

COMPANY					OXY USA, INC.				
WELL					BCU #409				
FIELD					HASKELL				
COUNTY					ARKANSAS				
STATE					ARKANSAS				
Permanent Datum					GL				
Log measured from					KB				
Drilling measured from					KB				
Date					07-Nov-12				
Run No.					ONE				
Depth - Driller					5758.00 ft				
Depth - Logger					5746.0 ft				
Bottom - Logged Interval					5724				
Top - Logged Interval					4000				
Casing - Driller					8.625 in @ 1803.0 ft				
Casing - Logger					1803.0 ft				
Bit Size					7.875 in				
Type Fluid in Hole					WBM				
Density					9.3 ppg				
PH					9.80 pH				
Source of Sample					FLOWLINE				
Rm @ Meas. Temperature					0.850 ohmm @ 68.00 degF				
Rmf @ Meas. Temperature					0.64 ohmm @ 66.00 degF				
Rmc @ Meas. Temperature					1.275 ohmm @ 66.00 degF				
Source Rmf					CALC				
Rm @ BHT					0.42 ohmm @ 143.0 degF				
Time Since Circulation					8.0 hr				
Time on Bottom					07-Nov-12 05:10				
Max. Rec. Temperature					143.0 degF @ 5746.0 ft				
Equipment					786				
Recorded By					BOWMAR				
Witnessed By					R. WEBSTER				
