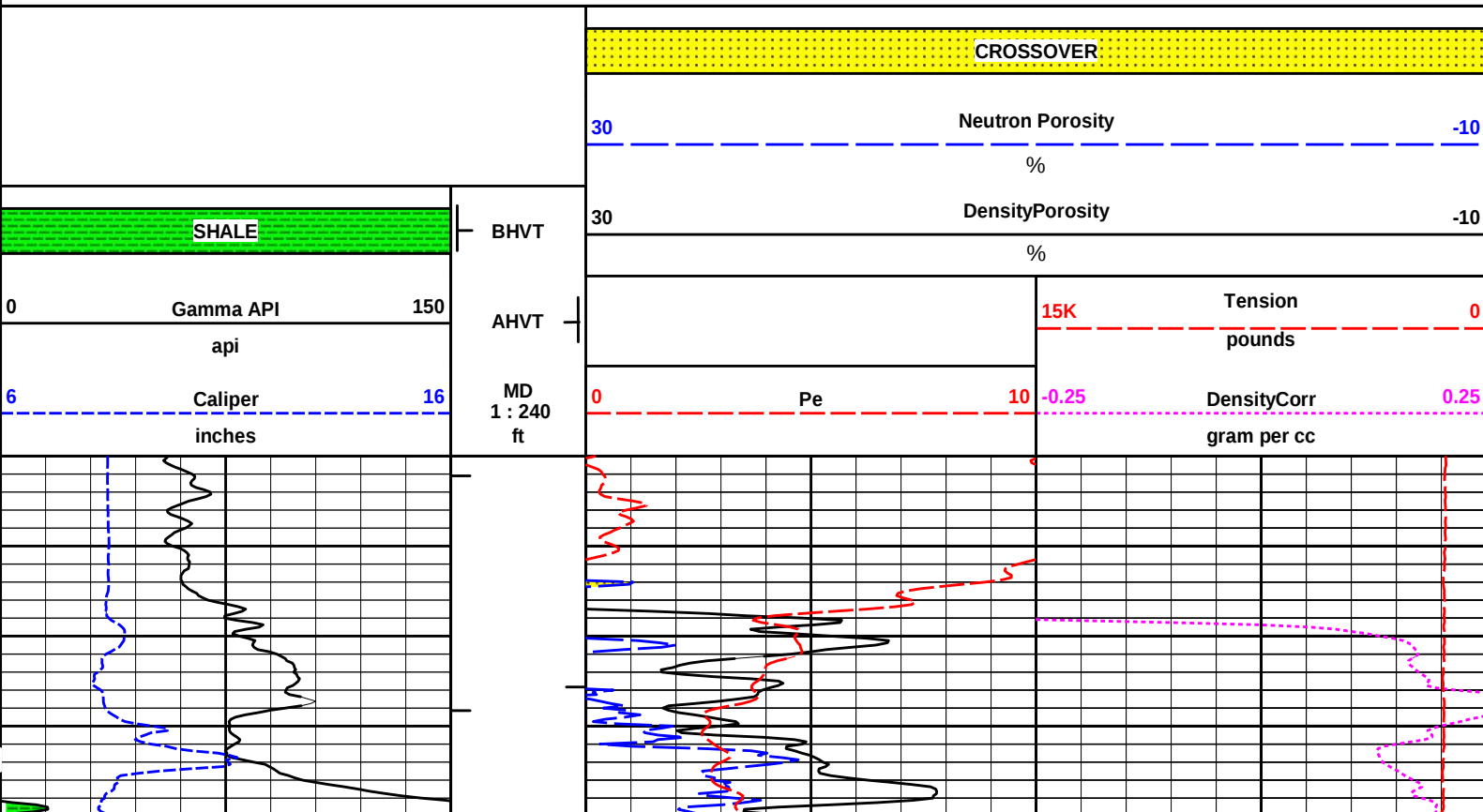
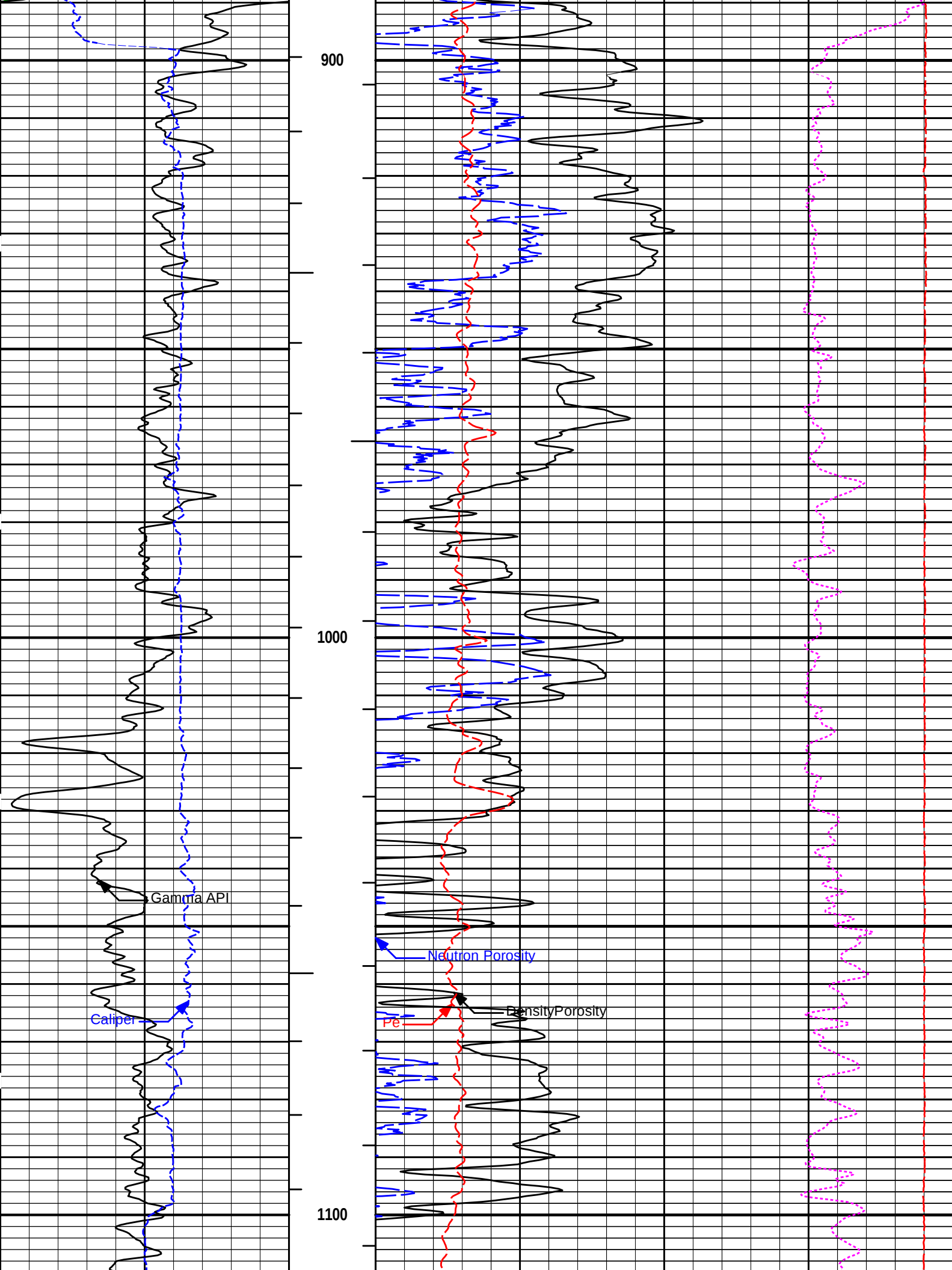
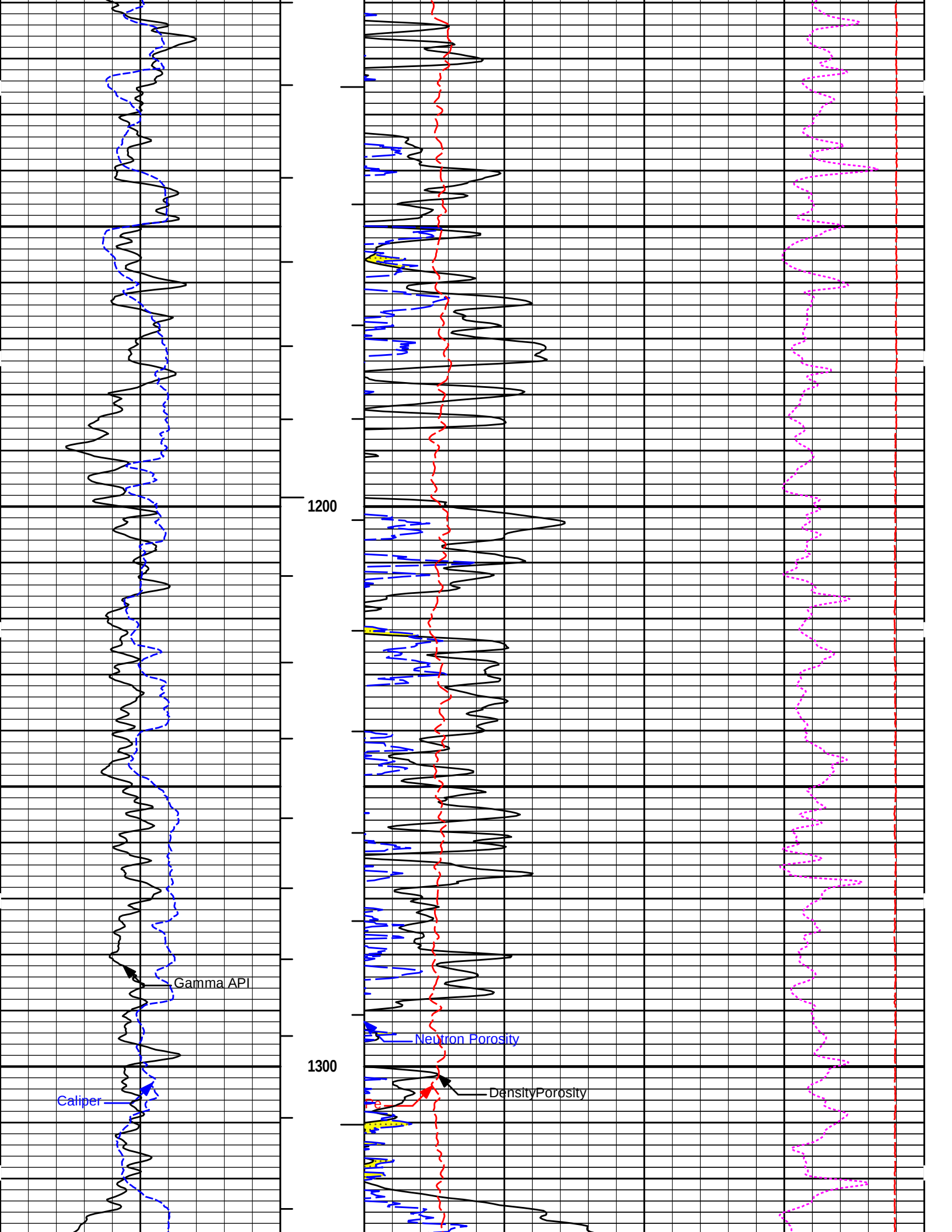


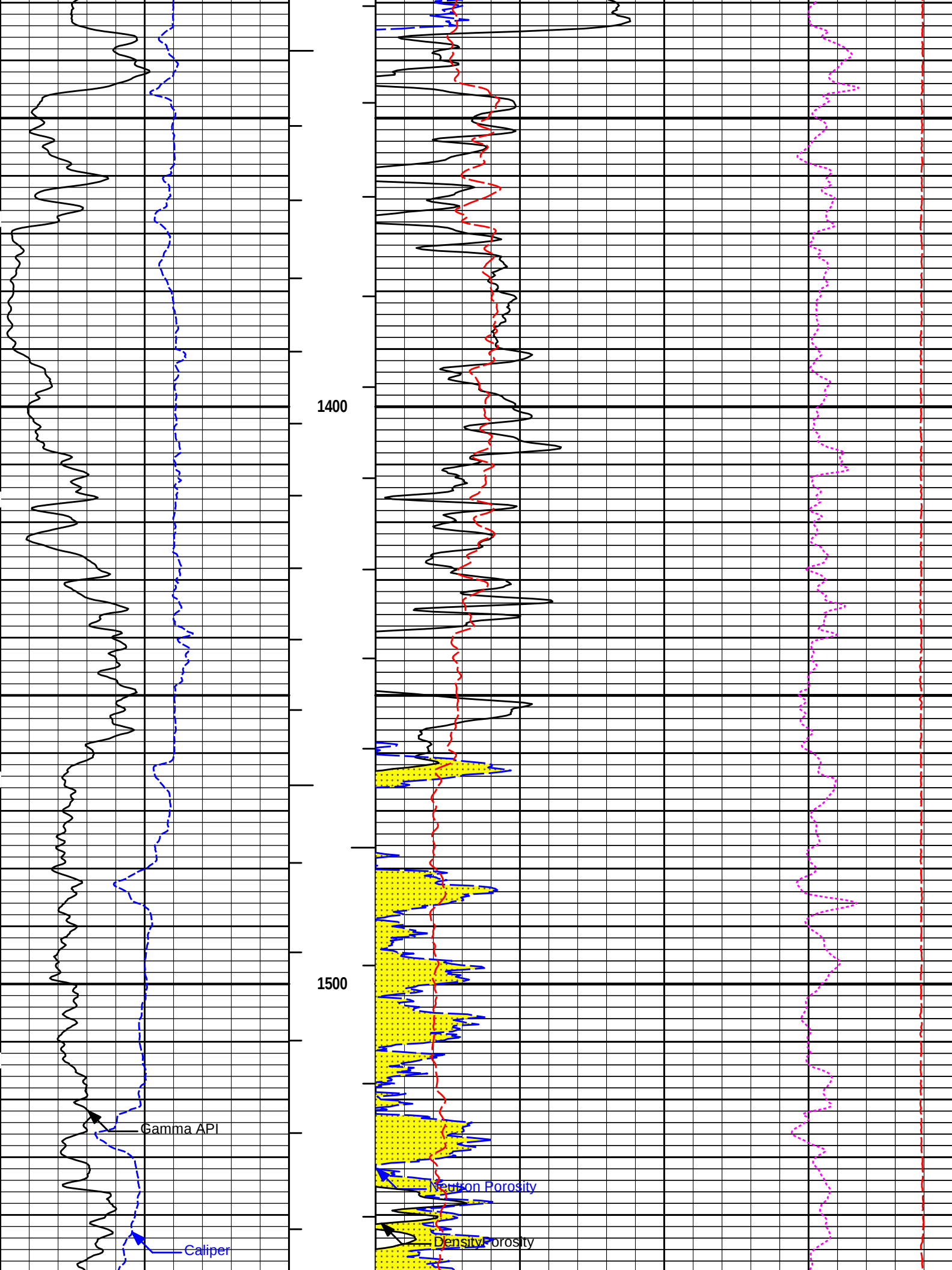
**SPECTRAL DENSITY
DUAL SPACED NEUTRON
LOG**

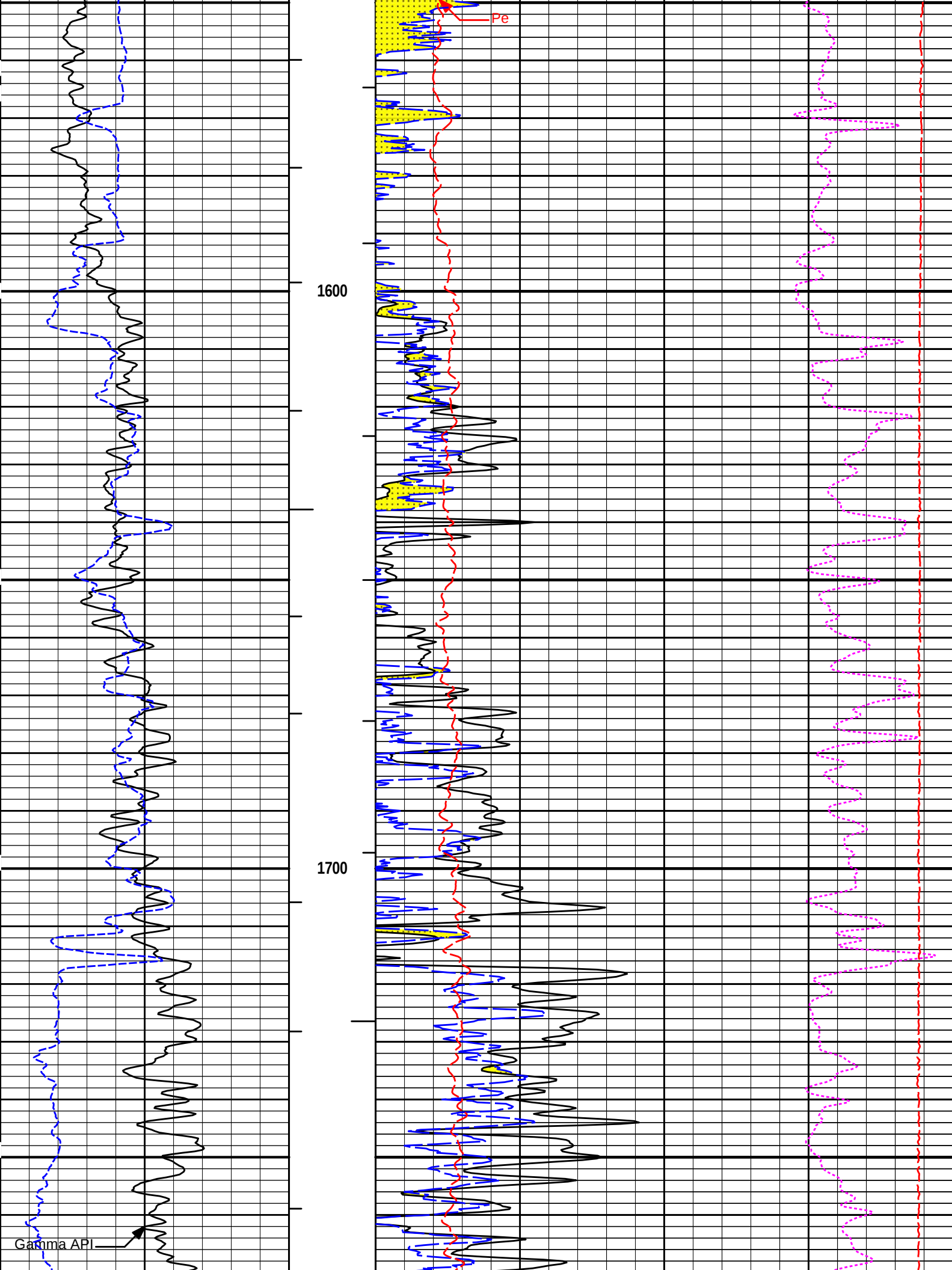
GENERAL				GAMMA		ACOUSTIC			DENSITY			NEUTRON		
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R		L	R	
ONE	3242	869	REC	0	150				30	-10	2.71	30	-10	LIME
DIRECTIONAL INFORMATION														
Maximum Deviation @									KOP @					
Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5-INCH CASING														
CHLORIDES RERPOTEDAT 4,000 MG/L														
LCM REPORTED AT 4 LB/BBL														
GTET-DSNT-SDLT-ACRT RUN IN COMBINATION														
SP BECOMES NOISY AT 2900'														
TODAY'S CREW: V. JAIME & K. KING														
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES LIBERAL, KS. 620-624-8123														
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														

