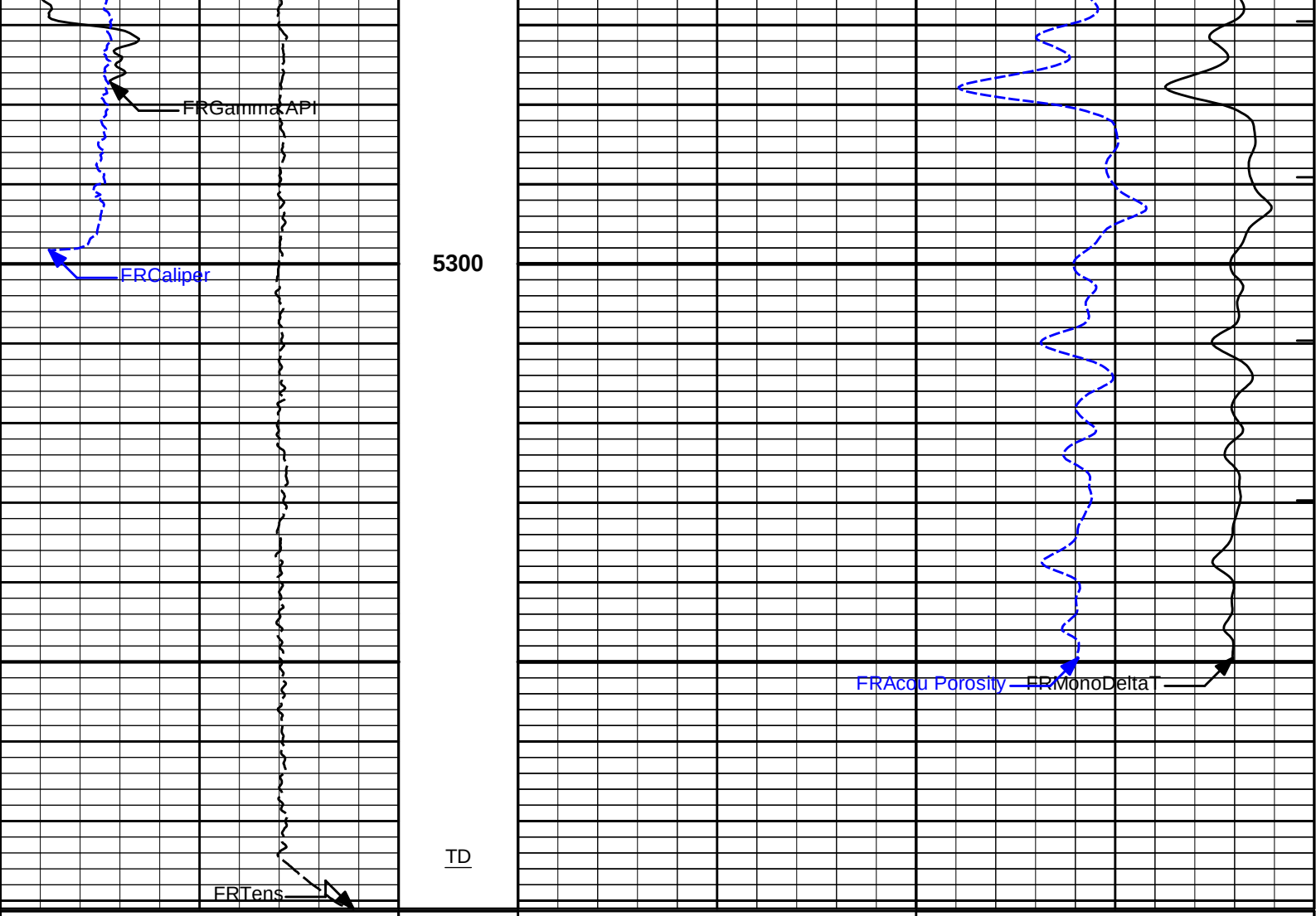
Plot Time: 05-Oct-17 09:14:27
Plot Range: 4850 ft to 5381 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-003\
Plot File: \\DT\WSTT_DT_5inch

REPEAT SECTION

REPEAT SECTION




Caliper
5100
5200



HALLIBURTON

Plot Time: 05-Oct-17 09:14:29
Plot Range: 4850 ft to 5381 ft
Data: DESTINY_LINDA\Well Based\DAQ-0001-003\
Plot File: \\DT\WSTT_DT_5inch

REPEAT SECTION

HALLIBURTON

CALIBRATION REPORT

SURFACE TENSION SHOP CALIBRATION

Tool Name:	Depth Panel - PROT01	Reference Calibration Date:	07-Sep-17 10:42:25
Engineer:	MICHAEL RICHTER	Calibration Date:	01-Oct-17 13:42:57
Software Version:	WL INSITE R5.0.5 (Build 8)	Calibration Version:	1

SURFACE TENSION LOAD CELL

Measurement	Load Cell Value	Measurement	Calibrated	Units

Low	10816.53	58.43	0.00	lbs
High	17331.66	7897.67	7830.00	lbs

DOWNHOLE TENSION SHOP CALIBRATION

Tool Name: CH_HOS - CH_HOS_I
Reference Calibration Date: 01-Oct-17 13:46:35
Engineer: WHITLOCK
Calibration Date: 05-Oct-17 02:55:06
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1

DOWNHOLE LOAD CELL

Measurement	Tool Value	Measurement	Calibrated	Units
Low	-480.42	44.31	0.00	lbs
High	7781.74	2741.47	2250.00	lbs

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name: GTET - 11021139
Reference Calibration Date: 03-Aug-17 01:40:19
Engineer: WHITLOCK
Calibration Date: 23-Sep-17 12:22:06
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1

Calibrator Source S/N: TB79
Calibrator API Reference:222.00 api
Equivalent Calibrator API Reference:225.9 api