Sect. 31					Twp. 27S				
Rge. 33W					Elev. 3003.4 ft				
API No. 15-081-22000					Location (SHL) 1575' FNL & 1525' FEL				
COUNTY					HASKELL				
FIELD					BCU #409				
STATE					ARKANSAS				
Other Services:					ACRT				
SDU/DSN					MICROLOG				
BSAT					Elev.: K.B. 3014.4 ft				
D.F. 3012.4 ft					G.L. 3003.4 ft				

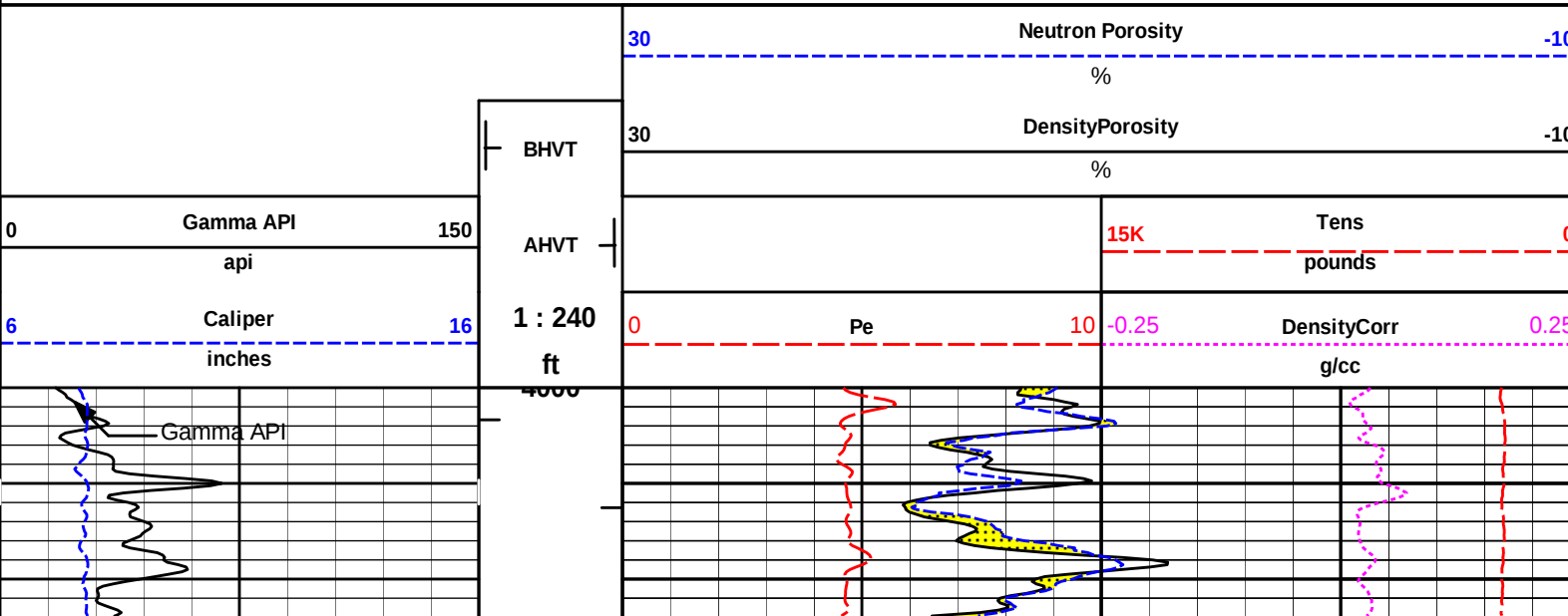
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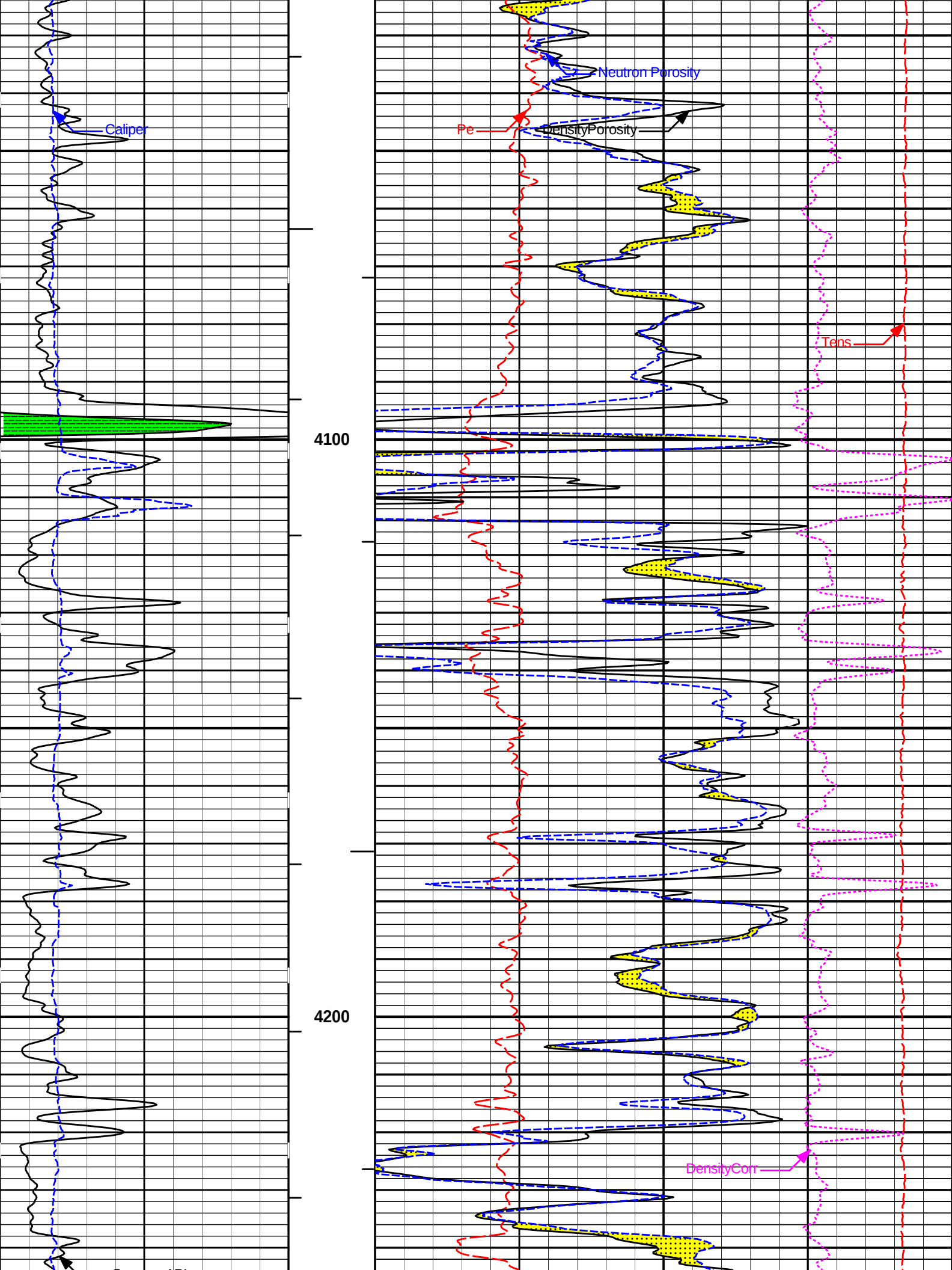
Service Ticket No.: 9949870					API Serial No.: 15-081-22000					PGM Version: WL INSITE R3.6.0 (Build 3)				
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE						RESISTIVITY SCALE CHANGES								
Date	Sample No.					Type Log	Depth	Scale Up Hole		Scale Down Hole				
Depth-Driller														
Type Fluid in Hole														
Density	Viscosity													
Ph	Fluid Loss													
Source of Sample						RESISTIVITY EQUIPMENT DATA								
Rm @ Meas. Temp		@		@		Run No.	Tool Type & No.	Pad Type	Tool Pos.	Other				
Rmf @ Meas. Temp.		@		@		ONE	ACRT-							
Rmc @ Meas. Temp.		@		@			90130937	N/A	1.5" S.O.					