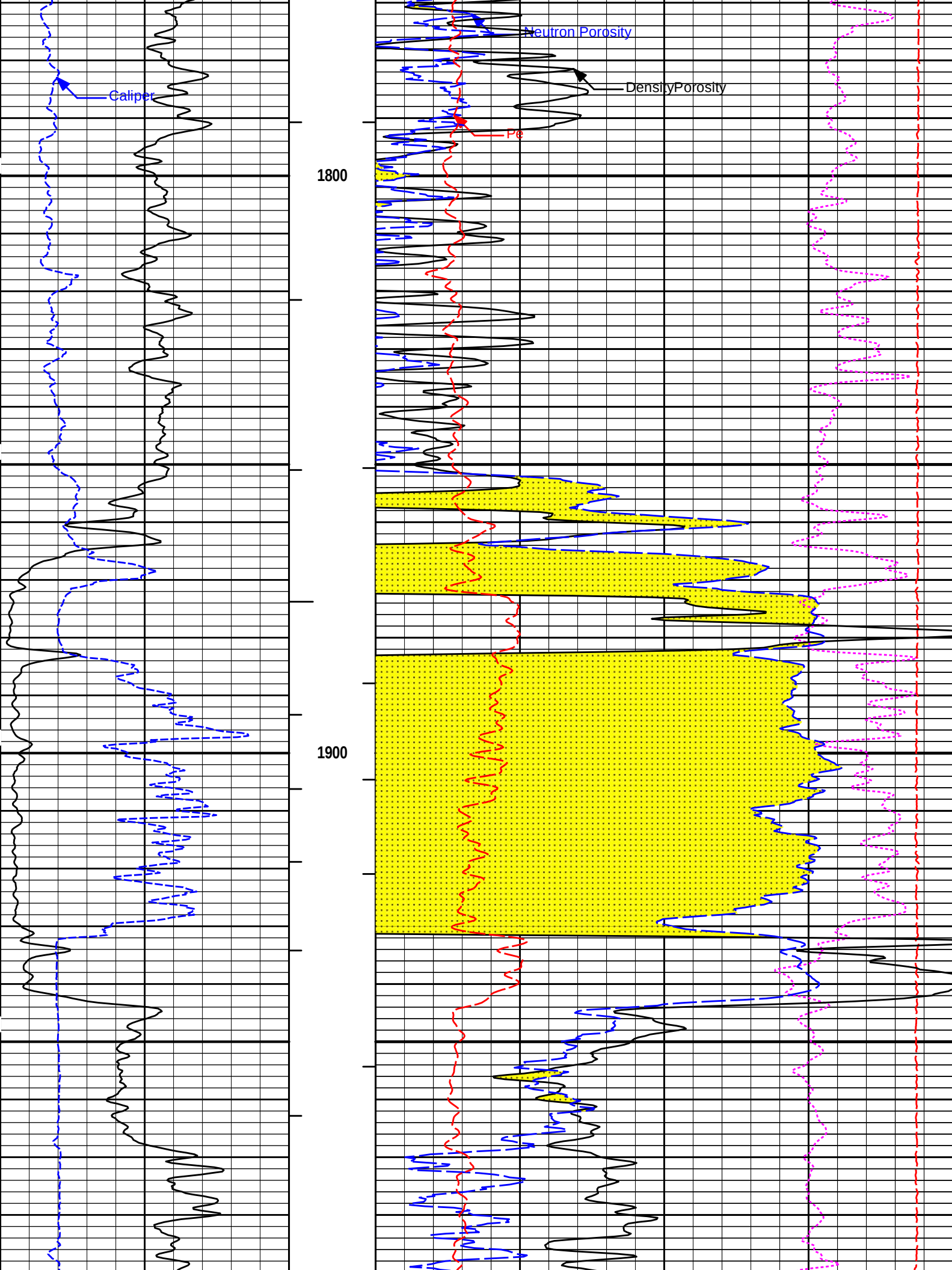


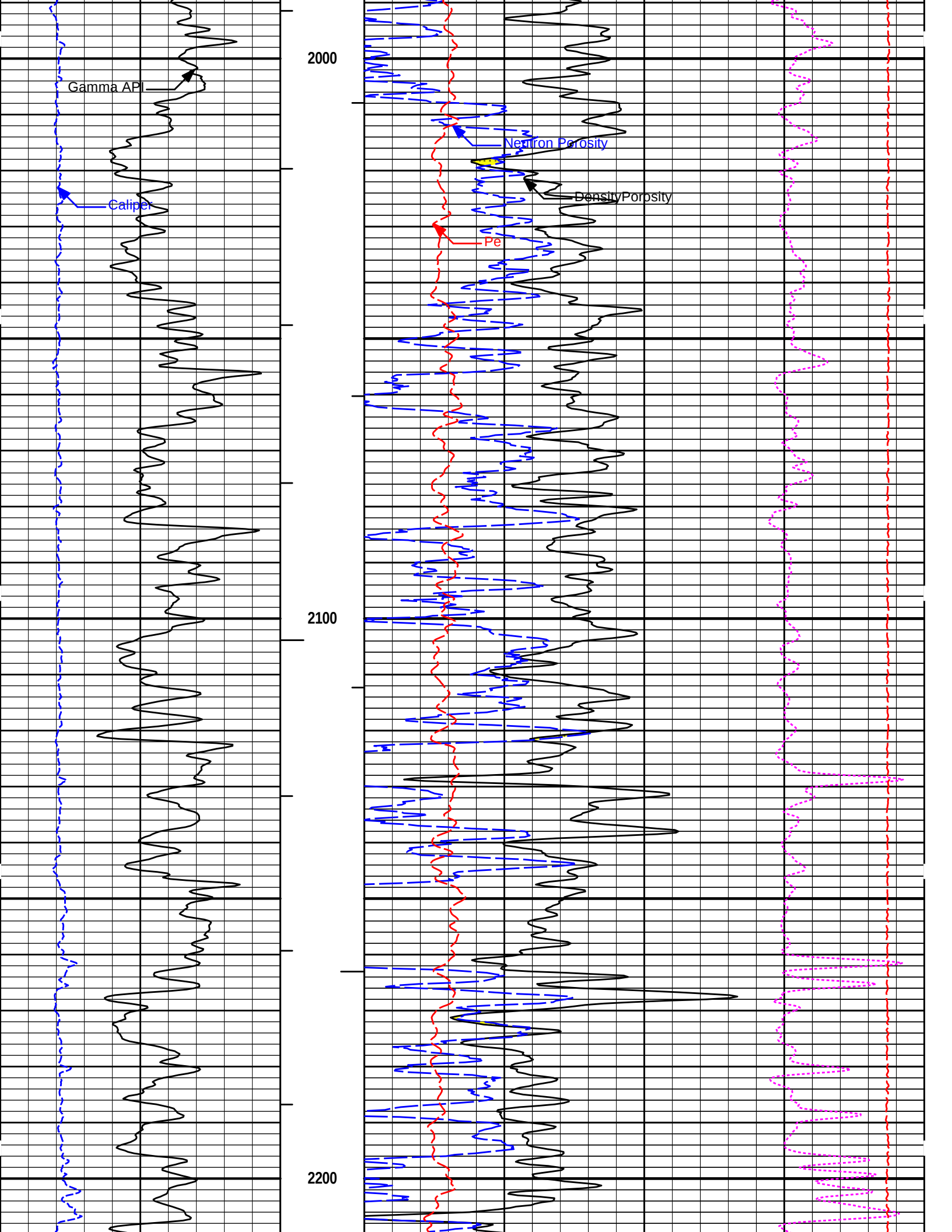


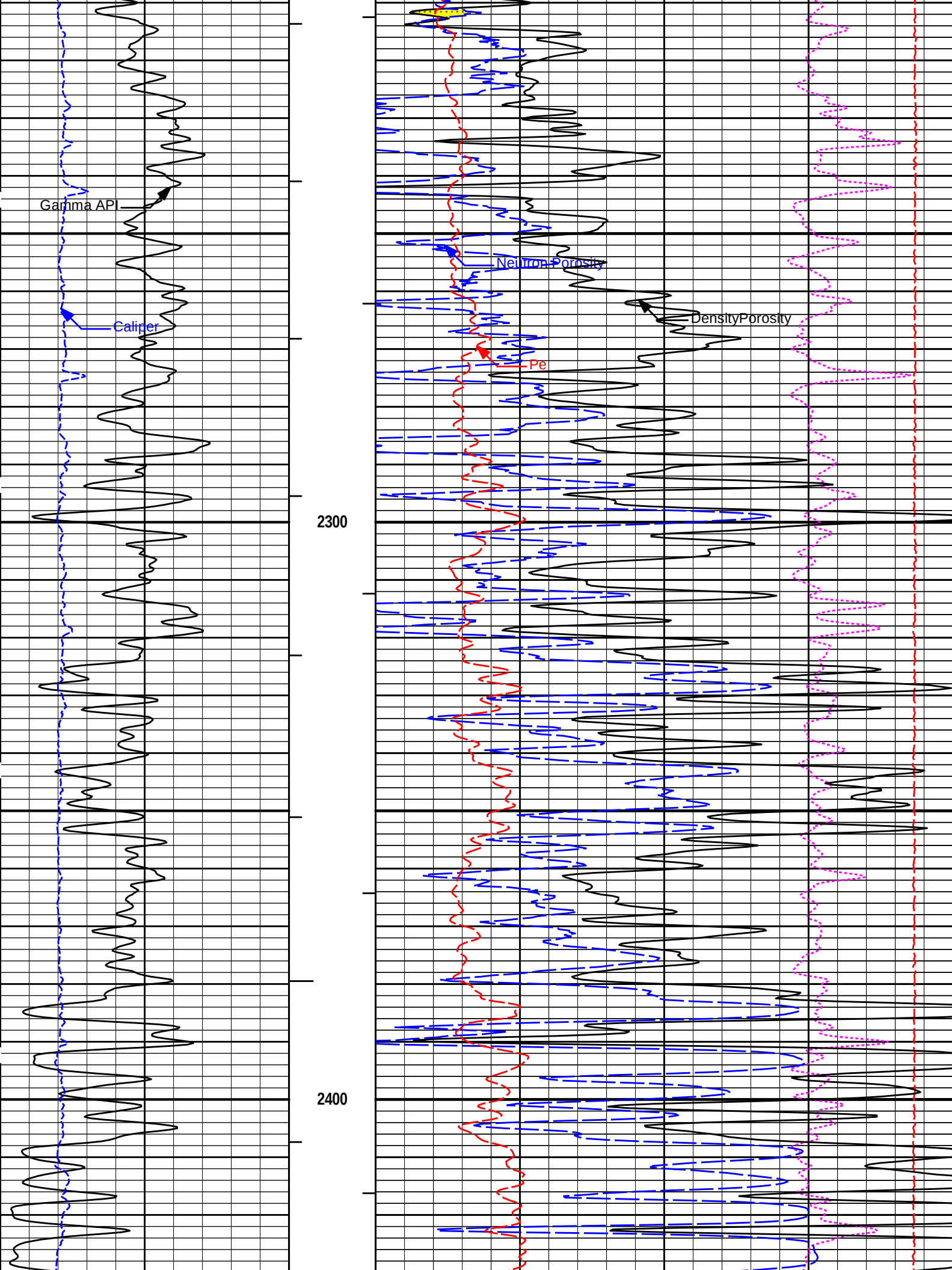


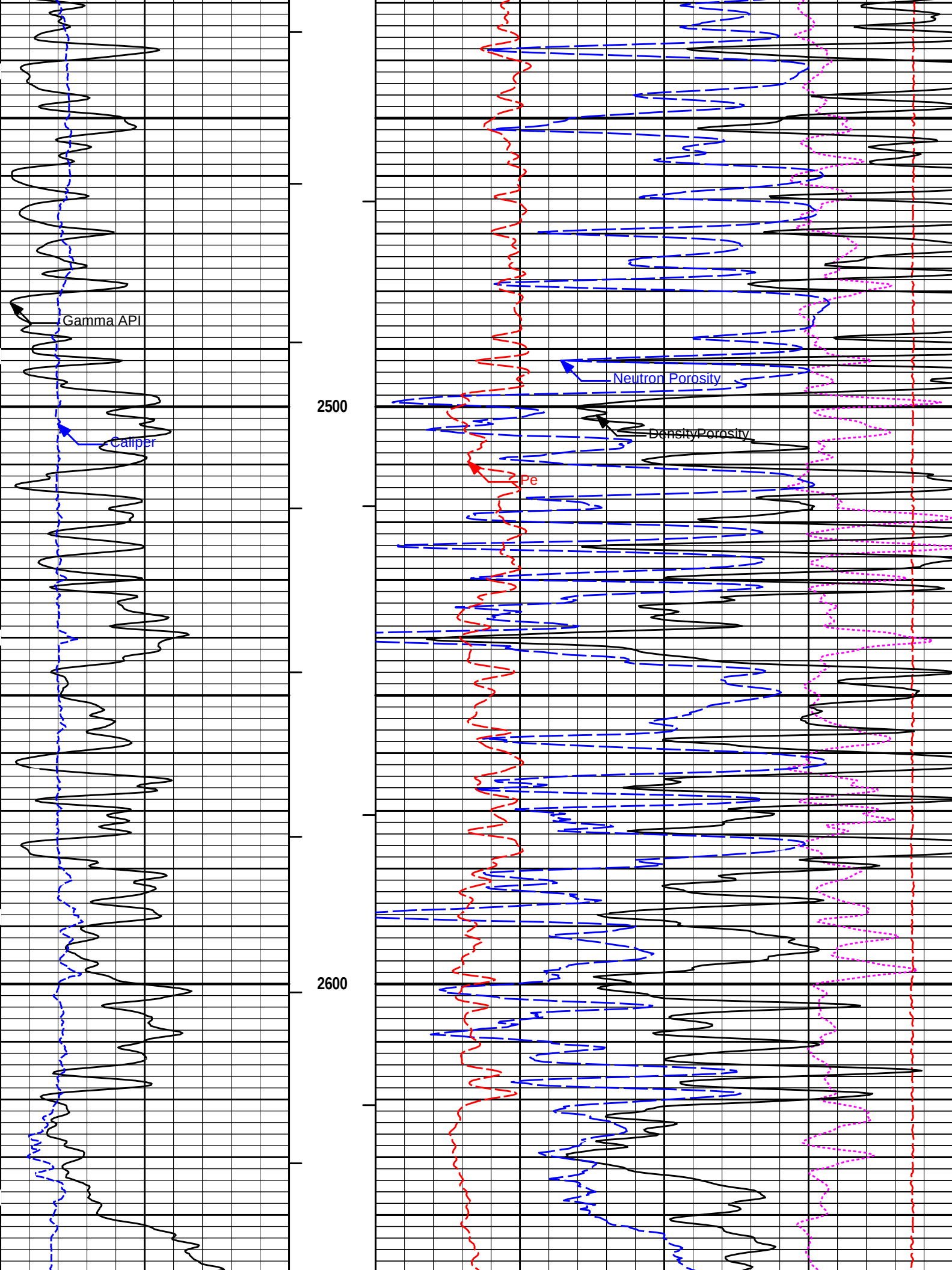


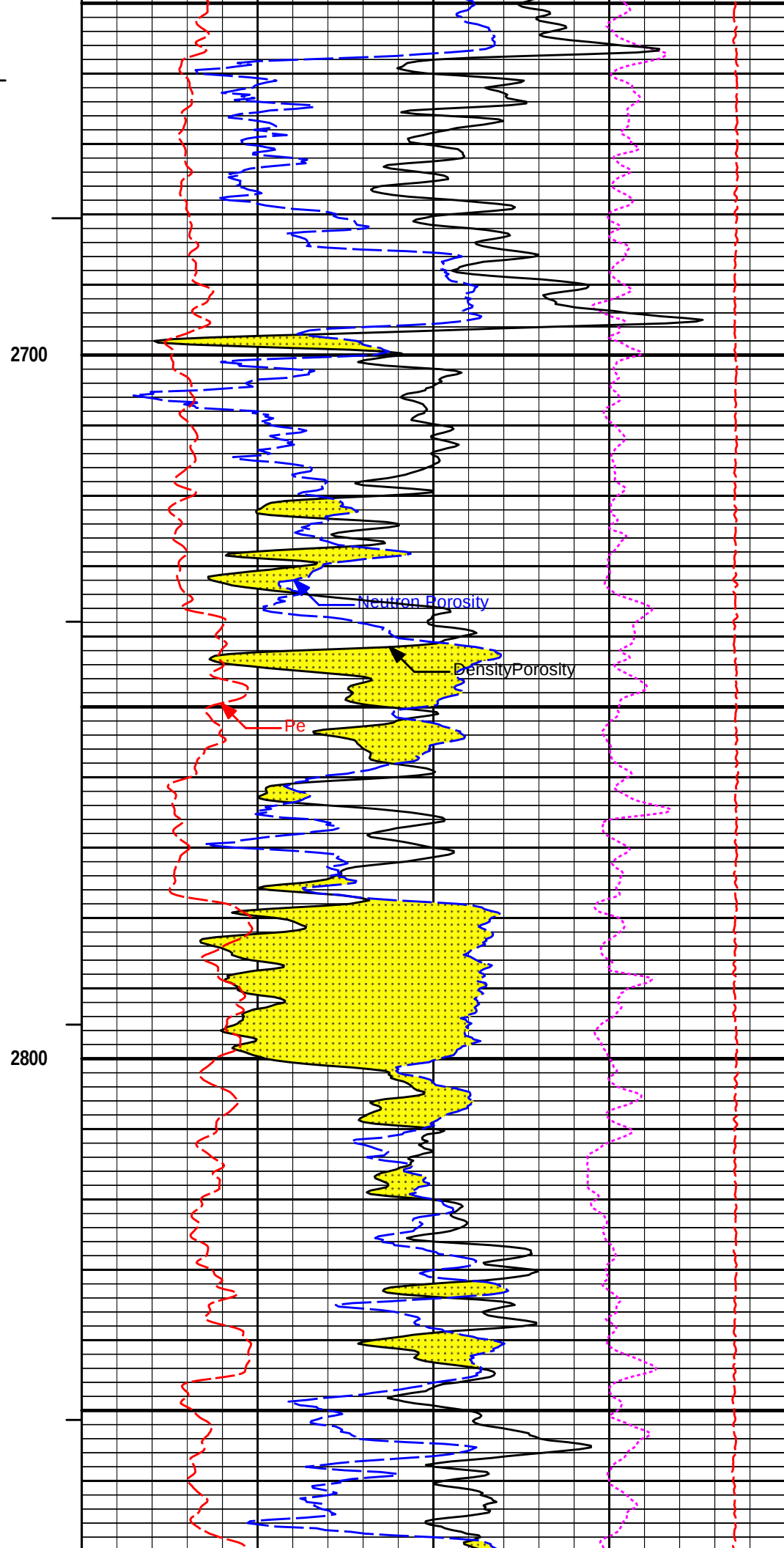
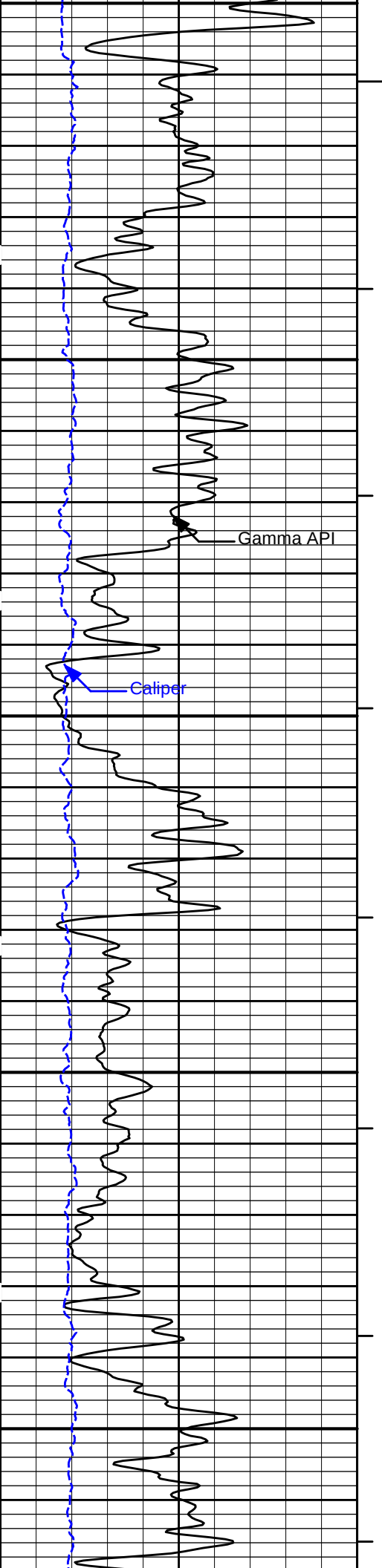