Measurement	Measured	Calibrated	Units
Background	18.8	18.6	api
Background + Calibrator	247.0	244.5	api
Calibrator	228.2	225.9	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name: GTET - 11021139
Reference Calibration Date: 23-Sep-17 12:22:06
Engineer: WHITLOCK
Calibration Date: 04-Oct-17 10:26:06
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1

Calibrator Source S/N: TB79
Calibrator API Reference:222.00 api
Equivalent Calibrator API Reference:225.9 api

Field Verification	Shop	Field	Units
Background	18.6	20.9	api
Background + Calibrator	244.5	245.7	api
Calibrator	225.9	224.8	api

Shop	Field	Difference	Tolerance
225.9	224.8	1.1	+/- 9.00

DUAL SPACED NEUTRON SHOP CALIBRATION

Tool Name: DSNT - 11020487
Reference Calibration Date: 05-Jun-17 14:14:28
Engineer: MICHAEL RICHTER
Calibration Date: 03-Aug-17 01:56:12
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1

Logging Source S/N: DSN-436
Tank Serial Number: EL RENO
Reference value assigned to Tank: 56.100
Snow Block S/N: 12156883
Calibration Tank Water Temperature: 72 degF
Min. Tool Housing Outside Diameter: 3.625 in

CALIBRATION CONSTANTS

Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	0.99837	0.99685	0.900 - 1.100

WATER TANK SUMMARY (Horizontal Water Tank)

WATER TANK SUMMARY (Horizontal Water Tank)				
Measurement	Current Reading (Previous Coef.)	Calibrated (New Coef.)	Change	Control Limit On Change
Porosity (decp):	0.2363	0.2358	0.0005	+/- 0.0020
Calibrated Ratio:	10.5757	10.5596	0.016	+/- 0.050

VERIFIER		
Measurement	Value	Control Limit
Snow-Block Porosity (decp):	0.0746	0.02000 - 0.09000

PASS/FAIL SUMMARY	
Background Check:	Passed
Gain-Range Check:	Passed
Snow-Block Check:	Passed

DUAL SPACED NEUTRON FIELD CALIBRATION

Tool Name: DSNT - 11020487 **Reference Calibration Date:** 03-Aug-17 01:56:12

Engineer: WHITLOCK **Calibration Date:** 04-Oct-17 10:36:11

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

Logging Source S/N: DSN-436

Snow Block S/N: 12156883

NEUTRON FIELD-CHECK SUMMARY				
	Shop	Field	Difference	Control Limit On Change
Snow-Block Porosity (decp):	0.0746	0.0691	-0.0054	+/- 0.0150

PASS/FAIL SUMMARY	
Block Change Check:	Passed
Snow Block Stat Check:	Passed
Temperature Check:	Passed

DENSITY CALIPER SHOP CALIBRATION

Tool Name: SDLT - 11014296 **Reference Calibration Date:** 06-Nov-16 12:09:13

Engineer: MICHAEL RICHTER **Calibration Date:** 15-Mar-17 09:33:53

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

Host Tool Name: DSNT - 11020487

CALIBRATION COEFFICIENTS			
Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-4335.63	-4512.85	-7000.00 - -1000.00
Pad Gain	0.0003910	0.0004190	0.0002000 - 0.0006000
Arm Offset	-3121.03	-2559.45	-5000.00 - 3000.00
Arm Gain	0.0005117	0.0005078	0.000300 - 0.000700
Arm Power	-0.000003980	-0.000003959	-0.000010000 - 0.000010000

The ring diameter is computed from: DIAMETER = PAD EXTENSION + ARM EXTENSION + TOOL DIAMETER

Tool Diameter: 4.50 in

CALIBRATION RINGS				
Measurement	Current Reading (Previous Coeff.)	Calibrated (New Coeff.)	Change	Control Limit On New Value
PAD EXTENSION:				
Small Ring (in)	1.94	2.00	0.06	+/- 0.20
Medium Ring (in)	3.57	3.75	0.18	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.31	6.50	0.19	+/- 0.20
Medium Ring (in)	8.08	8.25	0.17	+/- 0.20
Large Ring (in)	14.92	15.00	0.08	+/- 0.20

PASS/FAIL SUMMARY	
Calibration-Coefficients Range Check:	Passed
Ring-Measurement Check:	Passed

PASS/FAIL SUMMARY	
Calibration-Coefficients Range Check:	Passed

SDLT CALIPER FIELD CALIBRATION

Tool Name: SDLT - 11014296 **Reference Calibration Date:** 15-Mar-17 09:33:53

Engineer: WHITLOCK **Calibration Date:** 04-Oct-17 10:11:22

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

MEASURED CALIPER VALUES

Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.84	0.09	+/- 0.10
Ring Diameter	8.25	8.31	0.06	+/- 0.15

PASS/FAIL SUMMARY	
Pad Extension Check:	Passed
Diameter Check:	Passed

ICT SHOP CALIBRATION

Tool Name: ICT Mandrel - 11019427 **Reference Calibration Date:** 13-Mar-17 09:40:53

Engineer: WHITLOCK **Calibration Date:** 18-Jul-17 15:19:04

Software Version: WL INSITE R5.0.5 (Build 8) **Calibration Version:** 1

CALIPERS AND RINGS

Ring	Measured	Calibrated	Units
CALIPER 1:			
Small Ring	3.66	3.65	in
Medium Ring	7.95	8.00	in
Large Ring	14.93	15.00	in
X-Large Ring	20.97	21.00	in
CALIPER 2:			
Small Ring	3.61	3.65	in
Medium Ring	7.93	8.00	in
Large Ring	14.88	15.00	in
X-Large Ring	20.97	21.00	in
CALIPER 3:			
Small Ring	3.56	3.65	in
Medium Ring	7.98	8.00	in
Large Ring	14.88	15.00	in
X-Large Ring	20.99	21.00	in
CALIPER 4:			
Small Ring	3.61	3.65	in
Medium Ring	8.12	8.00	in
Large Ring	15.14	15.00	in
X-Large Ring	21.13	21.00	in
CALIPER 5:			
Small Ring	3.67	3.65	in
Medium Ring	8.17	8.00	in
Large Ring	15.15	15.00	in
X-Large Ring	21.07	21.00	in
CALIPER 6:			
Small Ring	3.71	3.65	in
Medium Ring	7.97	8.00	in
Large Ring	14.91	15.00	in
X-Large Ring	21.02	21.00	in

X-Large Ring	21.02	21.00	in

ICT FIELD CALIBRATION

Tool Name:	**ICT Mandrel - 11019427**	**Reference Calibration Date:**	**18-Jul-17 15:19:04**
Engineer:	**WHITLOCK**	**Calibration Date:**	**18-Jul-17 15:21:59**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**

CALIPERS

Caliper	Shop	Field	Units
Caliper 1	8.00	7.99	in
Caliper 2	8.00	8.01	in
Caliper 3	8.00	8.04	in
Caliper 4	8.00	7.94	in
Caliper 5	8.00	7.89	in
Caliper 6	8.00	7.94	in

ACCELEROMETER AND MAGNETOMETER SHOP CALIBRATION

Tool Name:	**IDT - 10967514**	**Reference Calibration Date:**	**10-Nov-14 11:33:34**
Engineer:	**COTHREN**	**Calibration Date:**	**14-Dec-16 12:26:23**
Software Version:	**WL INSITE R4.6.4 (Build 3)**	**Calibration Version:**	**1**

Reference Gravity Field: 1.0000 g

Reference Magnetic Field: 51335.0000 nT

* QF : value of 0 is shown for bad quality if | data - reference | > (2 * standard deviation) and > (0.5% of reference value)

ACCELEROMETER CALIBRATION RAW DATA VALUE

Raw Acc X	Raw Acc Y	Raw Acc Z	Quality(Gravity)	Quality Error(%)	QF
0.1268	-0.7113	-0.0141	0.9994	99.9424	1
-0.7403	-0.0252	-0.0129	0.9992	99.9235	1
-0.0432	0.7420	-0.0113	1.0003	99.9746	1
0.7158	0.0658	-0.0112	0.9999	99.9905	1
-0.0175	0.7407	-0.0100	0.9977	99.7671	1
-0.2114	0.6948	0.0680	1.0009	99.9141	1
0.0781	0.7377	-0.0090	1.0012	99.8774	1
0.7151	0.0759	-0.0091	1.0001	99.9870	1
0.0491	-0.7229	-0.0102	1.0006	99.9353	1
-0.7344	0.1122	-0.0101	1.0002	99.9807	1
-0.1668	0.0184	0.3437	0.9999	99.9925	1
-0.7176	0.0946	-0.1010	1.0005	99.9493	1

ACCELEROMETER QUALITY SUMMARY

Average Calculated Gravity Field	1.0000	g
Standard Deviation Calculated Gravity Field	0.0009	g

ACCELEROMETER GAIN AND OFFSET

	GAIN	OFFSET
ACC X	1.3699508905	0.0160978194
ACC Y	1.3627022505	-0.0118573820
ACC Z	2.7102901936	0.0454349816

* QF : value of 0 is shown for bad quality if | data - reference | > (3 * standard deviation) and > (1% of reference value)

MAGNETOMETER CALIBRATION RAW DATA VALUE

Raw Mag X	Raw Mag Y	Raw Mag Z	Quality(Magnetic)	Quality Error(%)	QF
0.3189	1.2136	-0.0366	51305.3477	99.9422	1
1.1457	-0.4995	-0.0357	51326.3047	99.9831	1
-0.4790	-1.1617	-0.0382	51247.0586	99.8287	1
-1.1473	0.4544	-0.0380	51335.7422	99.9986	1
-0.0417	-1.1452	0.5204	51472.4219	99.7323	1
0.3664	-1.1738	-0.2978	51207.5703	99.7518	1

-0.0956	-1.1427	-0.5514	51429.5430	99.8158	1
-1.1056	-0.1453	-0.5516	51324.2305	99.9790	1
-0.1284	1.1286	-0.5495	51366.8320	99.9380	1
1.1259	-0.1261	-0.5477	51451.1289	99.7738	1
0.6240	-0.3637	1.0059	51288.5703	99.9096	1
0.9562	-0.0795	-0.8158	51261.5703	99.8570	1

MAGNETOMETER QUALITY SUMMARY		
Average Calculated Magnetic Field	51334.6953	nT
Standard Deviation Calculated Magnetic Field	82.5240	nT

MAGNETOMETER GAIN AND OFFSET		
	GAIN	OFFSET
MAG X	41430.1796875000	-265.9770507813
MAG Y	40740.3945312500	197.8235168457
MAG Z	41000.8906250000	735.6057739258

Noise Level Value: 0.000803 cnts

Noise Level Cal Value: 0.0022 g

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name:	**ACRt Sonde - 11038385**	**Reference Calibration Date:**	**12-Sep-17 13:48:00**
Engineer:	**JORGE ORLANDO PEREZ**	**Calibration Date:**	**12-Sep-17 13:58:19**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**
Host Tool Name:	**ACRt Instrument - 11055059**		

TYPICAL GAIN RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.0395	1.05	0.95	1.0229	1.05	0.95	1.0146	1.05
A2 (50")	0.95	1.0409	1.05	0.95	1.0225	1.05	0.95	1.0165	1.05
A3 (29")	0.95	1.0384	1.05	0.95	1.0194	1.05	0.95	1.0115	1.05
A4 (17")	0.95	1.0343	1.05	0.95	1.0133	1.05	0.95	1.0069	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.0083	1.05	0.95	0.9989	1.05
A6 (6")	N/A	N/A	N/A	0.95	1.0000	1.05	0.95	0.9929	1.05