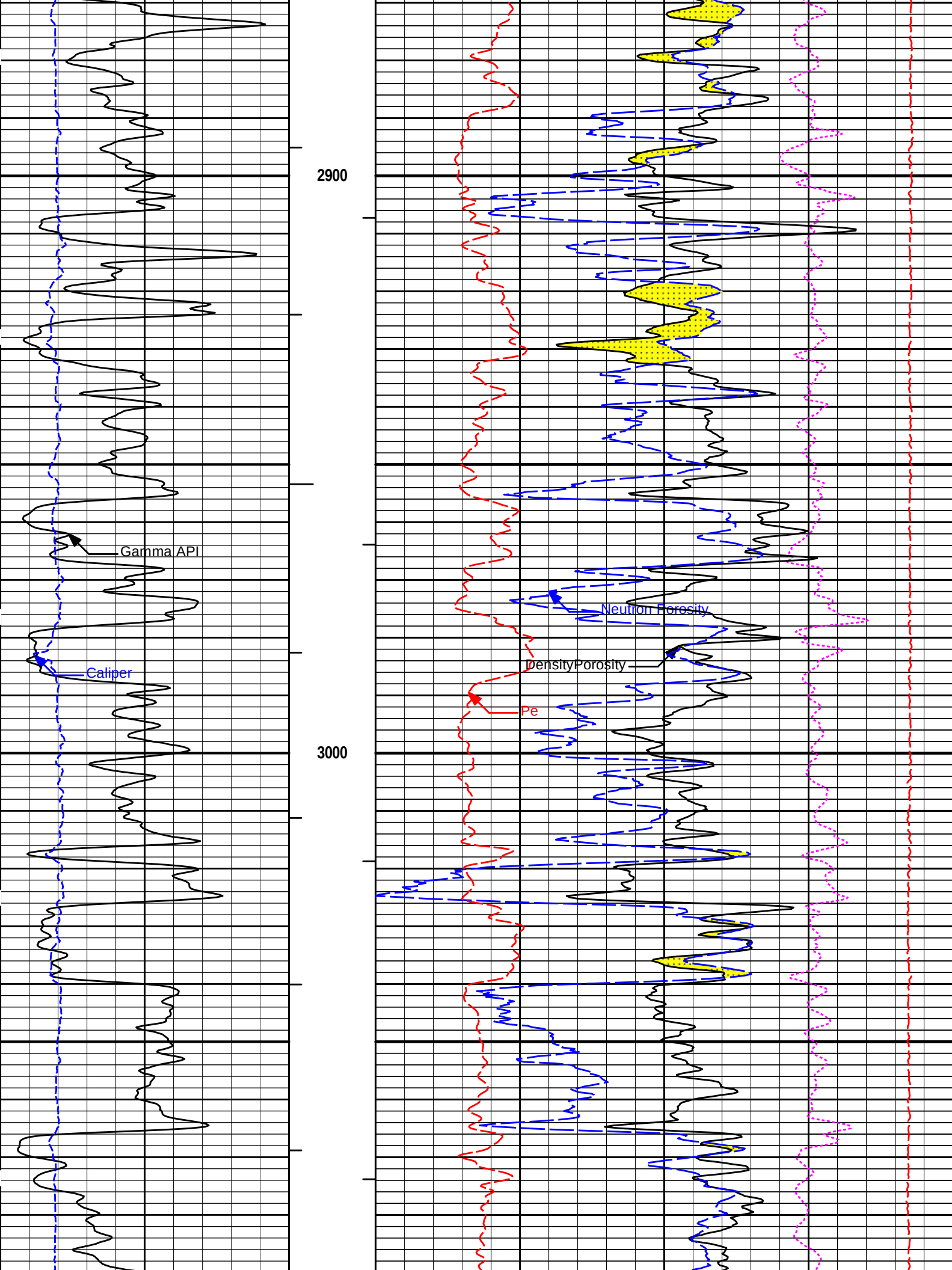


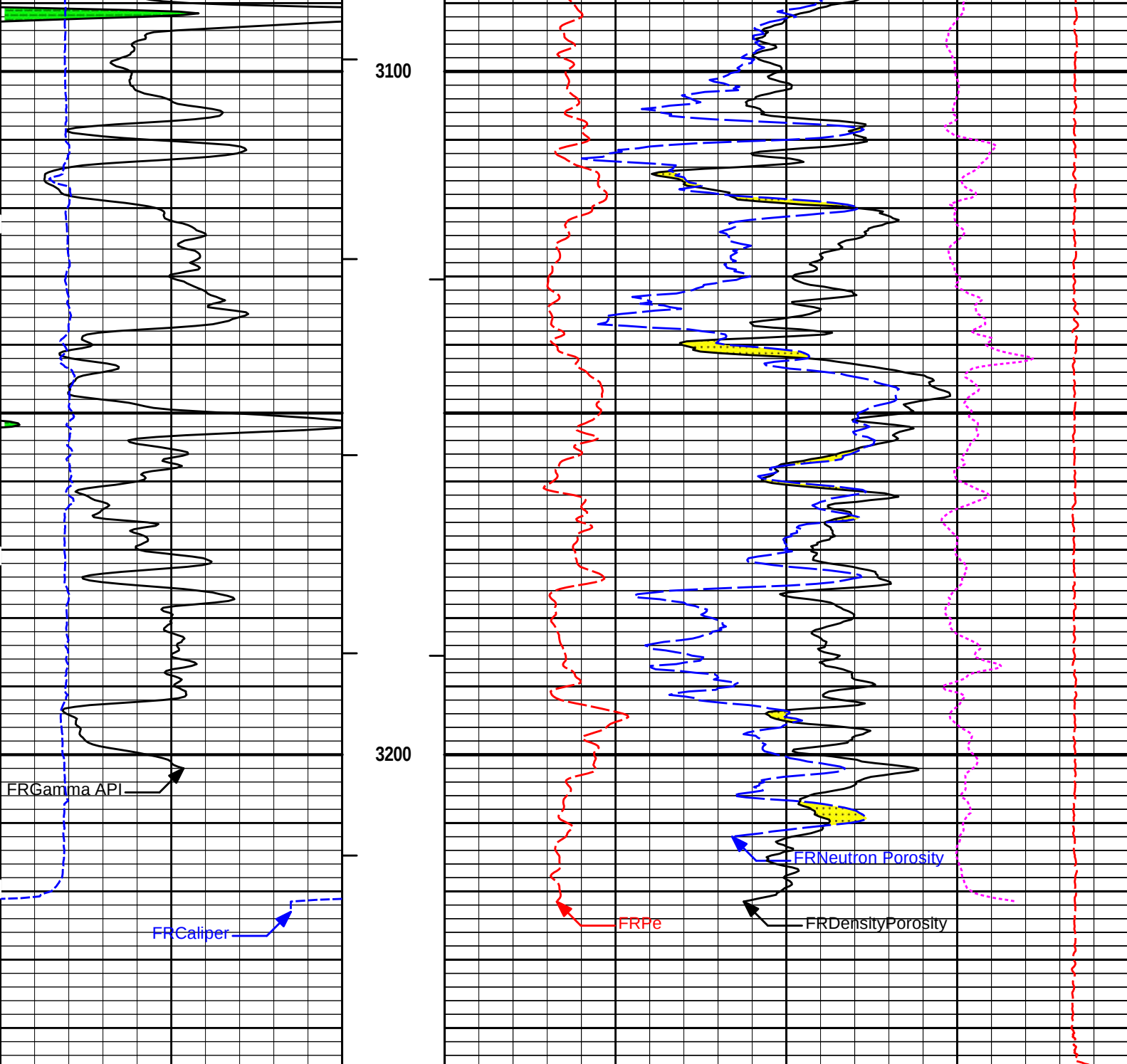












6	Caliper	16	MD	0	Pe	10	-0.25	DensityCorr	0.25
	inches		1 : 240					gram per cc	
0	Gamma API	150	AHVT				15K	Tension	0
	api							pounds	
	SHALE		BHVT	30	DensityPorosity				-10
					%				
				30	Neutron Porosity				-10
					%				
					CROSSOVER				

HALLIBURTON

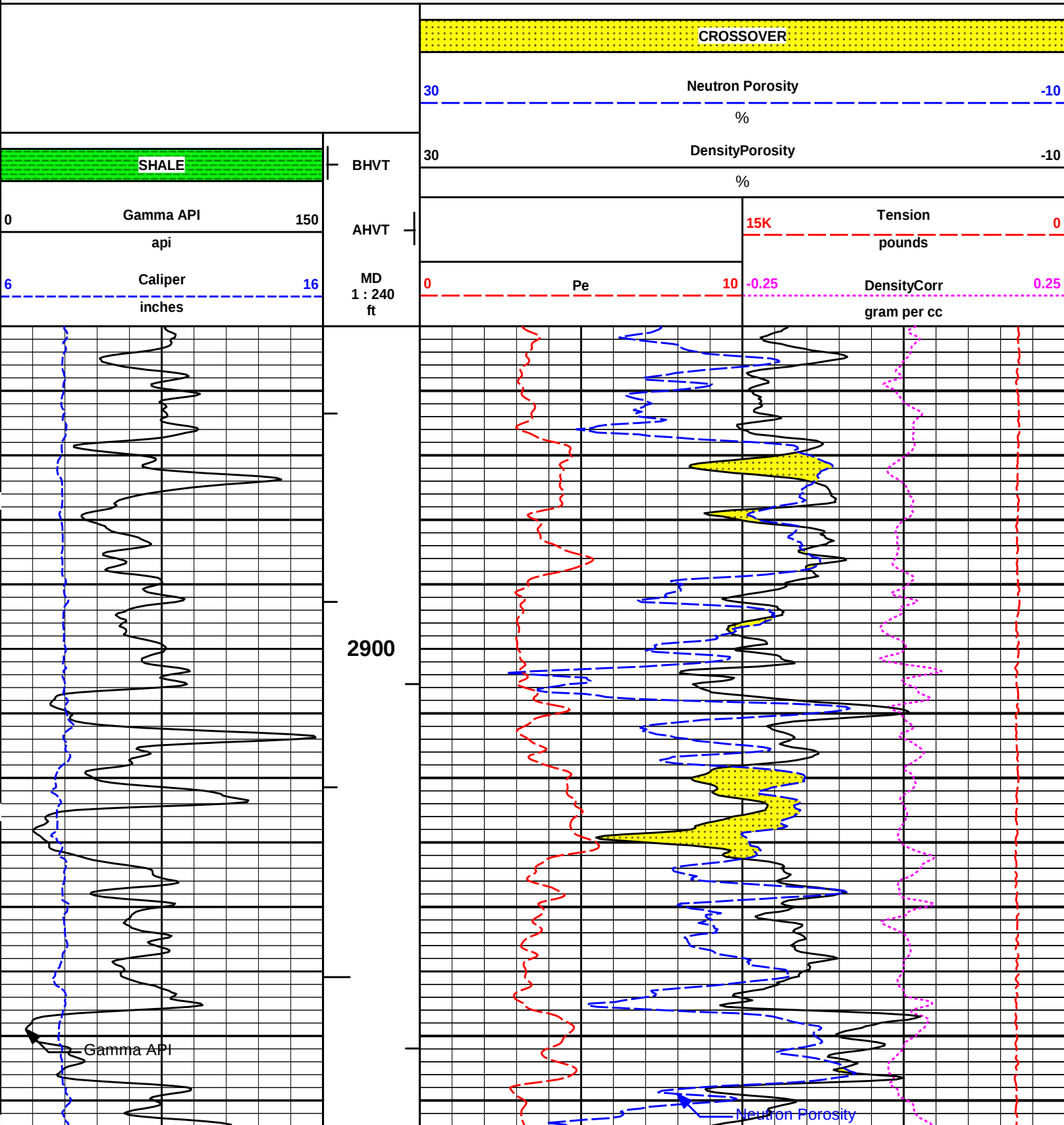
Plot Time: 24-Jul-14 11:37:17
 Plot Range: 850 ft to 3245.42 ft
 Data: ADAMS_ATU_N-5\Well Based\CASING\
 Plot File: \\PORO\Porosity_Q_5_MAIN_LIB

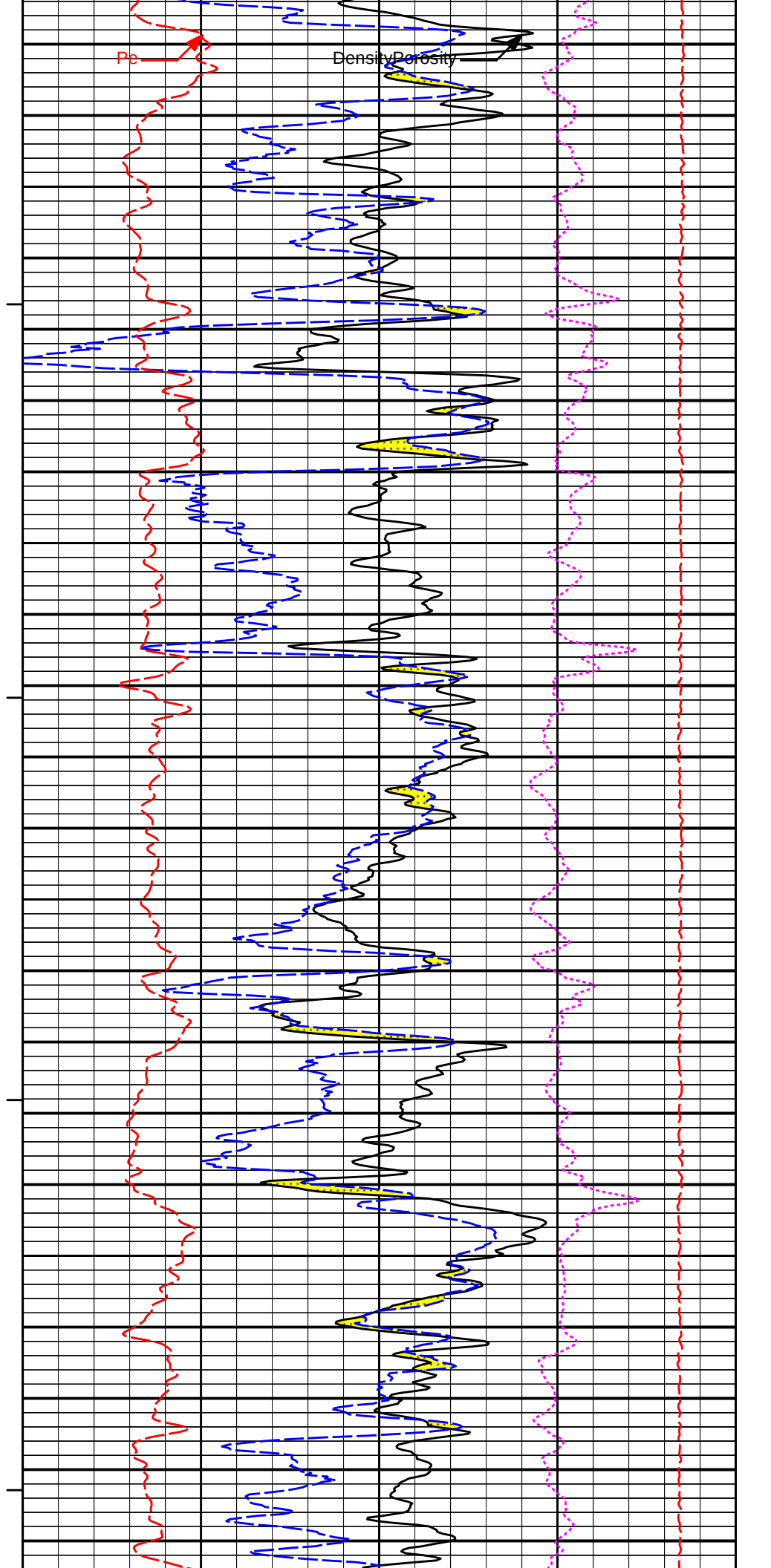
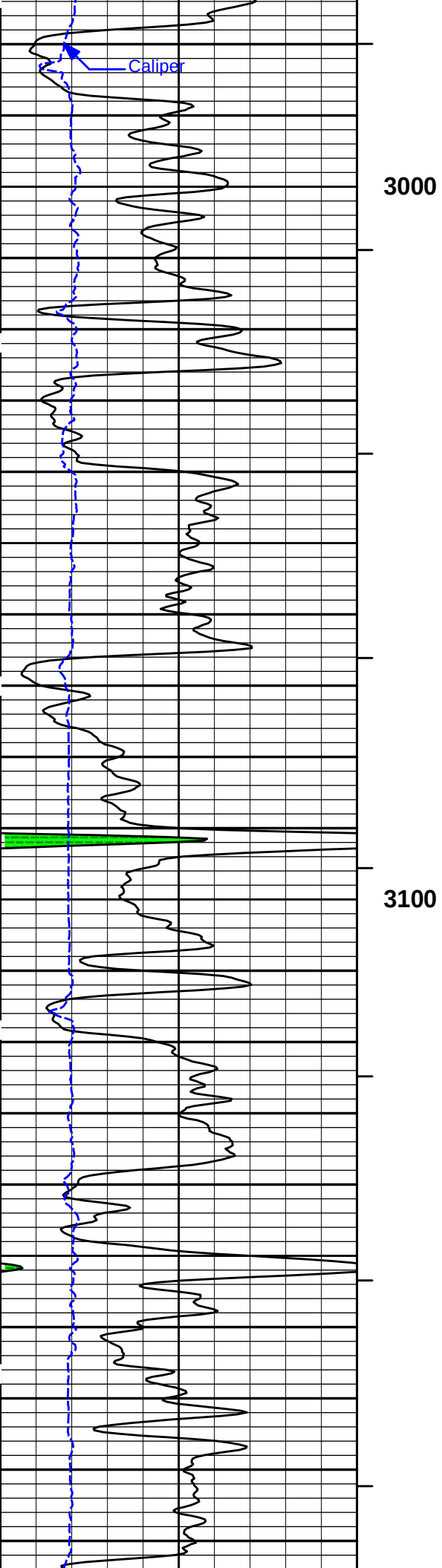
5 INCH MAIN LOG