SONDE OFFSET

Subarray	R12KHz	R36KHz	R72KHz
	(mmho/m)	(mmho/m)	(mmho/m)
A1 (80")	0.702	-4.637	-5.501
A2 (50")	-0.771	-4.034	-5.172
A3 (29")	-13.230	-3.699	-3.350
A4 (17")	-110.240	-33.969	-26.356
A5 (10")	N/A	-83.665	-41.621
A6 (6")	N/A	333.771	173.557

TRANSMITTER CURRENT GAIN

Signal	Lower	R	Upper
12K	0.6	0.90	1.3
36K	1.0	1.36	2.0
72K	1.0	1.62	2.0

R-MUD VERIFICATION

Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
Mud Cell	0.95	1.00	1.05

PASS/FAIL SUMMARY	
GAIN RANGE CHK	PASS
SONDE OFFSET CHK	PASS

TOOL OK TO LOG

QUALITY CHECK SHOP CALIBRATION

Tool Name:	**ACRt Sonde - 11038385**	**Reference Calibration Date:**	**12-Sep-17 13:59:44**
Engineer:	**JORGE ORLANDO PEREZ**	**Calibration Date:**	**12-Sep-17 14:00:57**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**
Host Tool Name:	**ACRt Instrument - 11055059**		

STANDARD DEVIATIONS

	R12KHz			R36KHz			R72KHz		
	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail
A1 (80")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A2 (50")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A3 (29")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A4 (17")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A5 (10")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A6 (6")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass

AVERAGES

	R12KHz			R36KHz			R72KHz		
	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail
A1 (80")	0.000	< 0.500	Pass	-0.001	> -0.500	Pass	-0.006	> -0.500	Pass
A2 (50")	0.000	< 0.500	Pass	-0.001	> -0.500	Pass	-0.005	> -0.500	Pass
A3 (29")	-0.000	< 0.500	Pass	-0.001	> -0.500	Pass	-0.003	> -0.500	Pass
A4 (17")	-0.003	> -0.500	Pass	-0.008	> -0.500	Pass	-0.027	> -0.500	Pass
A5 (10")	-0.012	> -0.500	Pass	-0.020	> -0.500	Pass	-0.043	> -0.500	Pass
A6 (6")	0.015	< 0.500	Pass	0.074	< 0.500	Pass	0.160	< 0.500	Pass

GAIN TOLERANCE

R12KHz

	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail
A1 (80")	-223155904.000	-223150640.000	5264.000	11157532.000	Pass
A2 (50")	-220713888.000	-220710416.000	3472.000	11035520.800	Pass
A3 (29")	-216614880.000	-216612000.000	2880.000	10830600.000	Pass
A4 (17")	-214578320.000	-214578224.000	96.000	10728911.200	Pass
A5 (10")	-214986432.000	-214982096.000	4336.000	10749104.800	Pass
A6 (6")	-214394544.000	-214391936.000	2608.000	10719596.800	Pass

R36KHz

	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail
A1 (80")	60628184.000	60610992.000	17192.000	3030549.600	Pass
A2 (50")	62049960.000	62033248.000	16712.000	3101662.400	Pass
A3 (29")	53214172.000	53197224.000	16948.000	2659861.200	Pass
A4 (17")	50561756.000	50544860.000	16896.000	2527243.000	Pass
A5 (10")	52600244.000	52584856.000	15388.000	2629242.800	Pass
A6 (6")	50656572.000	50641704.000	14868.000	2532085.200	Pass

R72KHz

	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail
A1 (80")	-92698504.000	-92694664.000	3840.000	4634733.200	Pass
A2 (50")	-89662344.000	-89657152.000	5192.000	4482857.600	Pass
A3 (29")	-89109216.000	-89105528.000	3688.000	4455276.400	Pass
A4 (17")	-84842648.000	-84836840.000	5808.000	4241842.000	Pass
A5 (10")	-83337800.000	-83332480.000	5320.000	4166624.000	Pass

A6 (6")	-84561904.000	-84554136.000	7768.000	4227706.800	Pass

PASS/FAIL SUMMARY	
Std Deviation Verification	Pass
Average Verification	Pass
Gain Tolerance Verification	Pass

MICRO LOG SHOP CALIBRATION

Tool Name: Microlog Pad - 11014296
Reference Calibration Date: 06-Jun-17 12:12:34
Engineer: MICHAEL RICHTER
Calibration Date: 03-Aug-17 02:26:45
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1
Host Tool Name: DSNT - 11020487

CALIBRATION COEFFICIENT SUMMARY

Measurement	Micro Log Normal		Micro Log Lateral		
	Measured	Calibrated	Measured	Calibrated	Units
Tool Zero	-0.21	-0.43	-0.01	0.00	ohmm
Calibration Point #1	0.23	0.00	-0.01	0.00	ohmm
Calibration Point #2	20.26	20.00	20.00	20.00	ohmm
Internal Reference	19.85	19.59	20.01	20.01	ohmm

Measurement	Micro Log Normal Tool Value	Micro Log Lateral Tool Value	Units
Tool Zero	-0.14	-1.30	V
Calibration Point #1	115.47	-2.05	V
Calibration Point #2	5448.88	6908.76	V
Internal Reference	5338.32	6913.91	V

MICRO LOG FIELD CHECK

Tool Name: Microlog Pad - 11014296
Reference Calibration Date: 03-Aug-17 02:26:45
Engineer: WHITLOCK
Calibration Date: 04-Oct-17 10:56:14
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1

Measurement	Micro Log Normal		Micro Log Lateral		
	Shop	Field	Shop	Field	Units
Tool Zero	-0.43	-0.44	0.00	0.01	ohmm
Internal Reference	19.59	19.46	20.01	19.88	ohmm

Summary

Signal	Shop	Field	Difference	Tolerence
Microlog Normal	19.59	19.46	0.13	+/- 0.80
Microlog Lateral	20.01	19.88	0.13	+/- 0.80

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name: SDLT Pad - 10809130
Reference Calibration Date: 25-May-17 12:11:12
Engineer: MICHAEL RICHTER
Calibration Date: 03-Aug-17 02:19:19
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1

Logging Source S/N: 5155GW
Aluminum Block S/N: EL RENO — Density: 2.581g/cc — Pe: 3.170
Magnesium Block S/N: EL RENO MG — Density: 1.687g/cc — Pe: 2.594

DENSITY CALIBRATION SUMMARY

Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	1.0466	0.9648	0.90 - 1.10
Near Dens Gain	1.0202	0.9664	0.90 - 1.10
Near Peak Gain	1.0587	0.9808	0.90 - 1.10

Near Lith Gain	1.0474	0.9899	0.90 - 1.10
Far Bar Gain	1.0144	1.0063	0.90 - 1.10
Far Dens Gain	1.0018	0.9910	0.90 - 1.10
Far Peak Gain	0.9968	0.9885	0.90 - 1.10
Far Lith Gain	0.9703	0.9595	0.90 - 1.10

Near Bar Offset	-0.1512	0.5881	NONE
Near Dens Offset	0.0840	0.5517	NONE
Near Peak Offset	-0.2272	0.4091	NONE
Near Lith Offset	-0.1986	0.2702	NONE
Far Bar Offset	0.0686	0.1331	NONE
Far Dens Offset	0.1508	0.2380	NONE
Far Peak Offset	0.1449	0.2044	NONE
Far Lith Offset	0.2786	0.3450	NONE

Near Bar Background	815.93	813.79	700 - 1450
Near Dens Background	269.20	265.74	230 - 480
Near Peak Background	115.80	115.36	100 - 210
Near Lith Background	146.10	144.32	125 - 260
Far Bar Background	479.68	477.53	450 - 900
Far Dens Background	184.50	185.37	175 - 345
Far Peak Background	72.51	72.20	70 - 140
Far Lith Background	76.60	75.50	75 - 145

CALIBRATION BLOCK SUMMARY

Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.689	1.687	-0.002	+/- 0.015
Pe	2.521	2.561	0.040	+/- 0.150
ALUMINUM				
Density (g/cc)	2.574	2.580	0.006	+/- 0.01500
Pe	3.085	3.134	0.049	+/- 0.150

TOOL SUMMARY

Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	0.0002	+/- 0.0110	-0.0029	+/- 0.0140
Magnesium Block	-0.0013	+/- 0.0110	-0.0010	+/- 0.0140
Aluminum Block	-0.0009	+/- 0.0110	-0.0014	+/- 0.0140
Resolution	8.91	6.00 - 11.50	9.49	6.00 - 11.50
Internal Verifier(B+D+P+L)	1339	1200 - 2700	811	800 - 1700

PASS/FAIL SUMMARY

Background Quality Check:	Passed
Background Range Check:	Passed
Background Resolution Check:	Passed
Background Verification Check:	Passed
Magnesium Quality Check:	Passed
Aluminum Quality Check:	Passed
Gains Check:	Passed
Changes in Calibration Blocks:	Passed

SPECTRAL DENSITY FIELD CHECK

Tool Name: **SDLT Pad - 10809130** **Reference Calibration Date:** **03-Aug-17 02:19:19**

Engineer:	**WHITLOCK**	**Calibration Date:**	**04-Oct-17 11:00:05**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**

Pad Temperature: 70.0 degF

DENSITY FIELD CALIBRATION SUMMARY

Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1339.219	1341.398	2.179	14.801
Far (B+D+P+L) cps	810.608	809.039	-1.569	15.737
Near Resolution	8.91	8.94	0.030	0.50
Far Resolution	9.49	9.33	-0.160	1.00

PASS/FAIL SUMMARY

Bkg Quality Check:	Passed
Bkg Resolution Check:	Passed
Bkg Verification Check:	Passed

CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
Depth Panel-PROT01						
Tension Zero	0.00	----------	----------	0.00	----------	lbs
Tension Cal	7830.00	----------	----------	0.00	----------	lbs
CH_HOS-CH_HOS_I						
DH Tension Zero	0.00	----------	----------	0.00	----------	lbs
DH Tension Cal	2250.00	----------	----------	0.00	----------	lbs
GTET-11021139						
Gamma Ray Calibrator	225.9	224.8	----------	1.1	+/- 9.00	api
DSNT-11020487						
Snow-Block Porosity	0.0746	0.0691	----------	0.0055	+/- 0.0150	decp
SDLT-11014296						
Pad Extension	3.75	3.84	----------	-0.09	+/-0.10	in
Ring Diameter	8.25	8.31	----------	-0.06	+/-0.15	in
ICT Mandrel-11019427						
Caliper 1	8.00	7.99	----------	0.01	+/-0.25	in
Caliper 2	8.00	8.01	----------	-0.01	+/-0.25	in
Caliper 3	8.00	8.04	----------	-0.04	+/-0.25	in
Caliper 4	8.00	7.94	----------	0.06	+/-0.25	in
Caliper 5	8.00	7.89	----------	0.11	+/-0.25	in
Caliper 6	8.00	7.94	----------	0.06	+/-0.25	in
ACRt Sonde-11038385						
Mud Cell	1.00	----------	----------	0	----------	ohm-m
Microlog Pad-11014296						
MicroLog Normal	19.59	19.46	----------	0.13	+/-0.80	ohmm
MicroLog Lateral	20.01	19.88	----------	0.13	+/-0.80	ohmm
SDLT Pad-10809130						
Near(B+D+P+L)	1339.219	1341.398	----------	-2.179	+/-14.801	cps
Far(B+D+P+L)	810.608	809.039	----------	1.569	+/-15.737	cps

Data: DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\IDLE **Date: 05-Oct-17 02:55:28**

HALLIBURTON

PARAMETERS REPORT

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP					
	SHARED	BS	Bit Size	8.750	in

SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No	
SHARED	MDBS	Mud Base	Water	
SHARED	MDWT	Borehole Fluid Weight	9.100	ppg
SHARED	WAGT	Weighting Agent	Barite	
SHARED	BSAL	Borehole salinity	0.00	ppm
SHARED	FSAL	Formation Salinity NaCl	0.00	ppm
SHARED	KPCT	Percent K in Mud by Weight?	0.00	%
SHARED	RMUD	Mud Resistivity	2.000	ohmm
SHARED	TRM	Temperature of Mud	75.0	degF
SHARED	CSD	Logging Interval is Cased?	No	
SHARED	ICOD	AHV Casing OD	7.000	in
SHARED	CSTR	Compressive Strength	1000.00	psia
SHARED	ST	Surface Temperature	75.0	degF
SHARED	TD	Total Well Depth	5400.00	ft
SHARED	BHT	Bottom Hole Temperature	130.0	degF
SHARED	SVTM	Navigation and Survey Master Tool	IDT	
SHARED	AZTM	High Res Z Accelerometer Master Tool	IDT	
SHARED	TEMM	CBM Temperature Master Tool	GTET	
Rwa / CrossPlot	XPOK	Process Crossplot?	Yes	
Rwa / CrossPlot	FCHO	Select Source of F	Automatic	
Rwa / CrossPlot	AFAC	Archie A factor	0.6200	
Rwa / CrossPlot	MFAC	Archie M factor	2.1500	
Rwa / CrossPlot	RMFR	Rmf Reference	0.10	ohmm
Rwa / CrossPlot	TMFR	Rmf Ref Temp	75.00	degF
Rwa / CrossPlot	RWA	Resistivity of Formation Water	0.05	ohmm
Rwa / CrossPlot	ADP	Use Air Porosity to calculate CrossplotPhi	No	
Rwa / CrossPlot	BHSM	Borehole Size Source Tool	ICT Mandrel	
Rwa / CrossPlot	ROIN	Input for RO Calculation	Rwa	
GTET	GROK	Process Gamma Ray?	Yes	
GTET	GEOK	Process Gamma Ray EVR?	No	
GTET	TPOS	Tool Position for Gamma Ray Tools.	Eccentered	
GTET	BHSM	Borehole Size Source Tool	SDLT	
DSNT	DNOK	Process DSN?	Yes	
DSNT	DEOK	Process DSN EVR?	No	
DSNT	NLIT	Neutron Lithology	Limestone	
DSNT	DNSO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
DSNT	DNTT	Temperature Correction Type	None	
DSNT	DPRS	DSN Pressure Correction Type	None	
DSNT	SHCO	View More Correction Options	No	
DSNT	UTVD	Use TVD for Gradient Corrections?	No	
DSNT	LHWT	Logging Horizontal Water Tank?	No	
DSNT	BHSM	Borehole Size Source Tool	SDLT	
SDLT	CLOK	Process Caliper Outputs?	Yes	
Microlog Pad	MLOK	Process MicroLog Outputs?	Yes	
SDLT Pad	DNOK	Process Density?	Yes	
SDLT Pad	DNOK	Process Density EVR?	No	
SDLT Pad	CB	Logging Calibration Blocks?	No	
SDLT Pad	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT Pad	DTWN	Disable temperature warning	No	
SDLT Pad	DMA	Formation Density Matrix	2.710	g/cc
SDLT Pad	DFL	Formation Density Fluid	1.000	g/cc
SDLT Pad	BHSM	Borehole Size Source Tool	SDLT	
ICT Mandrel	CLOK	Process Caliper Outputs?	Yes	
ICT Mandrel	DARM	Disable Caliper Arm	No	