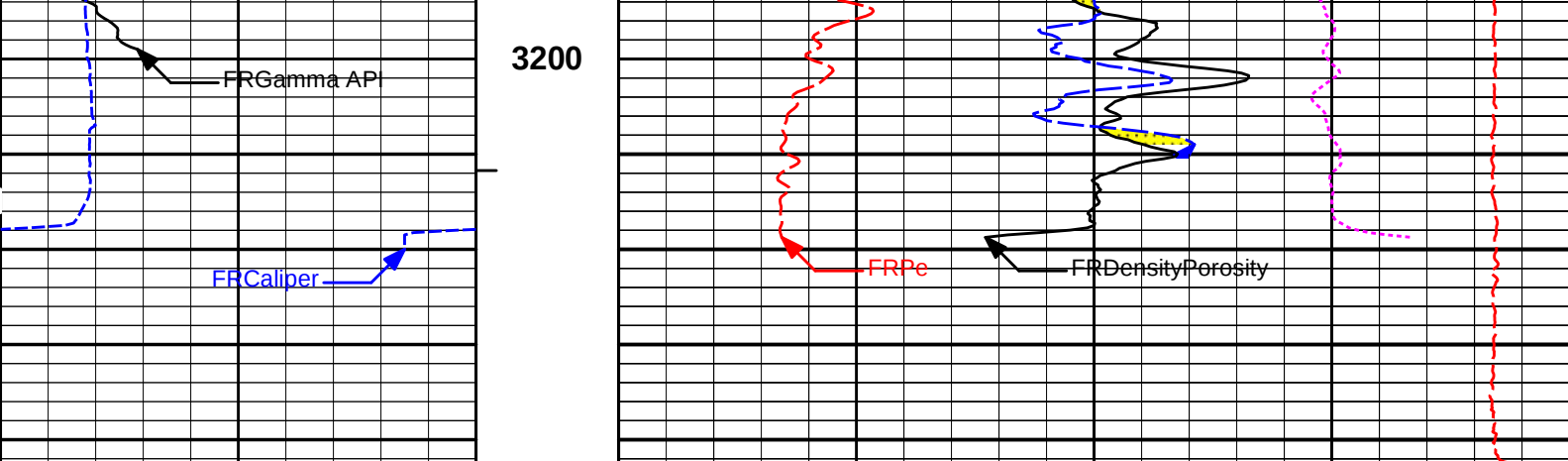
HALLIBURTON

Plot Time: 24-Jul-14 11:37:17
Plot Range: 2850 ft to 3242.58 ft
Data: ADAMS_ATU_N-5\Well Based\REPEAT\
Plot File: \\PORO\Porosity_Q_5_REP_LIB

REPEAT SECTION







6	Caliper	16	MD	0	Pe	10	-0.25	DensityCorr	0.25
	inches		1 : 240					gram per cc	
0	Gamma API	150	AHVT				15K	Tension	0
	api							pounds	
	SHALE		BHVT	30	DensityPorosity			-10	
					%				
				30	Neutron Porosity			-10	
					%				
					CROSSOVER				

HALLIBURTON

Plot Time: 24-Jul-14 11:37:18
Plot Range: 2850 ft to 3242.58 ft
Data: ADAMS_ATU_N-5\Well Based\REPEAT\
Plot File: \\PORO\Porosity_Q_5_REP_LIB

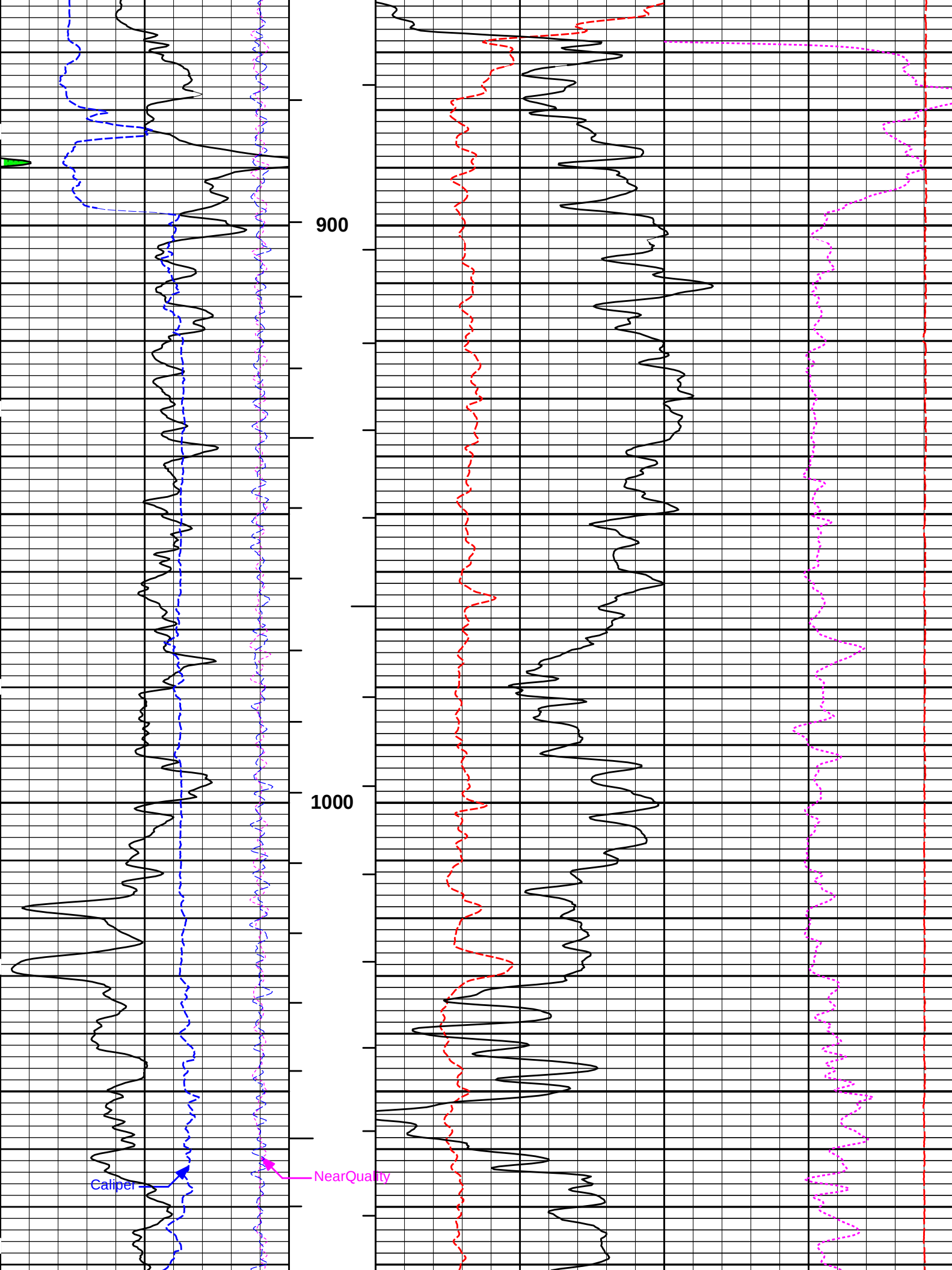
REPEAT SECTION

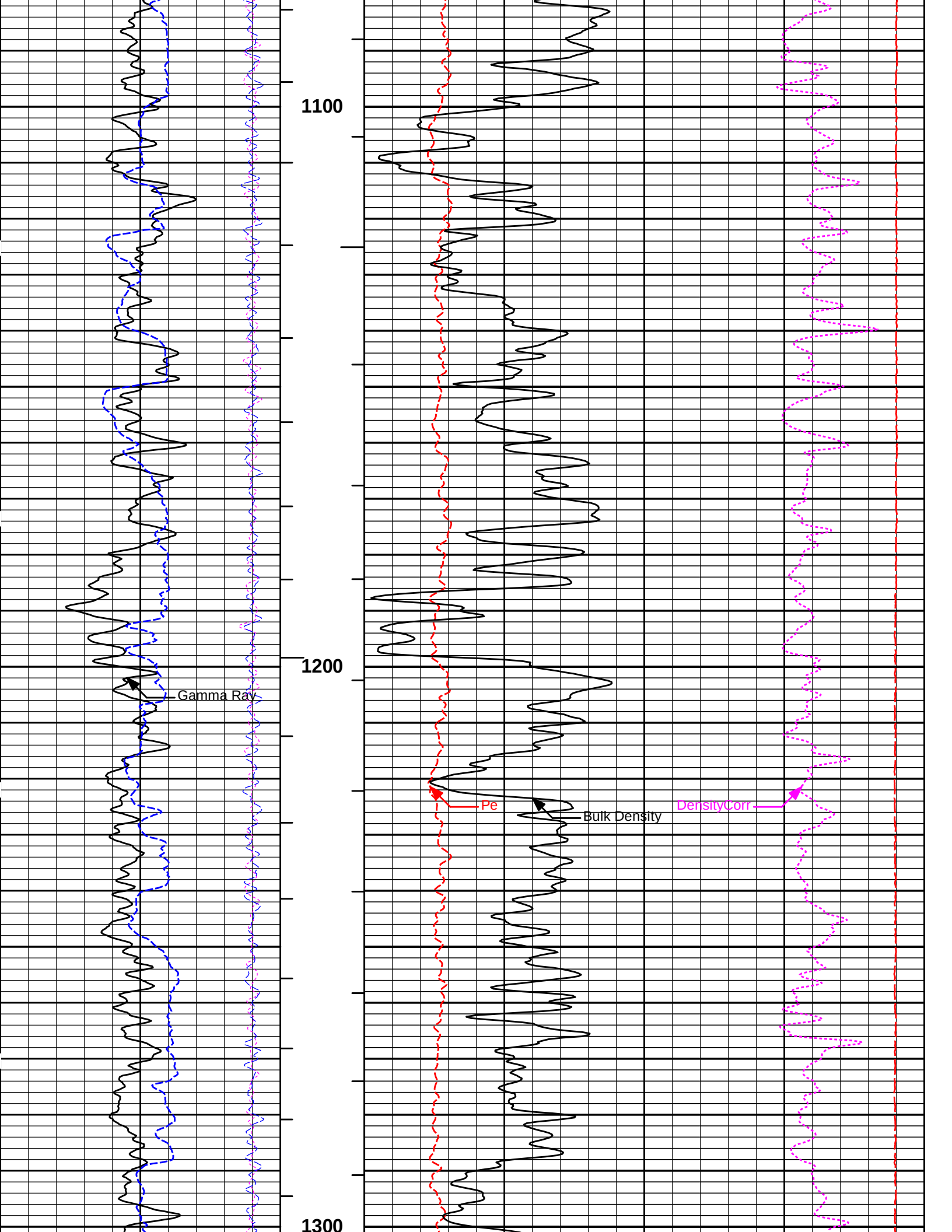
HALLIBURTON

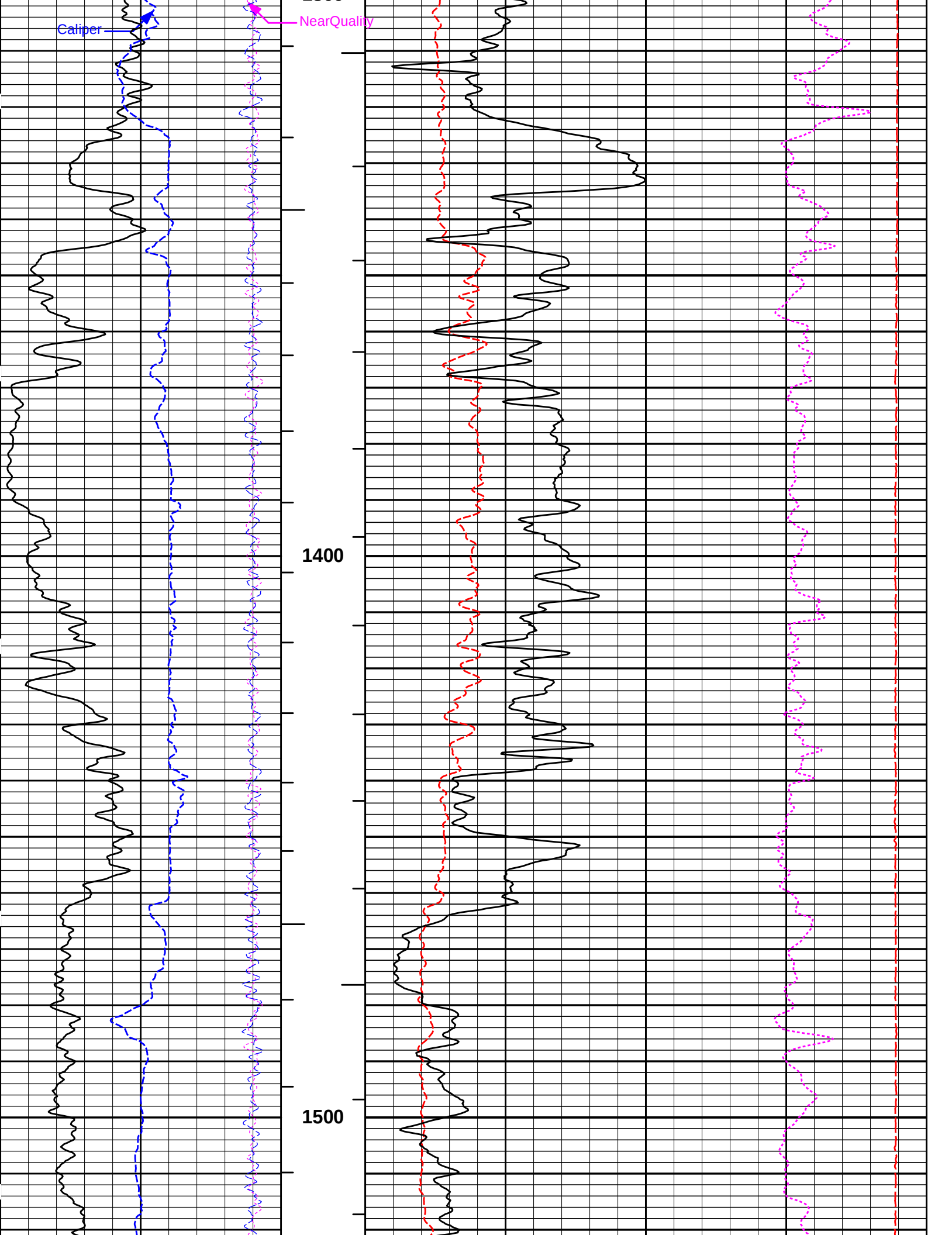
Plot Time: 24-Jul-14 11:37:18
Plot Range: 850 ft to 3245.42 ft
Data: ADAMS_ATU_N-5\Well Based\CASING\
Plot File: \\LOCAL\ADAMS_ATU_N-5\0001 SP-GTET-DSNT-SDLT-ACRT-BN\PORO\BULKD_5_MAIN_LIB

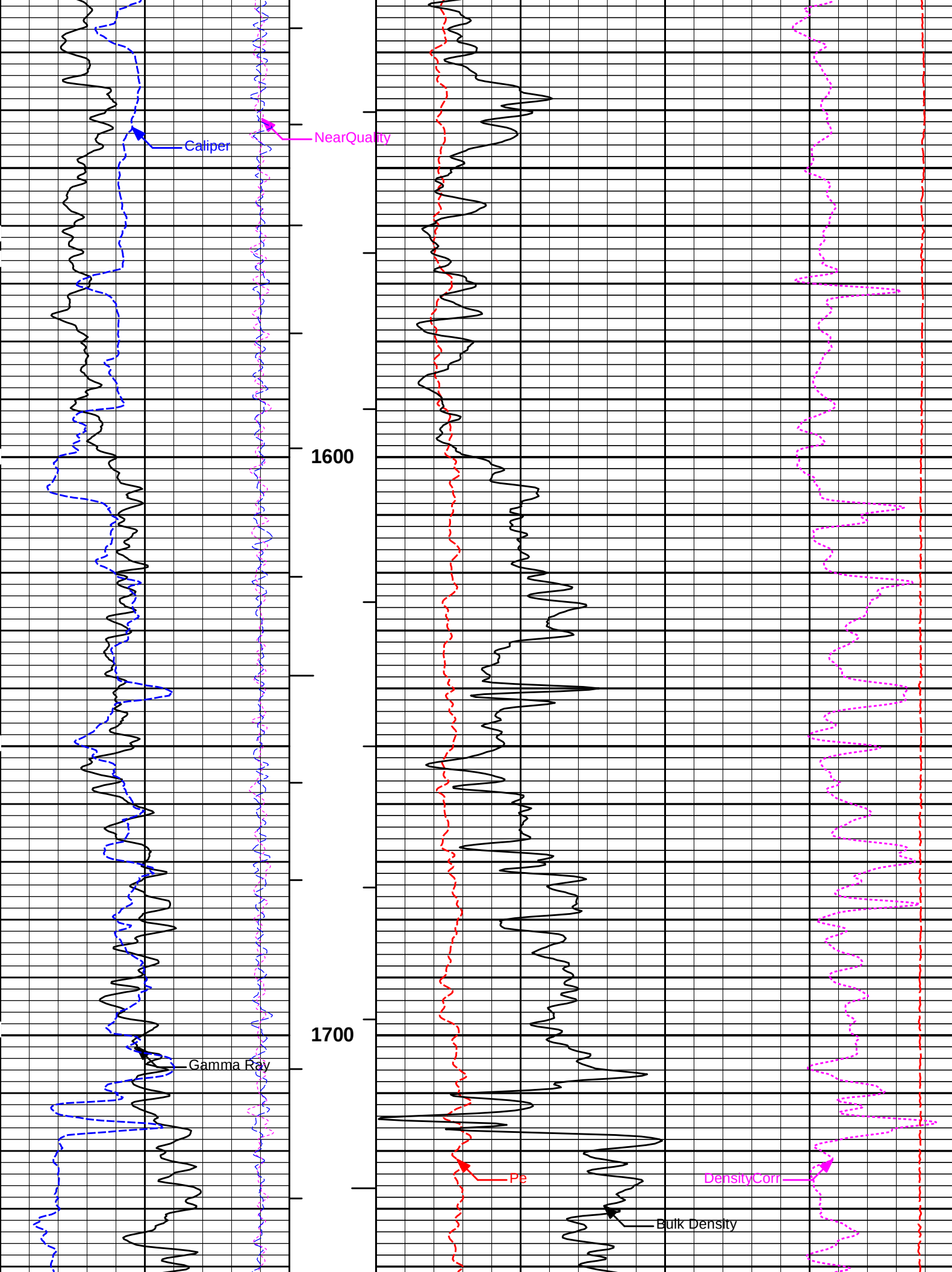
5 INCH MAIN LOG

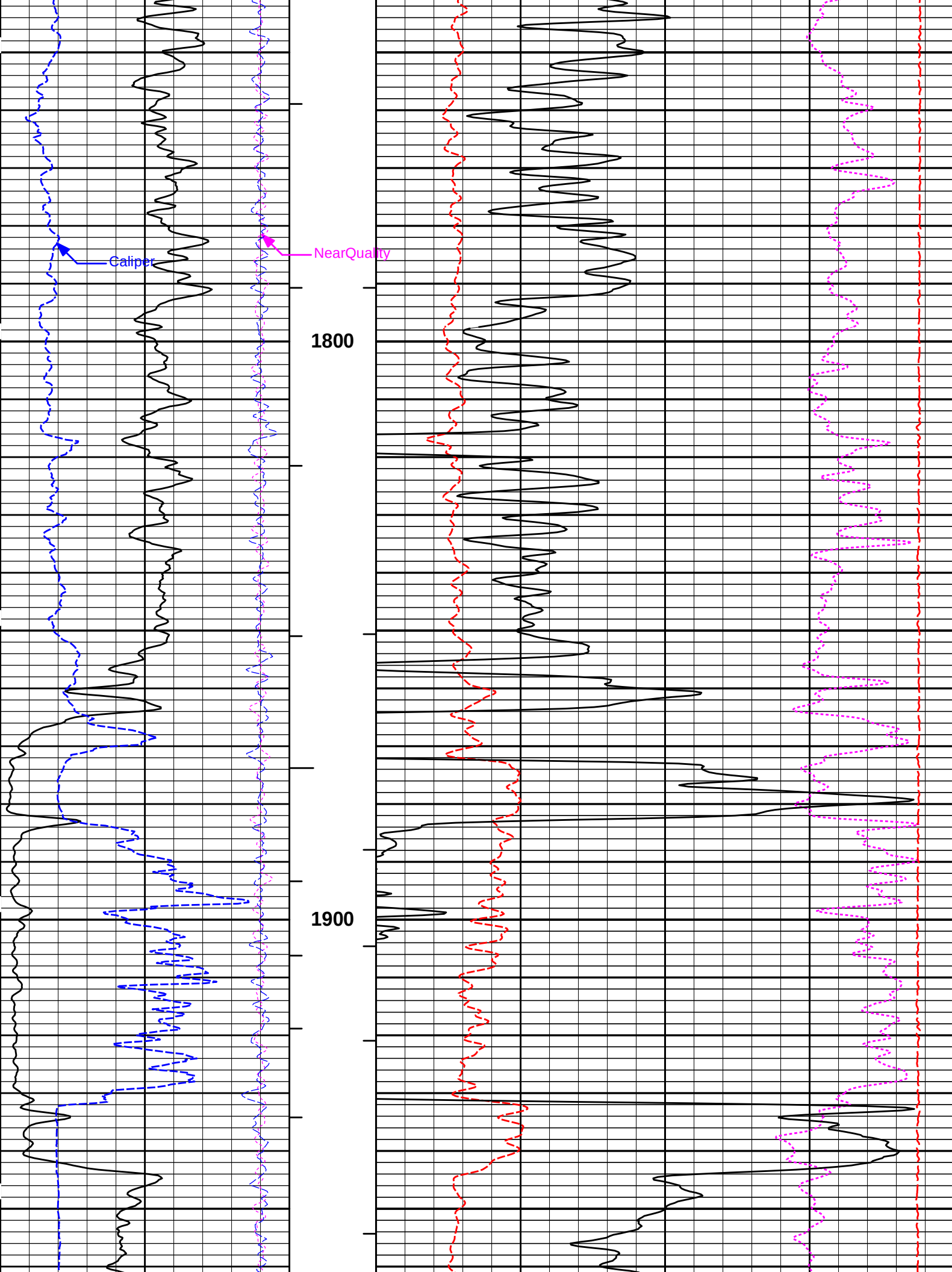
	SHALE								
0	Gamma Ray	150							
	api								
18	FarQuality	-2	BHV	2	Bulk Density			3	
			ft3		g/cc				
-18	NearQuality	2	AHV			15K	Tension	0	
			ft3				pounds		
6	Caliper	16	MD	0	Pe	10	-0.25	DensityCorr	0.25
	inches		1 : 240					g/cc	