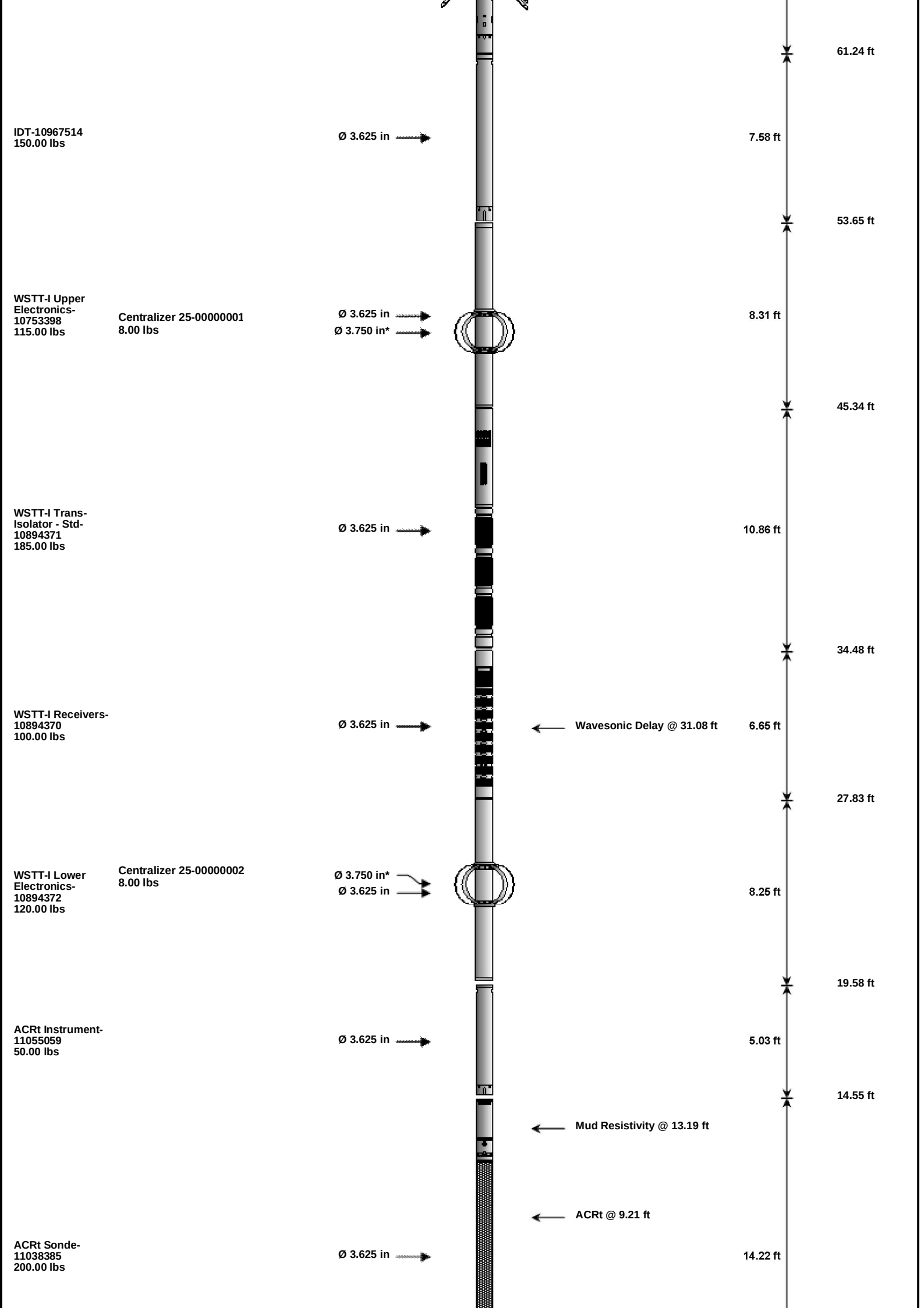
ICT Mandrel	ATDS	Arm To Disable	0	
ICT Mandrel	REPM	Method to replace arm?	Caliper Average	
ICT Mandrel	ARMV	Diameter to use for disabled arm	0.00	in
ICT Mandrel	DARM	Disable Second Caliper Arm	No	
ICT Mandrel	ATDS	Second Arm To Disable	0	
ICT Mandrel	REPM	Method to replace second arm?	Caliper Average	
ICT Mandrel	ARMV	Diameter to use for second disabled arm	0.00	in
ICT Mandrel	NAVS	Navigation Source Tool	IDT	
ICT Mandrel	CL1O	Radius 1 Offset	0.00	in
ICT Mandrel	CL2O	Radius 2 Offset	0.00	in
ICT Mandrel	CL3O	Radius 3 Offset	0.00	in
ICT Mandrel	CL4O	Radius 4 Offset	0.00	in
ICT Mandrel	CL5O	Radius 5 Offset	0.00	in
ICT Mandrel	CL6O	Radius 6 Offset	0.00	in
ICT Mandrel	BHVC	Radius type for borehole volume calcuations	Elliptical	
ICT Mandrel	CCL	Caliper Correction Algorithm	None	
IDT	WRTI	Survey Writing Interval	30	ft
IDT	SOPT	Smoothing Option	None	
WSTT-I Receivers	WSOK	Process WSTT?	Yes	
WSTT-I Receivers	AFIL	Adaptive Filtering?	No	
WSTT-I Receivers	PINT	Process 1 Sample and Skip	0	
WSTT-I Receivers	PROM	Process Mode: M=1,MX=2,MY=3,MXY=4	4	
WSTT-I Receivers	DTSH	Delta -T Shale	100.00	uspf
WSTT-I Receivers	DTMT	Delta -T Matrix Type	Limestone 47.6	
WSTT-I Receivers	DTMA	Delta -T Matrix	57.00	uspf
WSTT-I Receivers	DTFL	Delta -T Pore Fluid	189.00	uspf
WSTT-I Receivers	RHOM	Matrix Density	2.7100	g/cc
WSTT-I Receivers	RHOF	Fluid Density	1.0000	g/cc
WSTT-I Receivers	SMTH	Semblance Threshold	0.25	
WSTT-I Receivers	VPVS	VPVS Ratio for Porosity	1.40	
WSTT-I Receivers	APEQ	Acoustic Porosity Equation	Wylie	
WSTT-I Receivers	NAVS	Navigation Source Tool	IDT	
ACRt Sonde	RTOK	Process ACRt?	Yes	
ACRt Sonde	MNSO	Minimum Tool Standoff	1.50	in
ACRt Sonde	TCS1	Temperature Correction Source	FP Lwr & FP Upr	
ACRt Sonde	TPOS	Tool Position	Free Hanging	
ACRt Sonde	RMOP	Rmud Source	Mud Cell	
ACRt Sonde	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt Sonde	RMAX	Maximum Resistivity for MAP	200.00	ohmm
ACRt Sonde	THQY	Threshold Quality	0.50	
ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm
ACRt Sonde	BHSM	Borehole Size Source Tool	SDLT	
ACRt Sonde	MBFL	Apply Corkscrew Effect?	No	

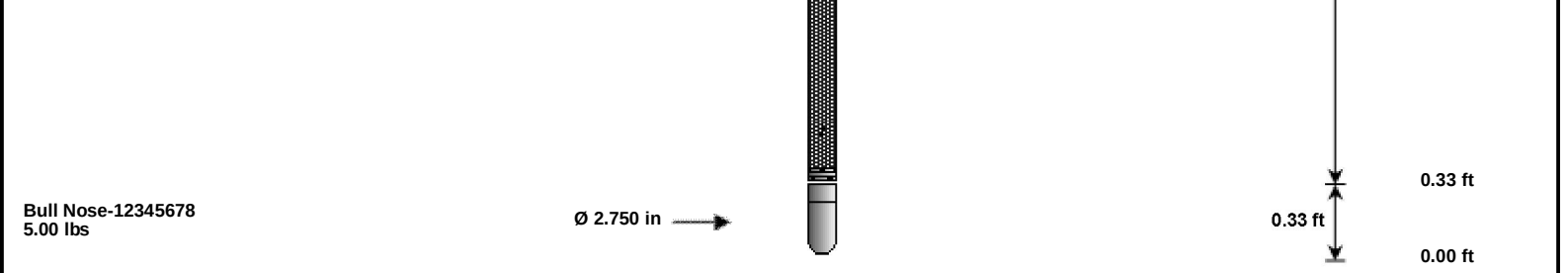
BOTTOM

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
				Temperature @ 115.43 ft		115.68 ft
CH_HOS_I 37.50 lbs		Ø 2.750 in			2.25 ft	
		Ø 2.750 in				113.43 ft
XOHD-11021555 20.00 lbs		Ø 3.625 in			0.95 ft	
						112.48 ft
SP Sub-10904995 60.00 lbs		Ø 3.625 in		SP @ 110.70 ft	3.74 ft	
				Z-Accelerometer @ 108.29 ft		108.74 ft
GTET-11021139 165.00 lbs		Ø 3.625 in			8.52 ft	
				GammaRay @ 102.68 ft		
						100.22 ft
	DSN Decentralizer-10993115 6.60 lbs	Ø 5.000 in*				
DSNT-11020487 174.00 lbs		Ø 3.625 in			9.69 ft	
				DSN Far @ 93.28 ft		
				DSN Near @ 92.53 ft		
						90.53 ft
	SDLT Pad-10809130 65.00 lbs					
SDLT-11014296 360.00 lbs	Microlog Pad-11014296 8.00 lbs	Ø 4.500 in			10.81 ft	
		Ø 4.500 in*		Microlog @ 82.72 ft		
		Ø 4.750 in*		SDL Caliper @ 82.54 ft		
	RAM-Cs137-00005155 1.00 lbs	Ø 0.800 in*		SDL @ 82.53 ft		
						79.72 ft
IQ Flex-11005584 140.00 lbs		Ø 3.625 in			5.67 ft	
						74.05 ft
ICT Instrument-11023459 110.00 lbs		Ø 3.625 in			4.88 ft	
						69.17 ft
ICT Mandrel-11019427 220.00 lbs		Ø 3.625 in			7.94 ft	
				ICT Caliper @ 64.03 ft		


61.24 ft
IDT-10967514
150.00 lbs
Ø 3.625 in
7.58 ft
53.65 ft
WSTT-I Upper
Electronics-
10753398
115.00 lbs
Centralizer 25-00000001
8.00 lbs
Ø 3.625 in
Ø 3.750 in*
8.31 ft
45.34 ft
WSTT-I Trans-
Isolator - Std-
10894371
185.00 lbs
Ø 3.625 in
10.86 ft
34.48 ft
WSTT-I Receivers-
10894370
100.00 lbs
Ø 3.625 in
Wavesonic Delay @ 31.08 ft
6.65 ft
27.83 ft
WSTT-I Lower
Electronics-
10894372
120.00 lbs
Centralizer 25-00000002
8.00 lbs
Ø 3.750 in*
Ø 3.625 in
8.25 ft
19.58 ft
ACRt Instrument-
11055059
50.00 lbs
Ø 3.625 in
5.03 ft
14.55 ft
Mud Resistivity @ 13.19 ft
ACRt @ 9.21 ft
ACRt Sonde-
11038385
200.00 lbs
Ø 3.625 in
14.22 ft



Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)		Accumulated Length (ft)	Max.Log. Speed (fpm)
CH_HOS	Hostile Cable Head with Load Cell	CH_HOS_I	37.50	2.25		113.43	300.00
XOHD	Hostile to Dits Cross Over	11021555	20.00	0.95		112.48	300.00
SP	SP Sub	10904995	60.00	3.74		108.74	300.00
GTET	Gamma Telemetry Tool	11021139	165.00	8.52		100.22	60.00
DSNT	Dual Spaced Neutron	11020487	174.00	9.69		90.53	60.00
DCNT	DSN Decentralizer	10993115	6.60	5.13	*	93.86	300.00
SDLT	Spectral Density Tool	11014296	360.00	10.81		79.72	60.00
SDLP	Density Insite Pad	10809130	65.00	2.55	*	81.93	60.00
Cs137	Logging Source, SDLT-I, 1.78 Ci - Cs137	00005155	1.00	0.80	*	82.16	300.00
MICP	Microlog Pad	11014296	8.00	1.00	*	82.22	60.00
IQF	IQ Flex tool	11005584	140.00	5.67		74.05	300.00
ICT	Six Independent Arm Caliper Instrument	11023459	110.00	4.88		69.17	60.00
ICT	Six Independent Arm Caliper Mandrel	11019427	220.00	7.94		61.24	60.00
IDT	Insite Directional Tool	10967514	150.00	7.58		53.65	60.00
WSTT	WaveSonic Insite - Upper Electronics	10753398	115.00	8.31		45.34	100.00
OBCEN	Centralizer - 25 in. Overbody	00000001	8.00	2.08	*	47.71	300.00
WSTT	WaveSonic Insite - Trans-Isolator - Std	10894371	185.00	10.86		34.48	100.00
WSTT	WaveSonic Insite - Receivers	10894370	100.00	6.65		27.83	30.00
WSTT	WaveSonic Insite - Lower Electronics	10894372	120.00	8.25		19.58	100.00
OBCEN	Centralizer - 25 in. Overbody	00000002	8.00	2.08	*	23.00	300.00
ACRt	Array Compensated True Resistivity Instrument Section	11055059	50.00	5.03		14.55	120.00
ACRt	Array Compensated True Resistivity Sonde Section	11038385	200.00	14.22		0.33	120.00
BLNS	Bull Nose	12345678	5.00	0.33		0.00	300.00
Total			**2,308.10**	**115.68**			

* Not included in Total Length and Length Accumulation.

Data: DESTINY_LINDA\0001 GTET-DSNT-SDLT-FLEX-ICT-IDT-WSTT-ACRT\001 05-Oct-17 03:00 Dn @115.8f **Date: 05-Oct-17 03:02:30**