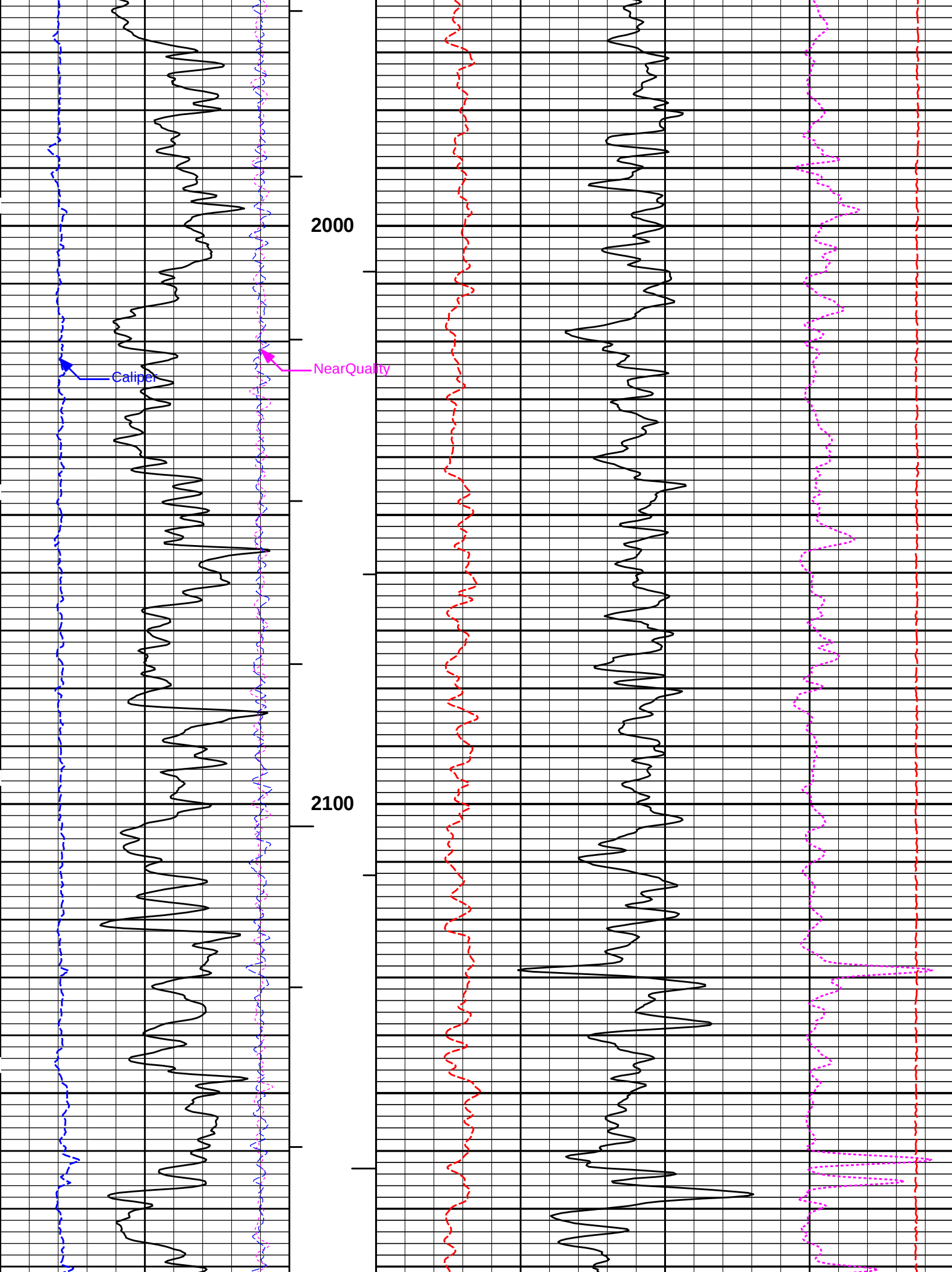


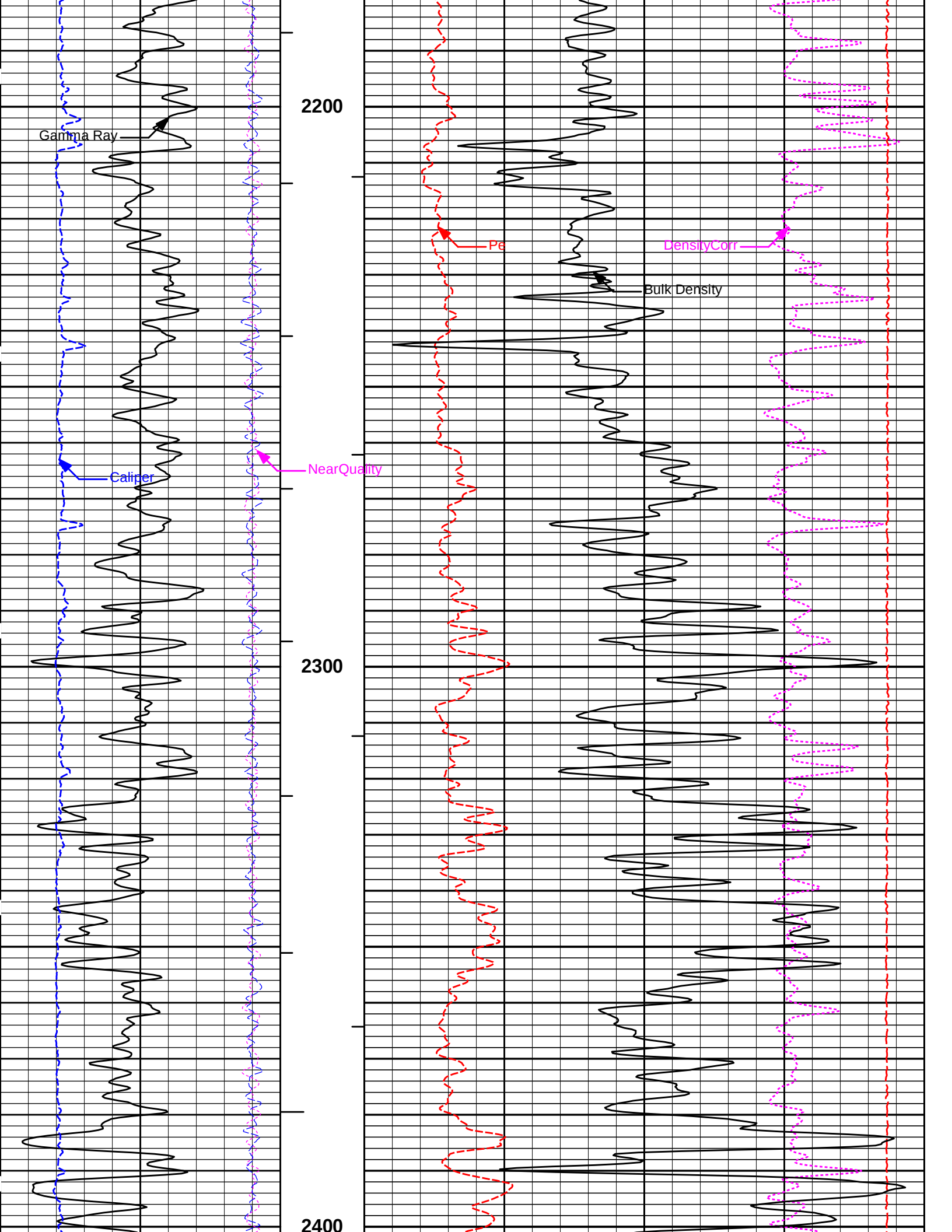


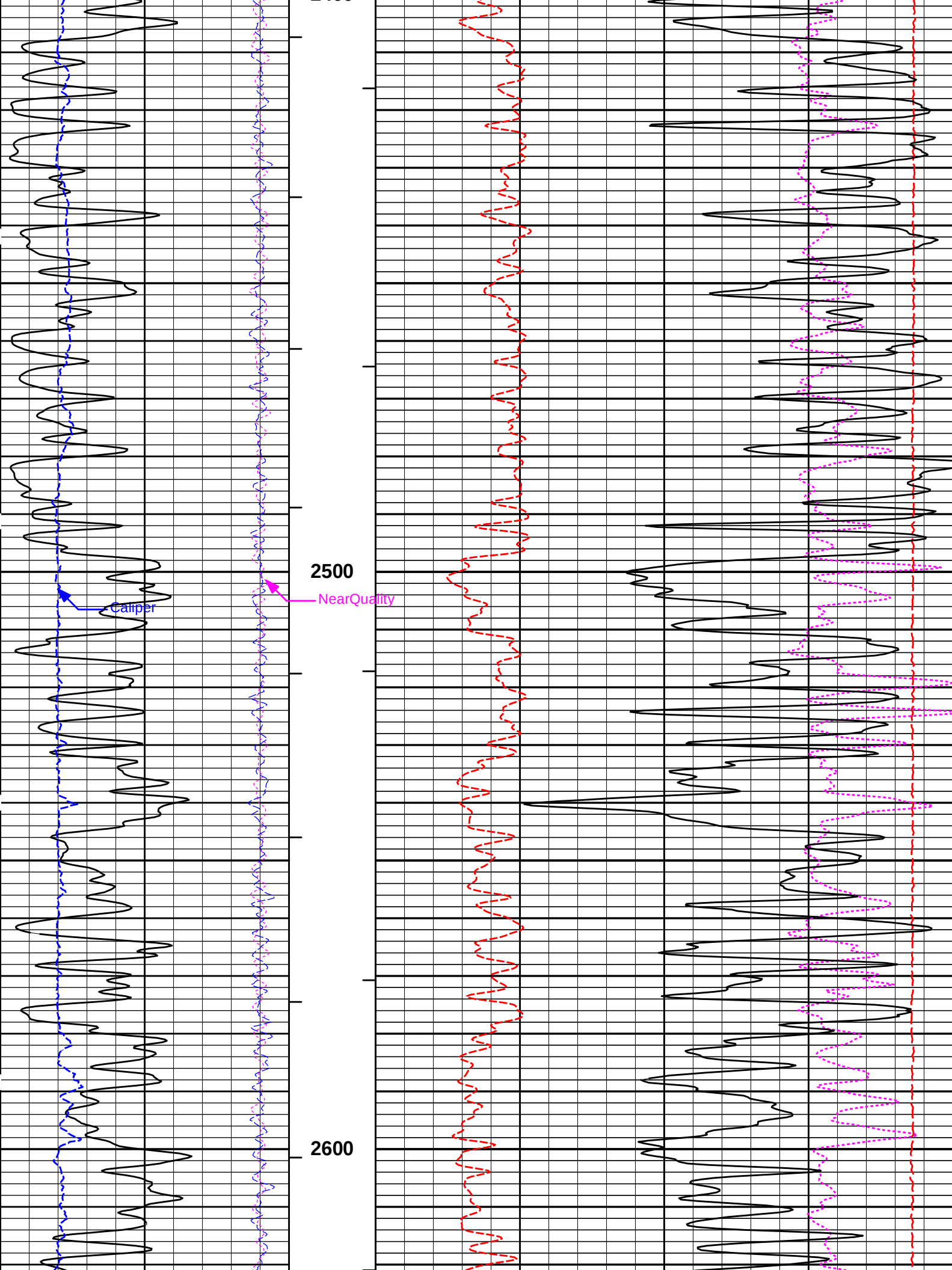


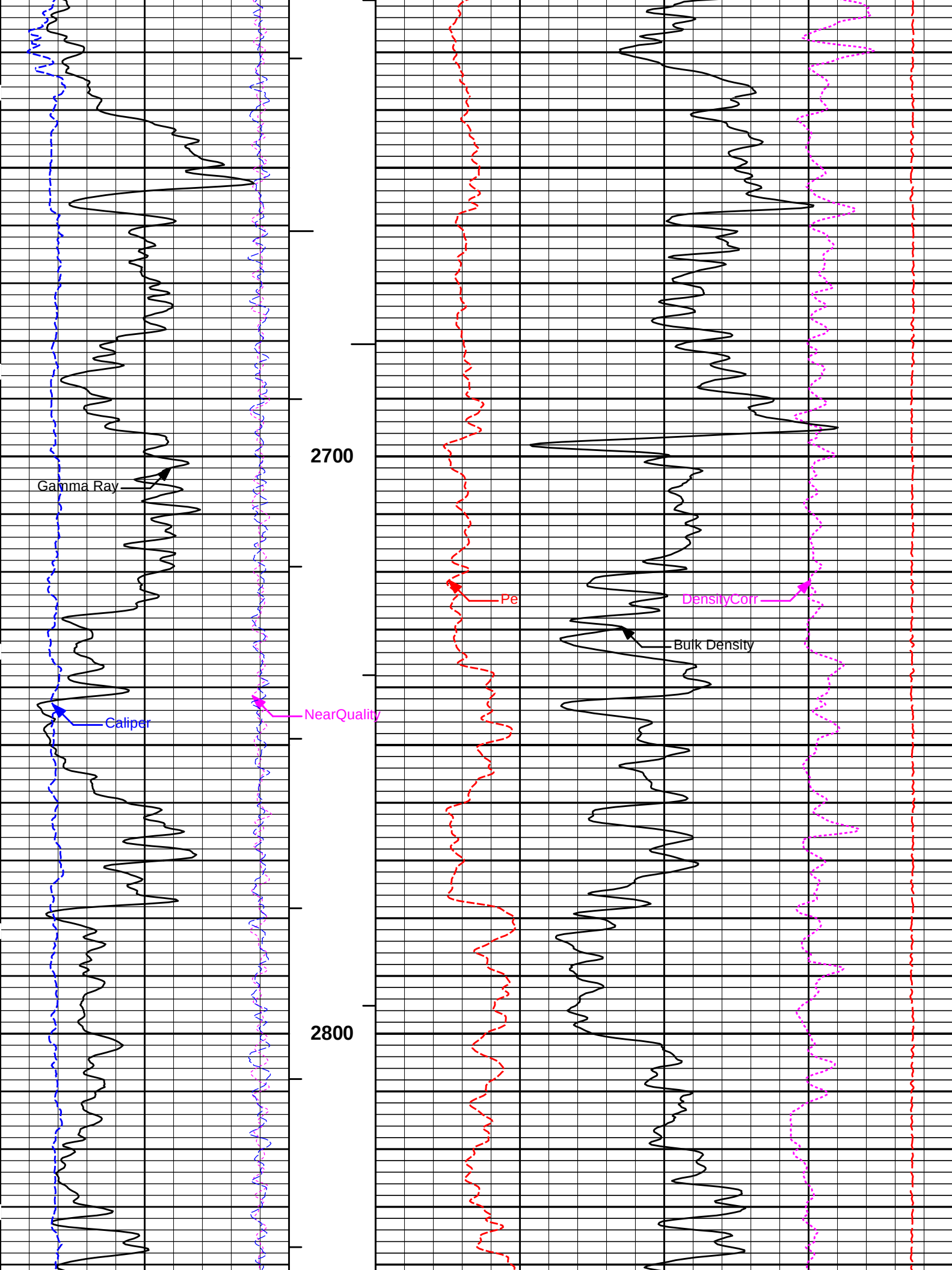


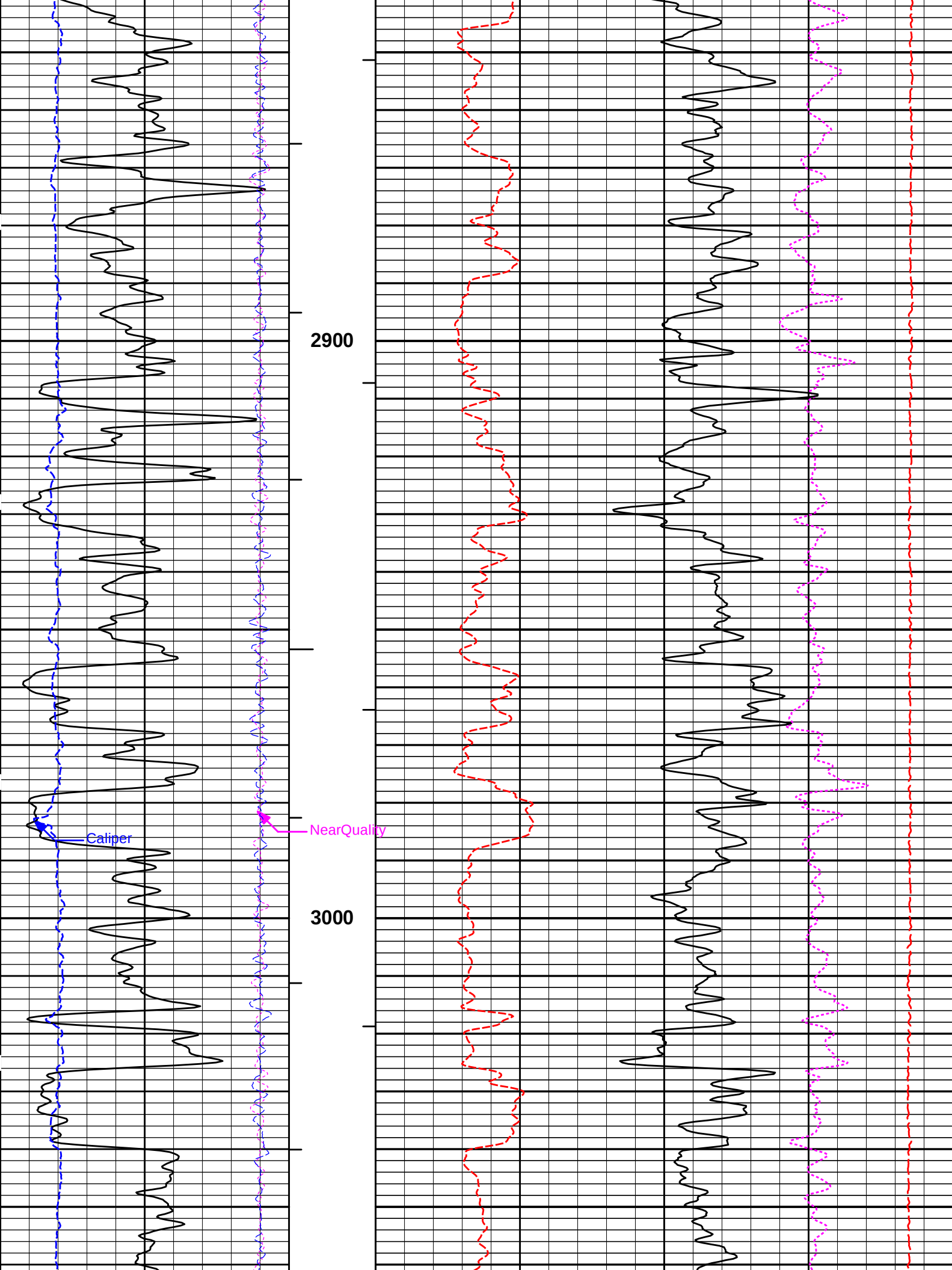


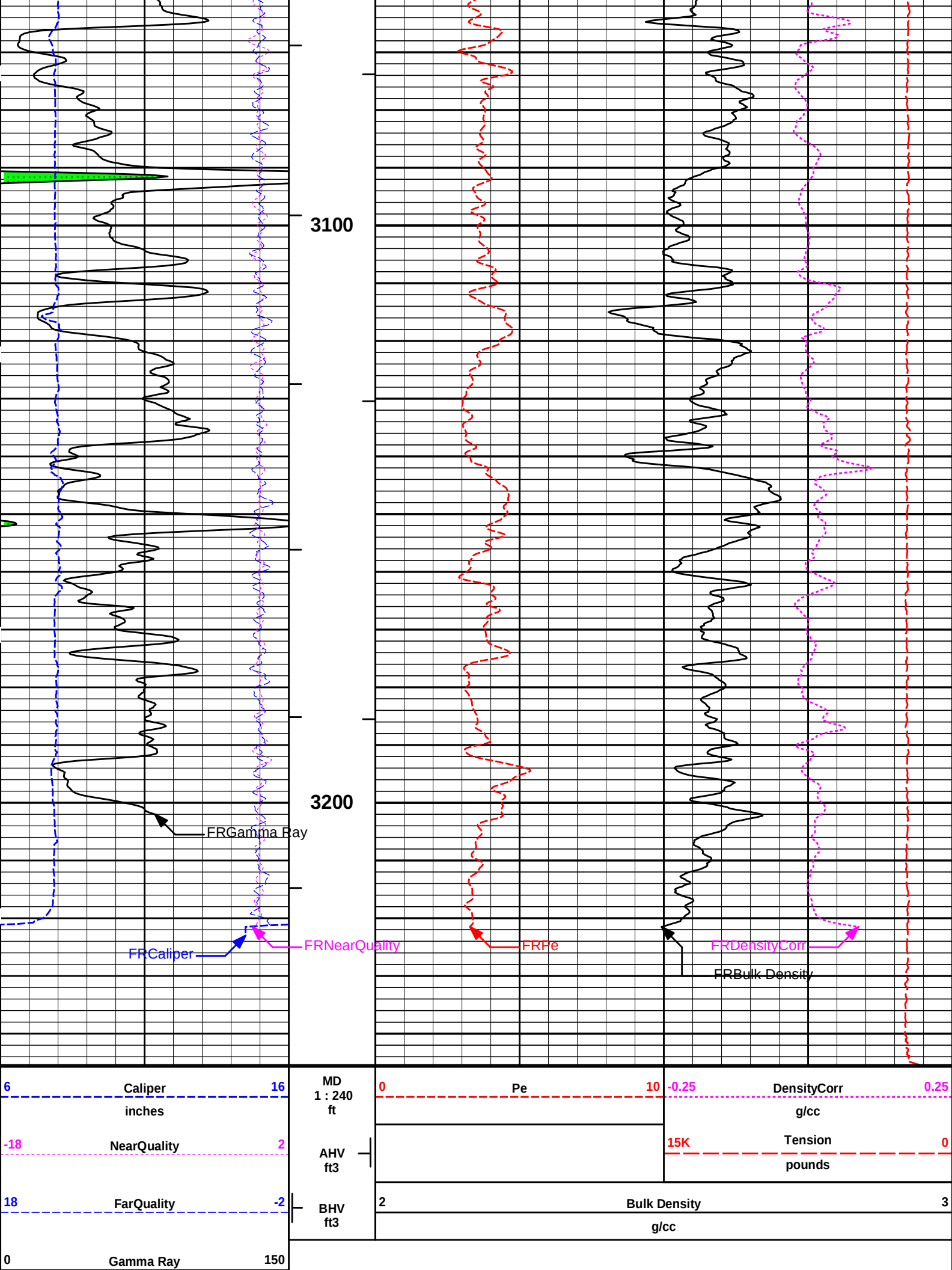












api

SHALE

HALLIBURTON

Plot Time: 24-Jul-14 11:37:20
Plot Range: 850 ft to 3245.42 ft
Data: ADAMS_ATU_N-5\Well Based\CASING\
Plot File: \\LOCAL-ADAMS_ATU_N-5\0001 SP-GTET-DSNT-SDLT-ACRT-BNIPORO\BULKD_5_MAIN_LIB

5 INCH MAIN LOG

HALLIBURTON

Plot Time: 24-Jul-14 11:37:20
Plot Range: 2850 ft to 3242.58 ft
Data: ADAMS_ATU_N-5\Well Based\REPEAT\
Plot File: \\LOCAL-ADAMS_ATU_N-5\0001 SP-GTET-DSNT-SDLT-ACRT-BNIPORO\BULKD_5_REP_LIB

REPEAT SECTION

SHALE

0 Gamma Ray 150

api

18 FarQuality -2

-18 NearQuality 2

6 Caliper 16
inches

BHV
ft3

AHV
ft3

MD
1 : 240
ft

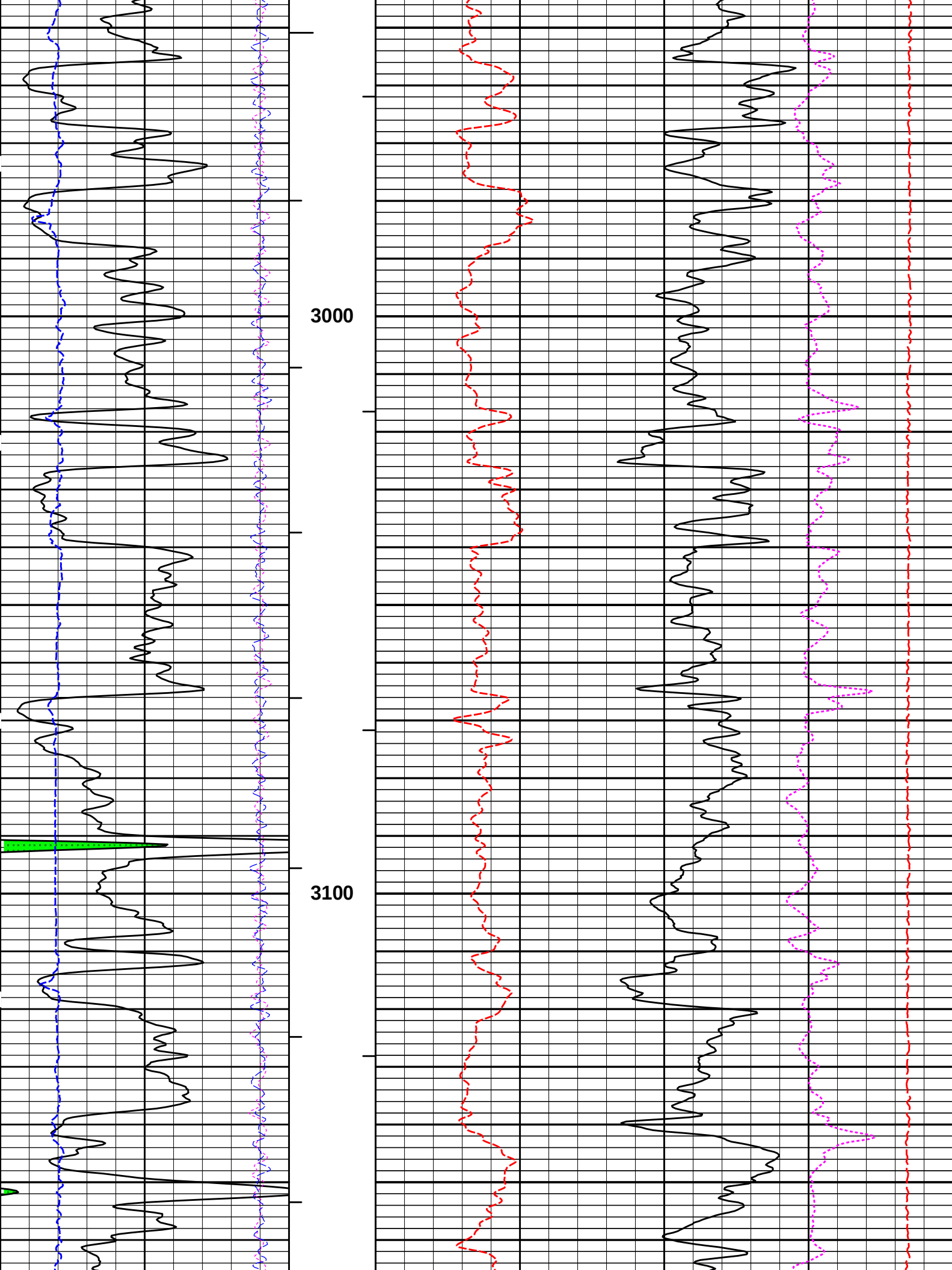
2 Bulk Density 3

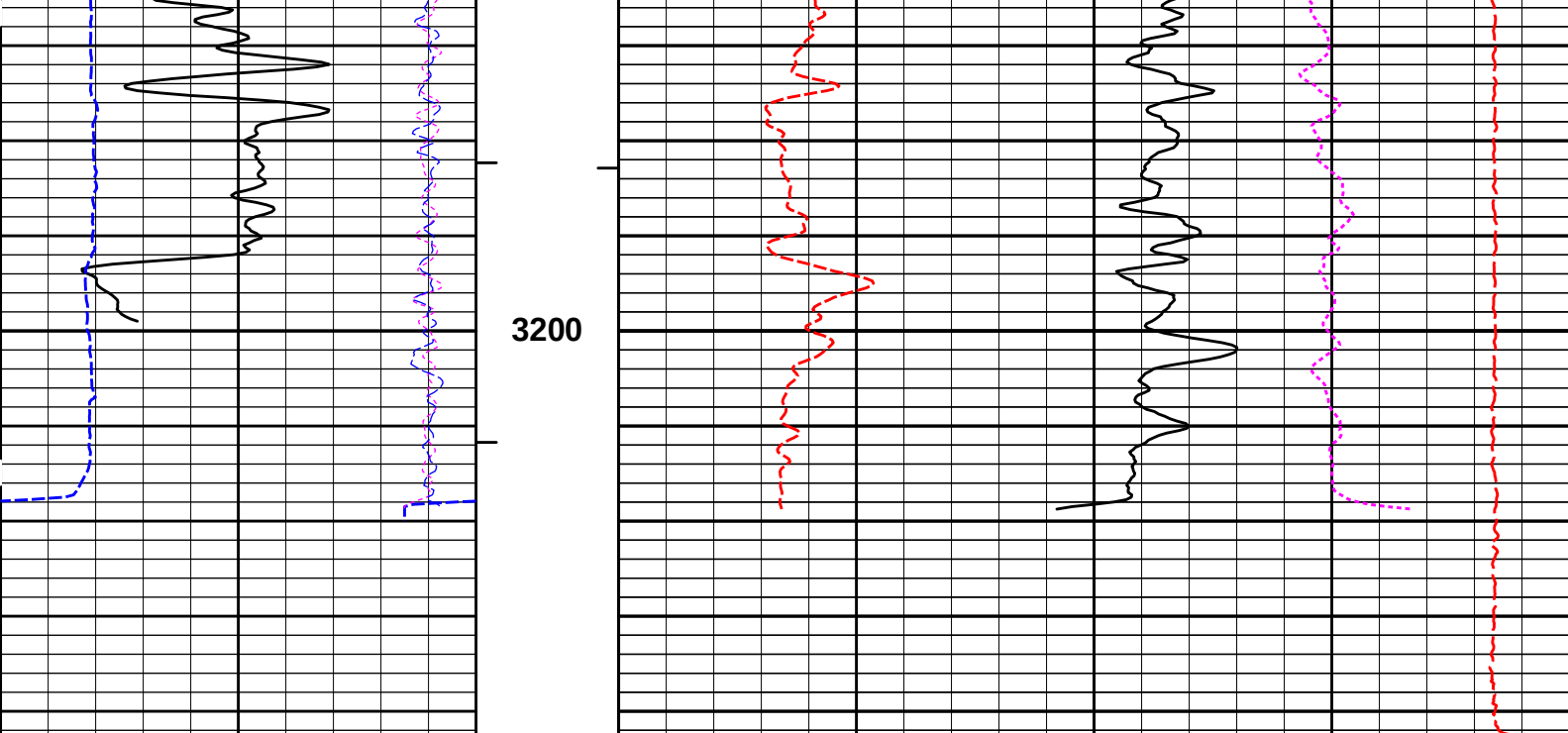
g/cc

15K Tension 0
pounds

0 Pe 10 -0.25 DensityCorr 0.25
g/cc

2900





6	Caliper	16	MD 1 : 240 ft	0	Pe	10	-0.25	DensityCorr	0.25	
	inches									
-18	NearQuality	2								
			AHV ft3	15K				Tension	0	
18	FarQuality	-2	BH ft3	2	Bulk Density					3
					g/cc					
0	Gamma Ray	150								
	api									
	SHALE									

HALLIBURTON

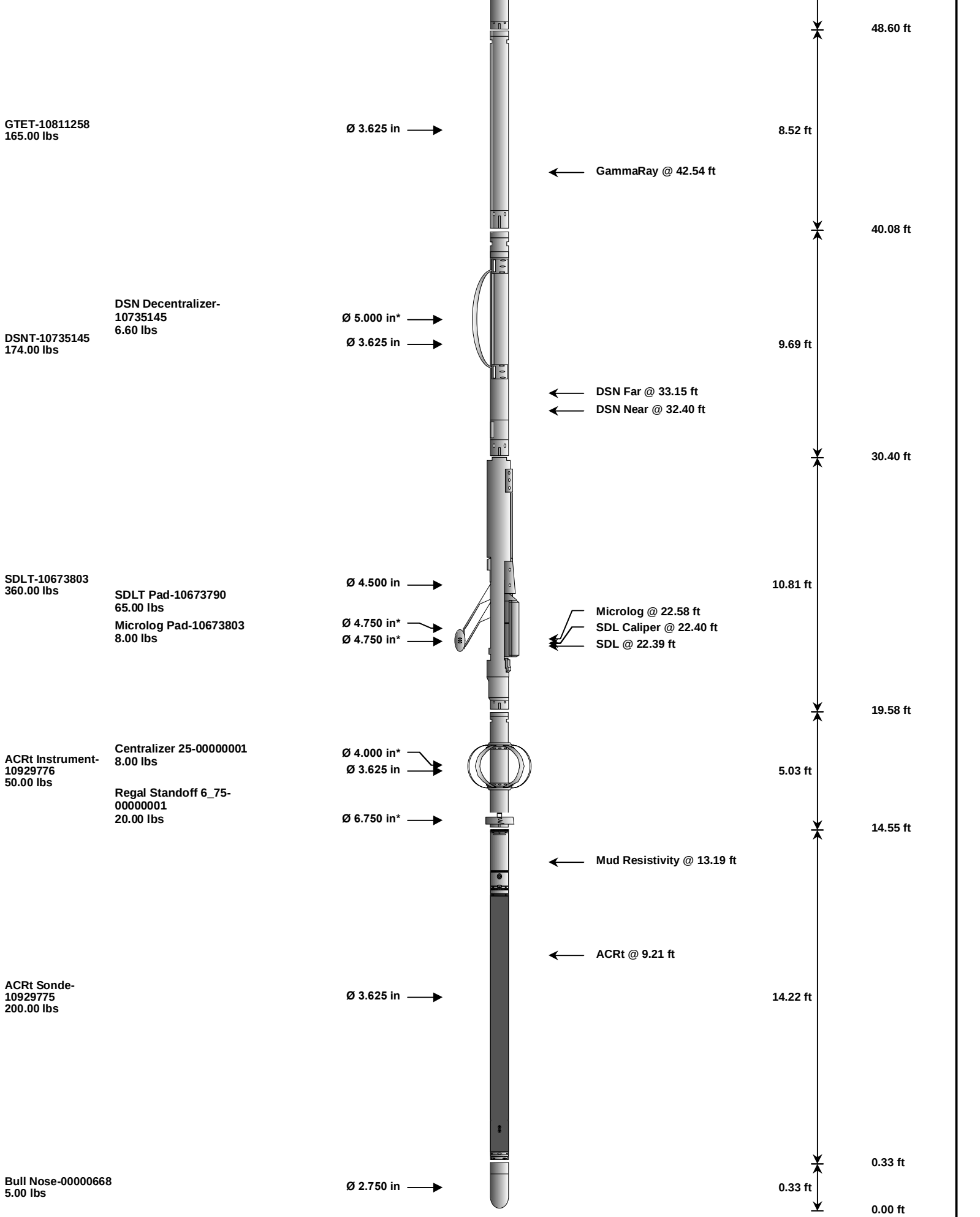
Plot Time: 24-Jul-14 11:37:21
Plot Range: 2850 ft to 3242.58 ft
Data: ADAMS_ATU_N-5\Well Based\REPEAT\
Plot File: \\LOCAL-ADAMS_ATU_N-5\0001 SP-GTET-DSNT-SDLT-ACRT-BN\PORO\BULKD_5_REP_LIB

REPEAT SECTION

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
RWCH-12156658 135.00 lbs		Ø 3.625 in →		← Load Cell @ 54.91 ft ← BH Temperature @ 54.34 ft	6.25 ft	58.59 ft
SP Sub-12345678 60.00 lbs		Ø 3.625 in →	•	← SP @ 50.56 ft	3.74 ft	52.34 ft



Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
RWCH	Releasable Wireline Cable Head	12156658	135.00	6.25	52.34	300.00

SP	SP Sub	12345678	60.00	3.74	48.60	300.00
GTET	Gamma Telemetry Tool	10811258	165.00	8.52	40.08	60.00
DSNT	Dual Spaced Neutron	10735145	174.00	9.69	30.40	60.00
DCNT	DSN Decentralizer	10735145	6.60	5.13 *	33.73	300.00
SDLT	Spectral Density Tool	10673803	360.00	10.81	19.58	60.00
SDLP	Density Insite Pad	10673790	65.00	2.55 *	21.79	60.00
MICP	Microlog Pad	10673803	8.00	1.00 *	22.08	60.00
ACRt	Array Compensated True Resistivity Instrument Section	10929776	50.00	5.03	14.55	120.00
RSOF	Regal Standoff 6.75in	00000001	20.00	0.52 *	14.71	300.00
OBCEN	Centralizer - 25 in. Overbody	00000001	8.00	2.08 *	16.19	300.00
ACRt	Array Compensated True Resistivity Sonde Section	10929775	200.00	14.22	0.33	120.00
BLNS	Bull Nose	00000668	5.00	0.33	0.00	300.00
Total			1,256.60	58.59		
* Not included in Total Length and Length Accumulation.						
Data: ADAMS_ATU_N-510001 SP-GTET-DSNT-SDLT-ACRT-BN\IDLE					Date: 24-Jul-14 08:55:06	

Tank Sensor Number: LIDERT-12
Reference value assigned to Tank: 51.680
Snow Block S/N: 668
Calibration Tank Water Temperature: 80 degF
Min. Tool Housing Outside Diameter: 3.625 in

CALIBRATION CONSTANTS			
Measurement	Prev. Value	New Value	Control Limit On New Value

Gain:	0.940	0.938	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):	0.2114	0.2110	0.0004	+/- 0.0020
------------------	--------	--------	--------	------------

Calibrated Ratio:	9.74	9.73	0.015	+/- 0.050
-------------------	------	------	-------	-----------

VERIFIER		
Measurement	Value	Control Limit

Snow-Block Porosity (decP):	0.0534	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 - 10735145	Reference Calibration Date:	02-Jul-14 15:33:22
Engineer:	SHELDON INGERSOLL	Calibration Date:	23-Jul-14 09:42:05
Software Version:	WL INSITE R4.2.0 (Build 2)	Calibration Version:	1

Logging Source S/N: DSN-436
Snow Block S/N: 668

NEUTRON FIELD-CHECK SUMMARY				
	Shop	Field	Difference	Control Limit On Change

Snow-Block Porosity (decP):	0.0534	0.0682	0.0147	+/- 0.0150
-----------------------------	--------	--------	--------	------------

PASS/FAIL SUMMARY	
-------------------	--

Block Change Check:	Passed
---------------------	--------

Snow Block Stat Check:	Passed
------------------------	--------

Temperature Check:	Passed
--------------------	--------

DENSITY CALIPER SHOP CALIBRATION

Tool Name:	SDLT - 10673803	Reference Calibration Date:	02-Jul-14 18:16:36
Engineer:	SUHAIL BISHTI	Calibration Date:	02-Jul-14 18:21:32
Software Version:	WL INSITE R4.2.0 (Build 2)	Calibration Version:	1
Host Tool Name:	DSNT - 10735145		

CALIBRATION COEFFICIENTS			
Measurement	Previous Value	New Value	Control Limit On New Value

Pad Offset	-4014.14	-4142.26	-7000.00 - -1000.00
------------	----------	----------	---------------------

Pad Gain	0.0003813	0.0003886	0.000200 - 0.000600
----------	-----------	-----------	---------------------

Arm Offset	-4605.08	-4426.09	-5000.00 - 3000.00
------------	----------	----------	--------------------

Arm Gain0.00048670.00047030.000300 - 0.000700

Arm Power-0.000003958-0.000002743-0.000010000 - 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)	2.01	2.00	-0.01	+/- 0.20
Medium Ring (in)	3.73	3.75	0.02	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.53	6.50	-0.03	+/- 0.20
Medium Ring (in)	8.31	8.25	-0.06	+/- 0.20
Large Ring (in)	15.01	15.00	-0.01	+/- 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 - 10673803	Reference Calibration Date:	02-Jul-14 18:21:32
Engineer:	SHELDON INGERSOLL	Calibration Date:	23-Jul-14 09:28:40
Software Version:	WL INSITE R4.2.0 (Build 2)	Calibration Version:	1

MEASURED CALIPER VALUES				
Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.71	-0.04	+/- 0.10
Ring Diameter	8.25	8.35	0.10	+/- 0.15

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

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name:	SDLT Pad - 10673790	Reference Calibration Date:	02-Jul-14 16:21:59
Engineer:	SUHAIL BISHTI	Calibration Date:	02-Jul-14 16:42:04
Software Version:	WL INSITE R4.2.0 (Build 2)	Calibration Version:	1

Logging Source S/N: 5073 GW

Aluminum Block S/N: LIBERALDensity: 2.598g/ccPe: 3.170

Magnesium Block S/N: LIBERALDensity: 1.684g/ccPe: 2.598

DENSITY CALIBRATION SUMMARY			
Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	1.0607	1.0689	0.90 - 1.10
Near Dens Gain	1.0317	1.0362	0.90 - 1.10
Near Peak Gain	1.0278	1.0385	0.90 - 1.10
Near Lith Gain	0.9871	1.0043	0.90 - 1.10
Far Bar Gain	1.0131	1.0142	0.90 - 1.10
Far Dens Gain	0.9987	0.9995	0.90 - 1.10
Far Peak Gain	0.9916	0.9933	0.90 - 1.10
Far Lith Gain	0.9569	0.9589	0.90 - 1.10

Far Lith Gain	0.9569	0.9589	0.90 - 1.10
Near Bar Offset	-0.2788	-0.3532	NONE
Near Dens Offset	-0.0172	-0.0545	NONE
Near Peak Offset	0.0344	-0.0537	NONE
Near Lith Offset	0.3529	0.2125	NONE
Far Bar Offset	0.0831	0.0737	NONE
Far Dens Offset	0.1738	0.1686	NONE
Far Peak Offset	0.1843	0.1703	NONE
Far Lith Offset	0.3620	0.3467	NONE
Near Bar Background	844.44	843.87	700 - 1450
Near Dens Background	276.37	276.88	230 - 480
Near Peak Background	120.34	121.13	100 - 210
Near Lith Background	150.58	149.36	125 - 260
Far Bar Background	562.16	564.12	450 - 900
Far Dens Background	219.82	223.18	175 - 345
Far Peak Background	88.34	88.19	70 - 140
Far Lith Background	93.14	92.26	75 - 145

CALIBRATION BLOCK SUMMARY				
Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.683	1.684	0.001	+/- 0.015
Pe	2.581	2.562	-0.019	+/- 0.150
ALUMINUM				
Density (g/cc)	2.597	2.598	0.001	+/- 0.01500
Pe	3.132	3.131	-0.001	+/- 0.150

TOOL SUMMARY				
Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	0.0003	+/- 0.0110	0.0007	+/- 0.0140
Magnesium Block	-0.0010	+/- 0.0110	-0.0007	+/- 0.0140
Aluminum Block	0.0005	+/- 0.0110	-0.0004	+/- 0.0140
Resolution	8.55	6.00 - 11.50	8.97	6.00 - 11.50
Internal Verifier(B+D+P+L)	1391	1200 - 2700	968	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 - 10673790

Reference Calibration Date: 02-Jul-14 16:42:04

Engineer: SHELDON INGERSOLL		Calibration Date: 23-Jul-14 09:11:10				
Software Version: WL INSITE R4.2.0 (Build 2)		Calibration Version: 1				
Pad Temperature: 81.7 degF						
DENSITY FIELD CALIBRATION SUMMARY						
Measurement	Shop	Field	Change	Control Limit +/-		
Near (B+D+P+L) cps	1391.253	1392.293	1.040	15.067		
Far (B+D+P+L) cps	967.744	962.503	-5.241	16.732		
Near Resolution	8.55	8.59	0.040	0.50		
Far Resolution	8.97	9.10	0.130	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
GTET-10811258						
Gamma Ray Calibrator	232.0	233.4	-----	-1.4	+/- 9.00	api
DSNT-10735145						
Snow-Block Porosity	0.0534	0.0682	-----	-0.0148	+/- 0.0150	decp
SDLT-10673803						
Pad Extension	3.75	3.71	-----	0.04	+/-0.10	in
Ring Diameter	8.25	8.35	-----	-0.10	+/-0.15	in
SDLT Pad-10673790						
Near(B+D+P+L)	1391.253	1392.293	-----	-1.040	+/-15.067	cps
Far(B+D+P+L)	967.744	962.503	-----	5.241	+/-16.732	cps
Data: ADAMS ATU N-510001 SP-GTET-DSNT-SDI T-ACRT-RN\DI F						
Date: 24-Jul-14 08:59:16						
HALLIBURTON						
PARAMETERS REPORT						
Depth (ft)	Tool Name	Mnemonic	Description	Value	Units	
TOP-----						
	SHARED	BS	Bit Size	12.250	in	
1688.00-----						
	SHARED	BS	Bit Size	7.875	in	
	SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No		
	SHARED	MDBS	Mud Base	Water		
	SHARED	MDWT	Borehole Fluid Weight	8.400	ppg	
	SHARED	WAGT	Weighting Agent	Natural		
	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	5.500	in	
	SHARED	ST	Surface Temperature	75.0	degF	
	SHARED	TD	Total Well Depth	3260.00	ft	
	SHARED	BHT	Bottom Hole Temperature	200.0	degF	

SHARED	SVTM	Navigation and Survey Master Tool	NONE	
SHARED	AZTM	High Res Z Accelerometer Master Tool	GTET	
SHARED	TEMM	Temperature Master Tool	NONE	
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	SDLT	
GTET	GROK	Process Gamma Ray?	Yes	
GTET	GRSO	Gamma Tool Standoff	0.000	in
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	DNTP	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	
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	
Microlog Pad	MLOK	Process MicroLog Outputs?	Yes	
ACRt Sonde	RTOK	Process ACRt?	Yes	
ACRt Sonde	MNSO	Minimum Tool Standoff	1.50	in
ACRt Sonde	TCS1	Temperature Correction Source	FP Lwr & FP Up	
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	RMIN	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	

BOTTOM

INPUTS, DELAYS AND FILTERS TABLE

Mnemonic	Input Description	Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel				
TENS	Tension	0.00	NO	
Rwa / CrossPlot				
TPUL	Tension Pull	58.59	NO	
BS	Bit Size	58.59	NO	
HDIA	Measured Hole Diameter	0.00	NO	
RWCH				
DHTN	DownholeTension	0.00	BLK	0.000
SP Sub				
PLTC	Plot Control Mask	50.56	NO	
SP	Spontaneous Potential	50.56	BLK	1.250
SPR	Raw Spontaneous Potential	50.56	NO	
SPO	Spontaneous Potential Offset	50.56	NO	
GTET				
TPUL	Tension Pull	42.54	NO	
GR	Natural Gamma Ray API	42.54	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	42.54	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	42.54	W	1.416 , 0.750
HDIA	Measured Hole Diameter	0.00	NO	
ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
DSNT				
TPUL	Tension Pull	32.30	NO	
RNDS	Near Detector Telemetry Counts	32.40	BLK	1.417
RFDS	Far Detector Telemetry Counts	33.15	TRI	0.583
DNTT	DSN Tool Temperature	32.40	NO	
DSNS	DSN Tool Status	32.30	NO	
ERND	Near Detector Telemetry Counts EVR	32.40	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	33.15	BLK	0.000
ENTM	DSN Tool Temperature EVR	32.40	NO	
HDIA	Measured Hole Diameter	0.00	NO	
SDLT				
TPUL	Tension Pull	22.40	NO	
PCAL	Pad Caliper	22.40	TRI	0.250
ACAL	Arm Caliper	22.40	TRI	0.250
ACRt Sonde				
TPUL	Tension Pull	2.73	NO	
F1R1	ACRT 12KHz - 80in R value	8.98	BLK	0.000
F1X1	ACRT 12KHz - 80in X value	8.98	BLK	0.000
F1R2	ACRT 12KHz - 50in R value	6.48	BLK	0.000
F1X2	ACRT 12KHz - 50in X value	6.48	BLK	0.000
F1R3	ACRT 12KHz - 29in R value	4.98	BLK	0.000
F1X3	ACRT 12KHz - 29in X value	4.98	BLK	0.000

F1R4	ACRT 12KHz - 17in R value	3.98	BLK	0.000
F1X4	ACRT 12KHz - 17in X value	3.98	BLK	0.000
F1R5	ACRT 12KHz - 10in R value	3.48	BLK	0.000
F1X5	ACRT 12KHz - 10in X value	3.48	BLK	0.000
F1R6	ACRT 12KHz - 6in R value	3.23	BLK	0.000
F1X6	ACRT 12KHz - 6in X value	3.23	BLK	0.000
F2R1	ACRT 36KHz - 80in R value	8.98	BLK	0.000
F2X1	ACRT 36KHz - 80in X value	8.98	BLK	0.000
F2R2	ACRT 36KHz - 50in R value	6.48	BLK	0.000
F2X2	ACRT 36KHz - 50in X value	6.48	BLK	0.000
F2R3	ACRT 36KHz - 29in R value	4.98	BLK	0.000
F2X3	ACRT 36KHz - 29in X value	4.98	BLK	0.000
F2R4	ACRT 36KHz - 17in R value	3.98	BLK	0.000
F2X4	ACRT 36KHz - 17in X value	3.98	BLK	0.000
F2R5	ACRT 36KHz - 10in R value	3.48	BLK	0.000
F2X5	ACRT 36KHz - 10in X value	3.48	BLK	0.000
F2R6	ACRT 36KHz - 6in R value	3.23	BLK	0.000
F2X6	ACRT 36KHz - 6in X value	3.23	BLK	0.000
F3R1	ACRT 72KHz - 80in R value	8.98	BLK	0.000
F3X1	ACRT 72KHz - 80in X value	8.98	BLK	0.000
F3R2	ACRT 72KHz - 50in R value	6.48	BLK	0.000
F3X2	ACRT 72KHz - 50in X value	6.48	BLK	0.000
F3R3	ACRT 72KHz - 29in R value	4.98	BLK	0.000
F3X3	ACRT 72KHz - 29in X value	4.98	BLK	0.000
F3R4	ACRT 72KHz - 17in R value	3.98	BLK	0.000
F3X4	ACRT 72KHz - 17in X value	3.98	BLK	0.000
F3R5	ACRT 72KHz - 10in R value	3.48	BLK	0.000
F3X5	ACRT 72KHz - 10in X value	3.48	BLK	0.000
F3R6	ACRT 72KHz - 6in R value	3.23	BLK	0.000
F3X6	ACRT 72KHz - 6in X value	3.23	BLK	0.000
RMUD	Mud Resistivity	12.52	BLK	0.000
F1RT	Transmitter Reference 12 KHz Real Signal	2.73	BLK	0.000
F1XT	Transmitter Reference 12 KHz Imaginary Signal	2.73	BLK	0.000
F2RT	Transmitter Reference 36 KHz Real Signal	2.73	BLK	0.000
F2XT	Transmitter Reference 36 KHz Imaginary Signal	2.73	BLK	0.000
F3RT	Transmitter Reference 72 KHz Real Signal	2.73	BLK	0.000
F3XT	Transmitter Reference 72 KHz Imaginary Signal	2.73	BLK	0.000
TFPU	Upper Feedpipe Temperature Calculated	2.73	BLK	0.000
TFPL	Lower Feedpipe Temperature Calculated	2.73	BLK	0.000
ITMP	Instrument Temperature	2.73	BLK	0.000
TCVA	Temperature Correction Values Loop Off	2.73	NO	
TIDV	Instrument Temperature Derivative	2.73	NO	
TUDV	Upper Temperature Derivative	2.73	NO	
TLDV	Lower Temperature Derivative	2.73	NO	
TRBD	Receiver Board Temperature	2.73	NO	
HDIA	Measured Hole Diameter	0.00	NO	
SDLT Pad				
TPUL	Tension Pull	22.39	NO	
NAB	Near Above	22.21	BLK	0.920
NHI	Near Cesium High	22.21	BLK	0.920
NLO	Near Cesium Low	22.21	BLK	0.920
NVA	Near Valley	22.21	BLK	0.920
NBA	Near Barite	22.21	BLK	0.920
NDE	Near Density	22.21	BLK	0.920

NPK	Near Peak	22.21	BLK	0.920
NLI	Near Lithology	22.21	BLK	0.920
NBAU	Near Barite Unfiltered	22.21	BLK	0.250
NLIU	Near Lithology Unfiltered	22.21	BLK	0.250
FAB	Far Above	22.56	BLK	0.250
FHI	Far Cesium High	22.56	BLK	0.250
FLO	Far Cesium Low	22.56	BLK	0.250
FVA	Far Valley	22.56	BLK	0.250
FBA	Far Barite	22.56	BLK	0.250
FDE	Far Density	22.56	BLK	0.250
FPK	Far Peak	22.56	BLK	0.250
FLI	Far Lithology	22.56	BLK	0.250
PTMP	Pad Temperature	22.40	BLK	0.920
NHV	Near Detector High Voltage	21.79	NO	
FHV	Far Detector High Voltage	21.79	NO	
ITMP	Instrument Temperature	21.79	NO	
DDHV	Detector High Voltage	21.79	NO	
HDIA	Measured Hole Diameter	0.00	NO	

Microlog Pad				
TPUL	Tension Pull	22.58	NO	
MINV	Microlog Lateral	22.58	BLK	0.750
MNOR	Microlog Normal	22.58	BLK	0.750
Data: ADAMS_ATU_N-5\0001 SP-GTET-DSNT-SDLT-ACRT-BN\IDLE			Date: 24-Jul-14 08:57:42	

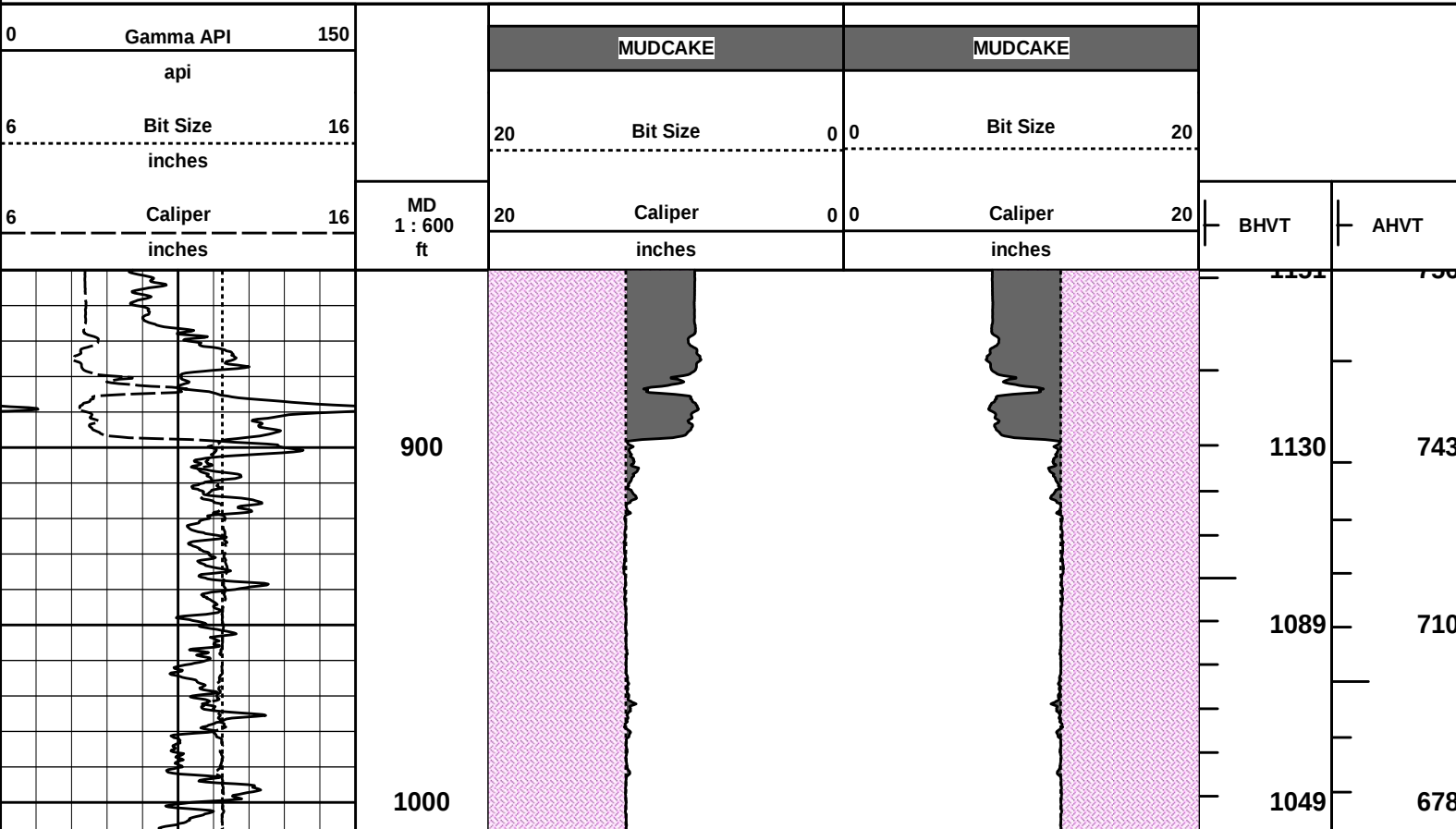
Plot Time: 24-Jul-14 11:37:22

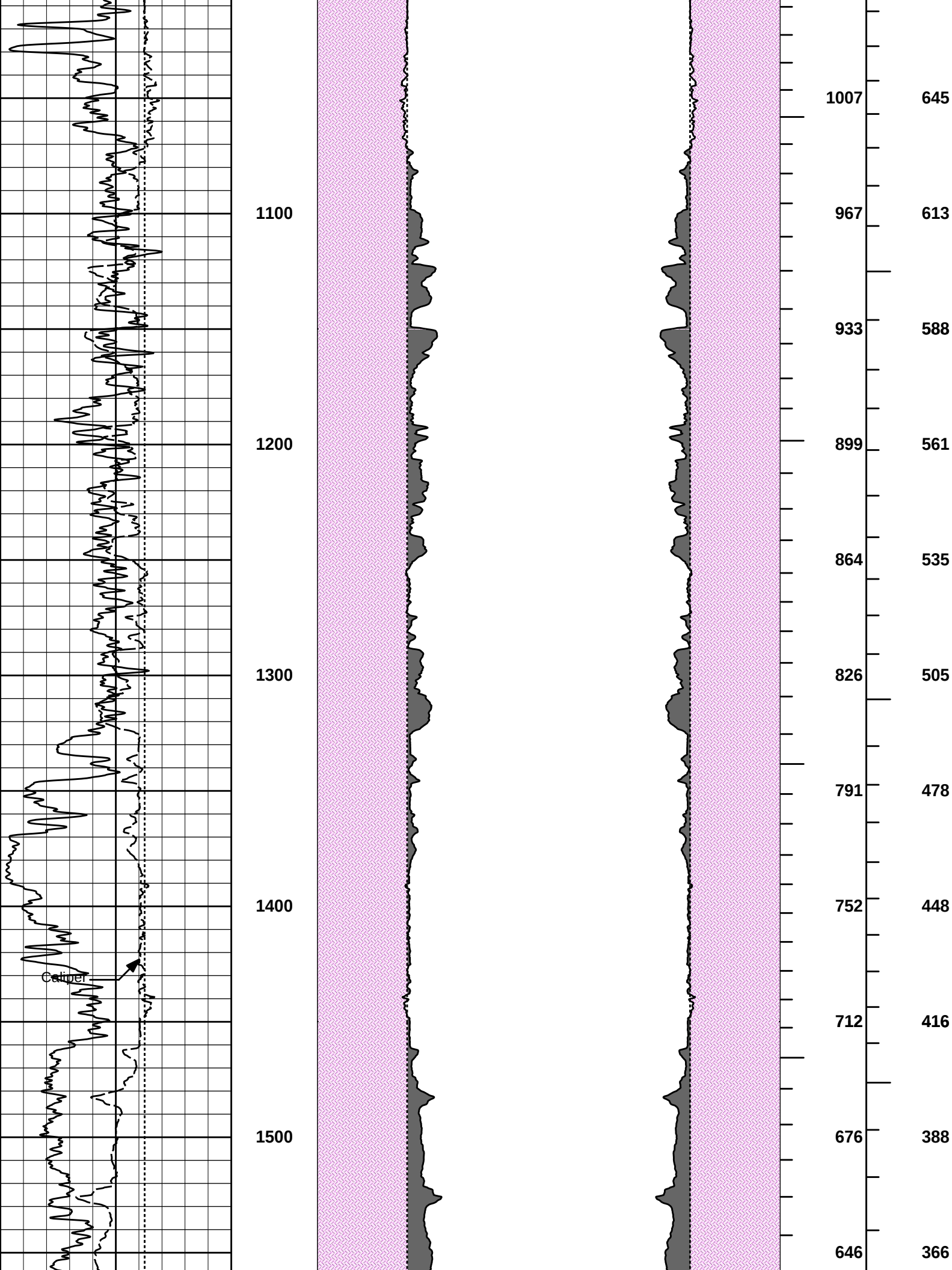
Plot Range: 850 ft to 3245.42 ft

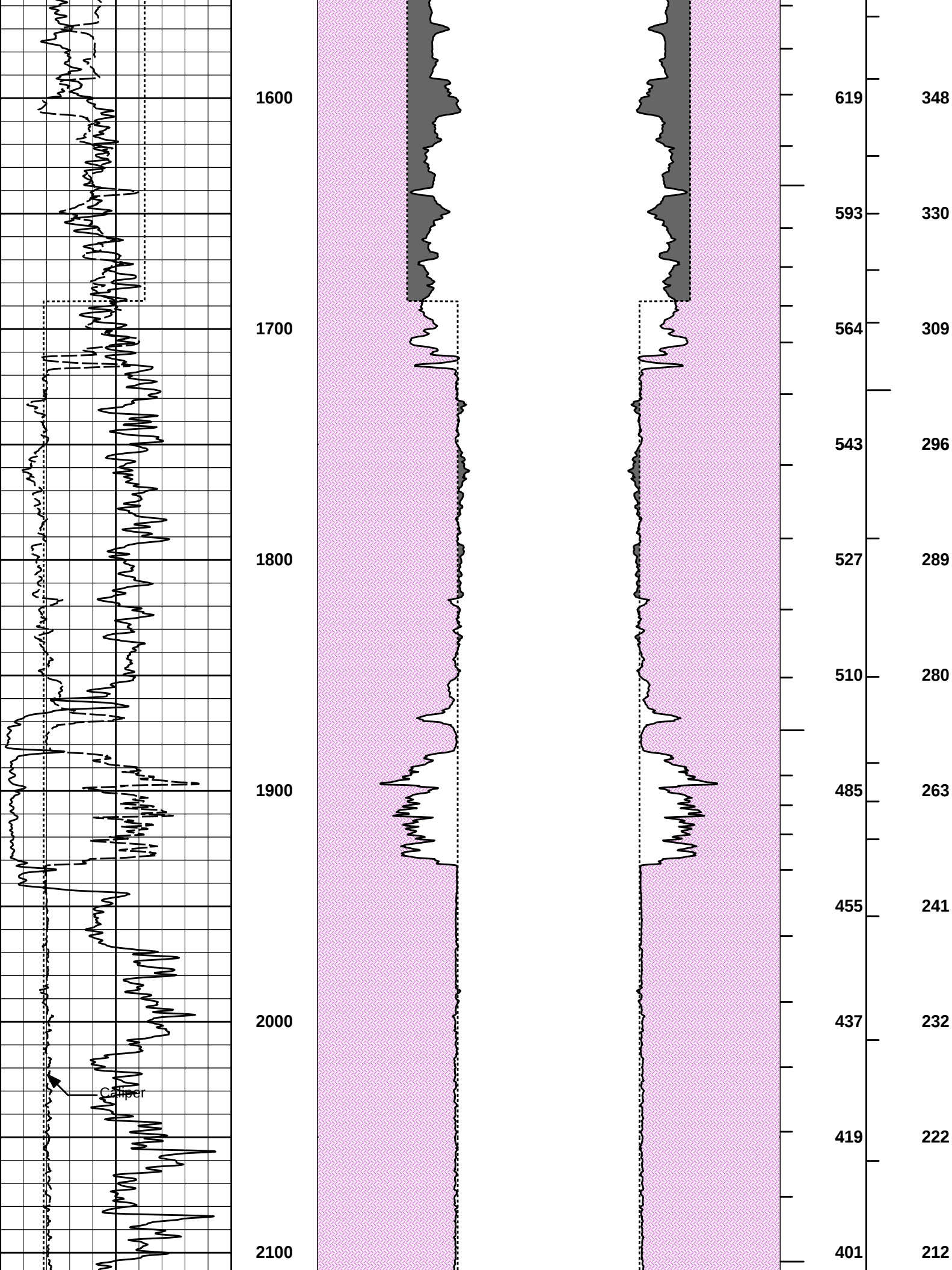
Data: ADAMS_ATU_N-5\Well Based\CASING\

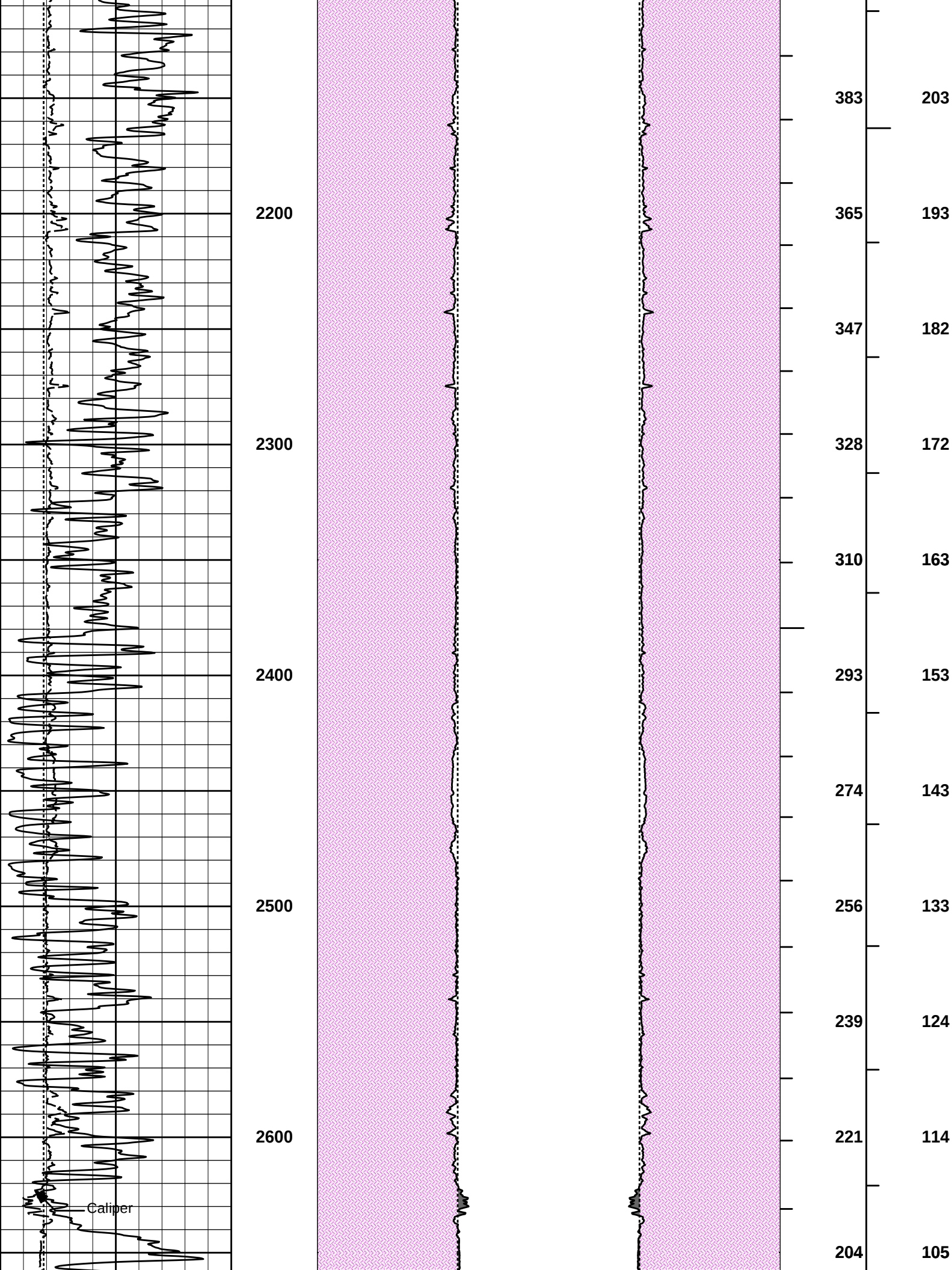
Plot File: \\LOCAL-ADAMS_ATU_N-5\0001 SP-GTET-DSNT-SDLT-ACRT-BN\PORO\AHV_2_IQ_LIB

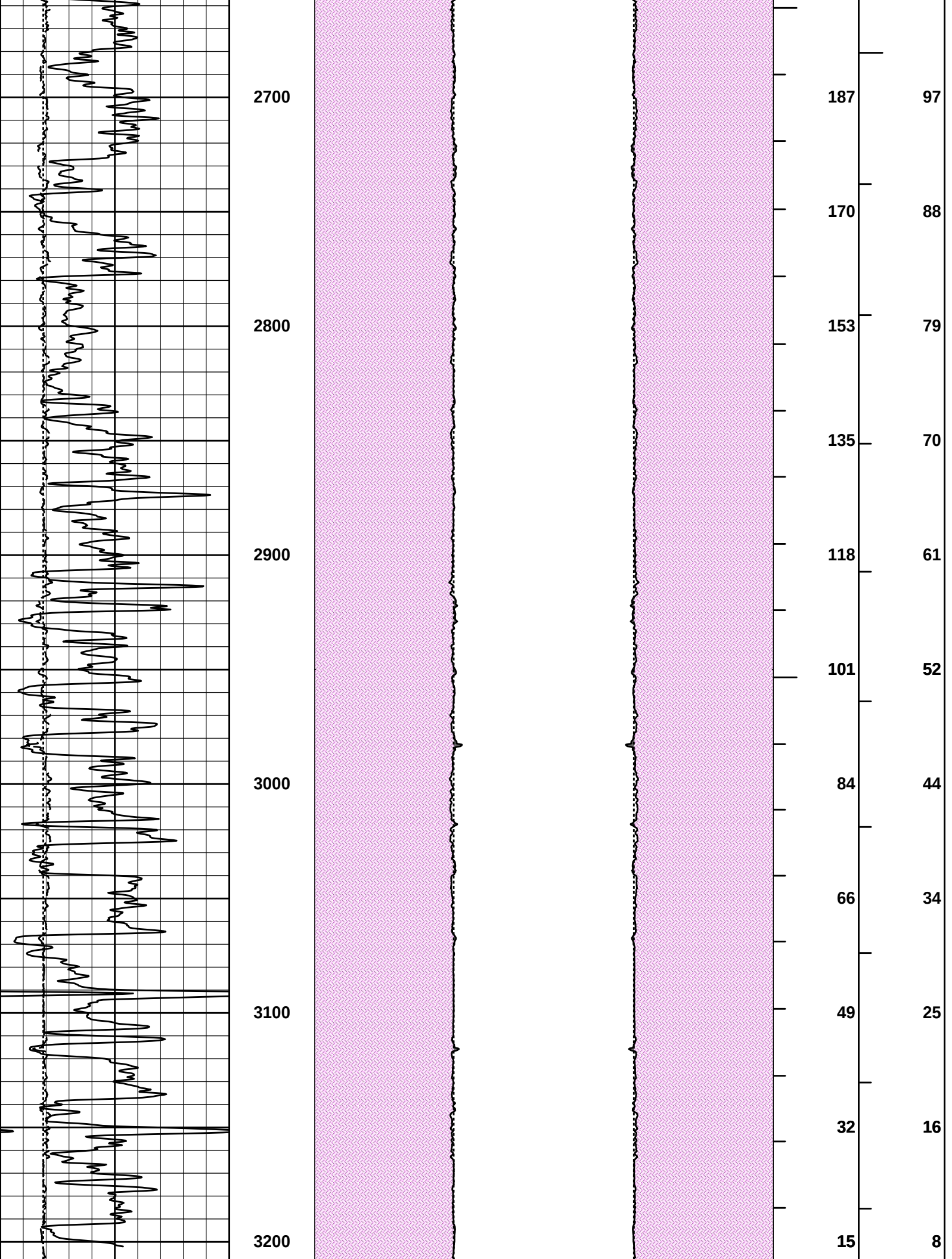
ANNULAR HOLE VOLUME PLOT

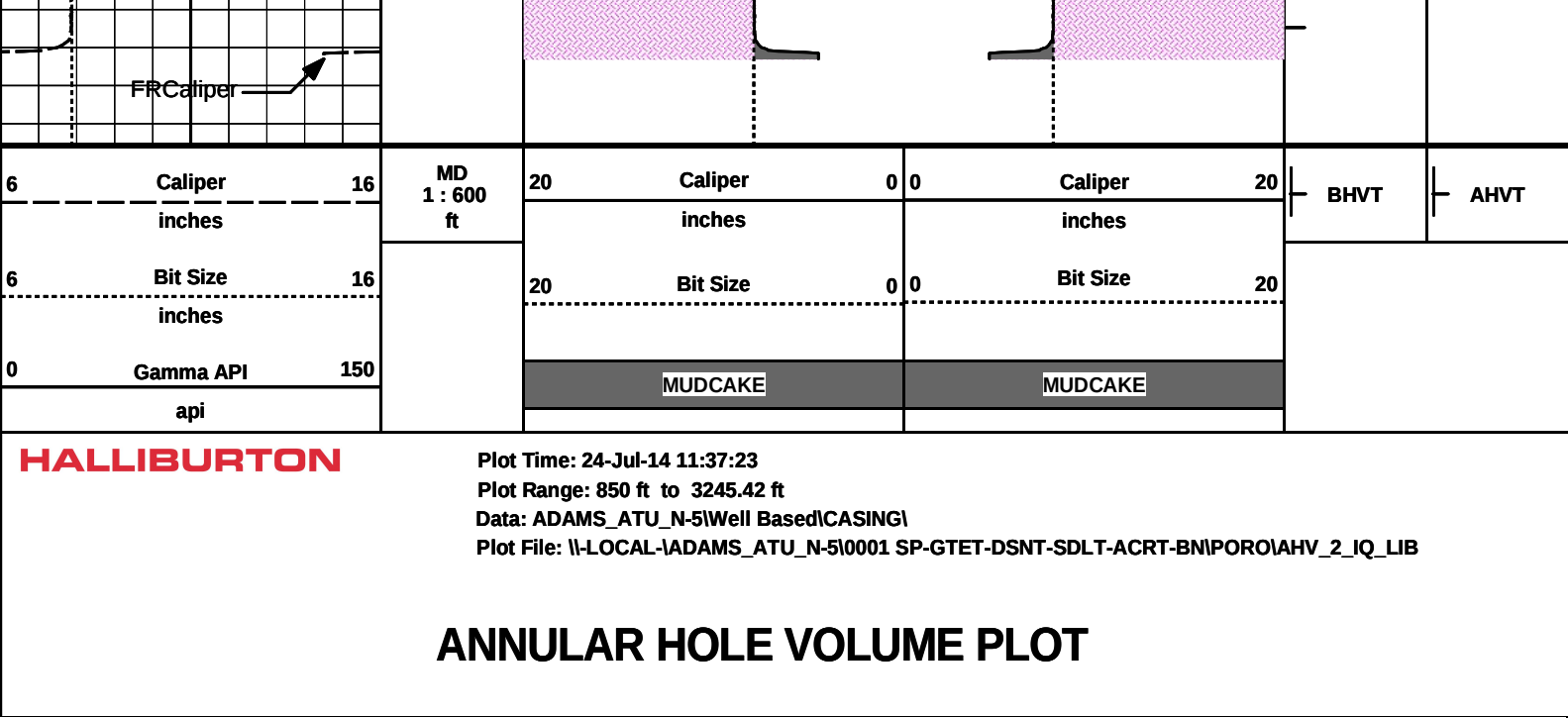












COMPANY	MERIT ENERGY		
WELL	ADAMS ATU N-5		
FIELD	HUGOTON		
COUNTY	GRANT	STATE	KANSAS
HALLIBURTON		SPECTRAL DENSITY DUAL SPACED NEUTRON LOG	