Source Rmf	Rmc													
Rm @ BHT		@		@										
Rmf @ BHT		@		@										
Rmc @ BHT		@		@										
EQUIPMENT DATA														
GAMMA			ACOUSTIC			DENSITY			NEUTRON					
Run No.	ONE		Run No.	ONE		Run No.	ONE		Run No.	ONE				
Serial No.	10957072		Serial No.	10747686		Serial No.	90130931		Serial No.	10958654				
Model No.	GTET		Model No.	BSAT		Model No.	SDLT		Model No.	DSNT				
Diameter	3.625		No. of Cent.	2		Diameter	4.5		Diameter	3.625				
Detector Model No.			Spacing			Log Type	GAM-GAM		Log Type	NEU-NEU				
Type						Source Type	CS-137		Source Type	AM241BE				
Length			LSA [Y/N]			Serial No.	20784B		Serial No.	373				
Distance to Source			FWDA [Y/N]			Strength	1.5 CI		Strength	15 CI				

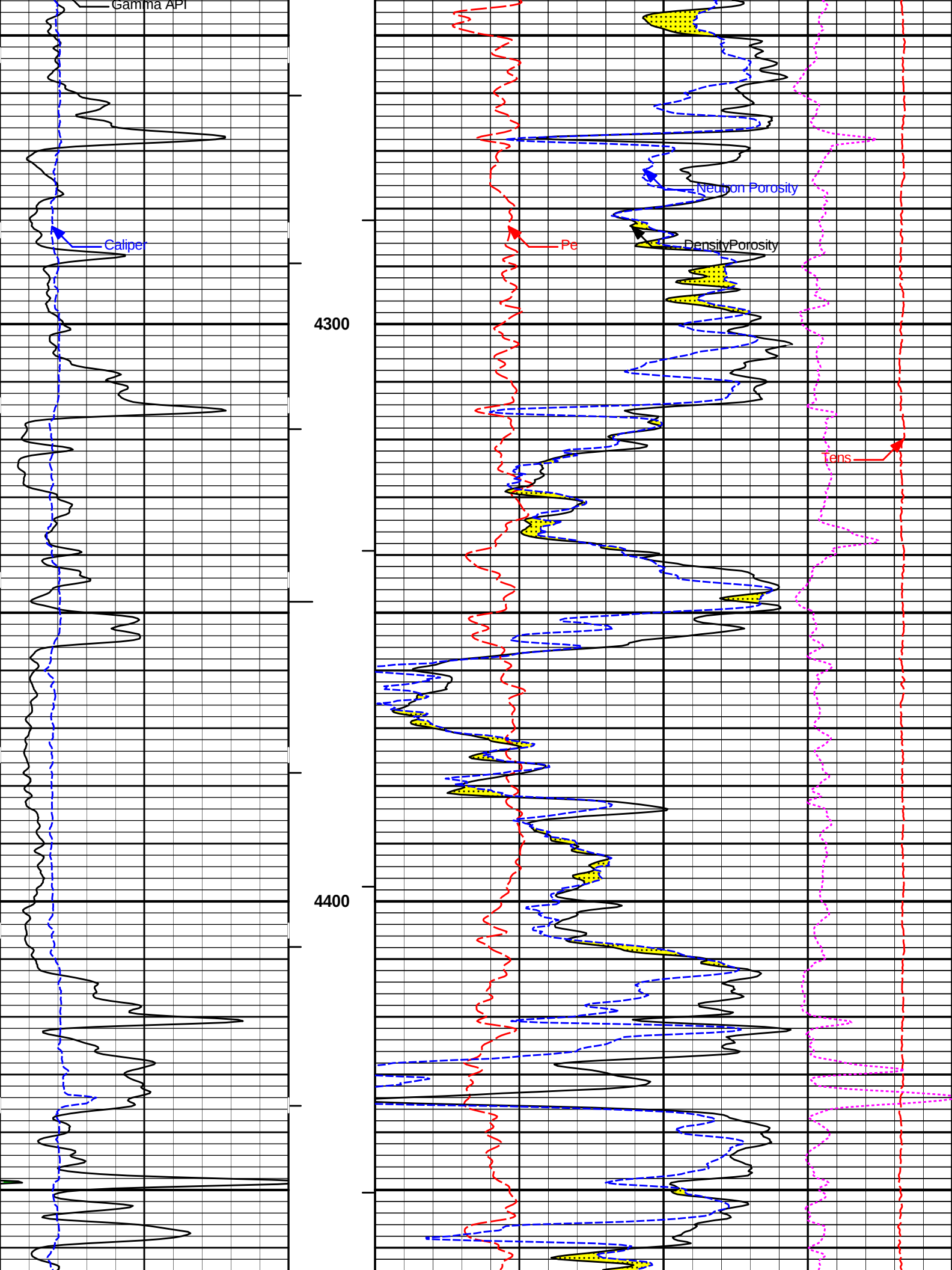
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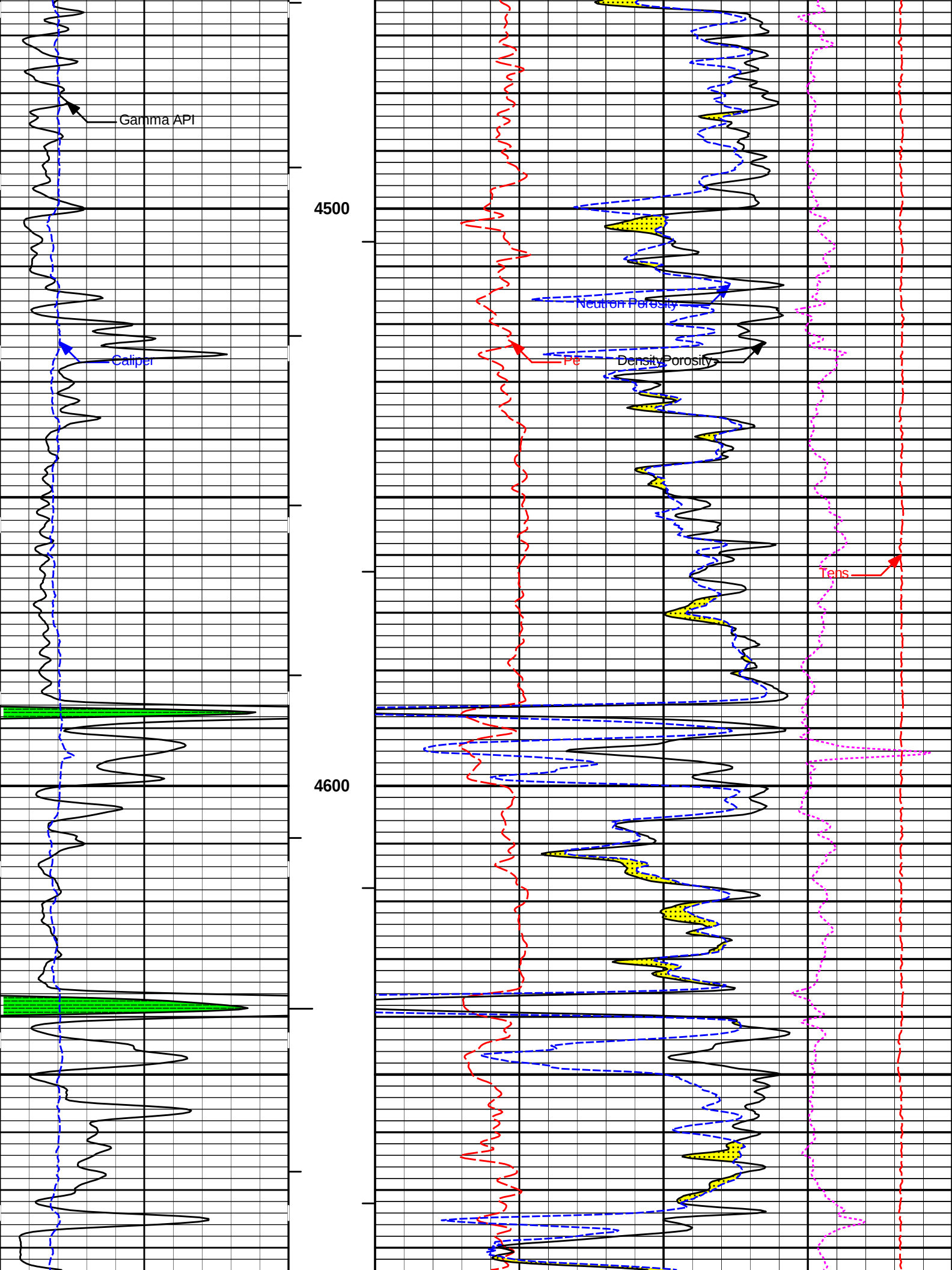
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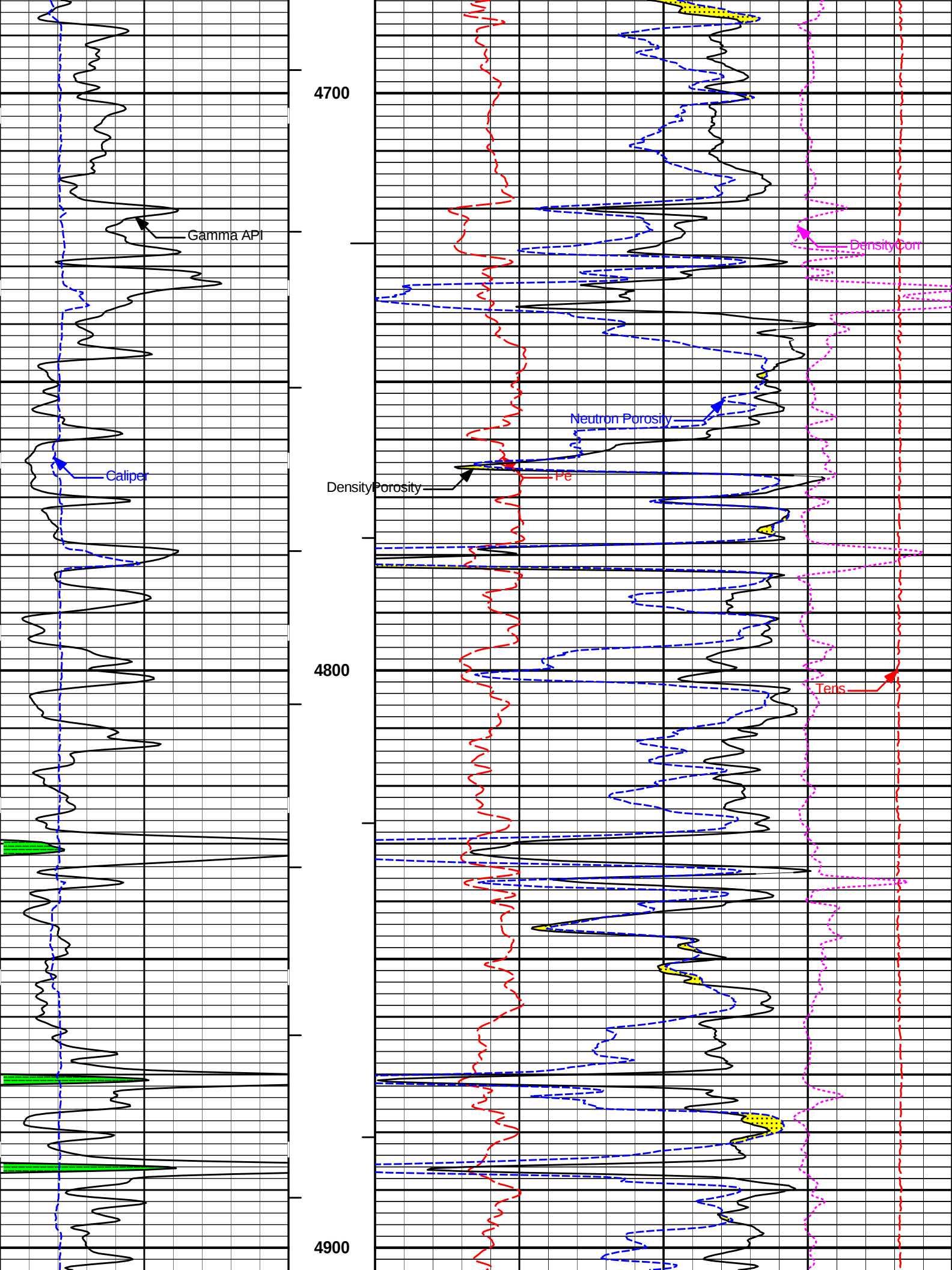
5 INCH MAIN LOG

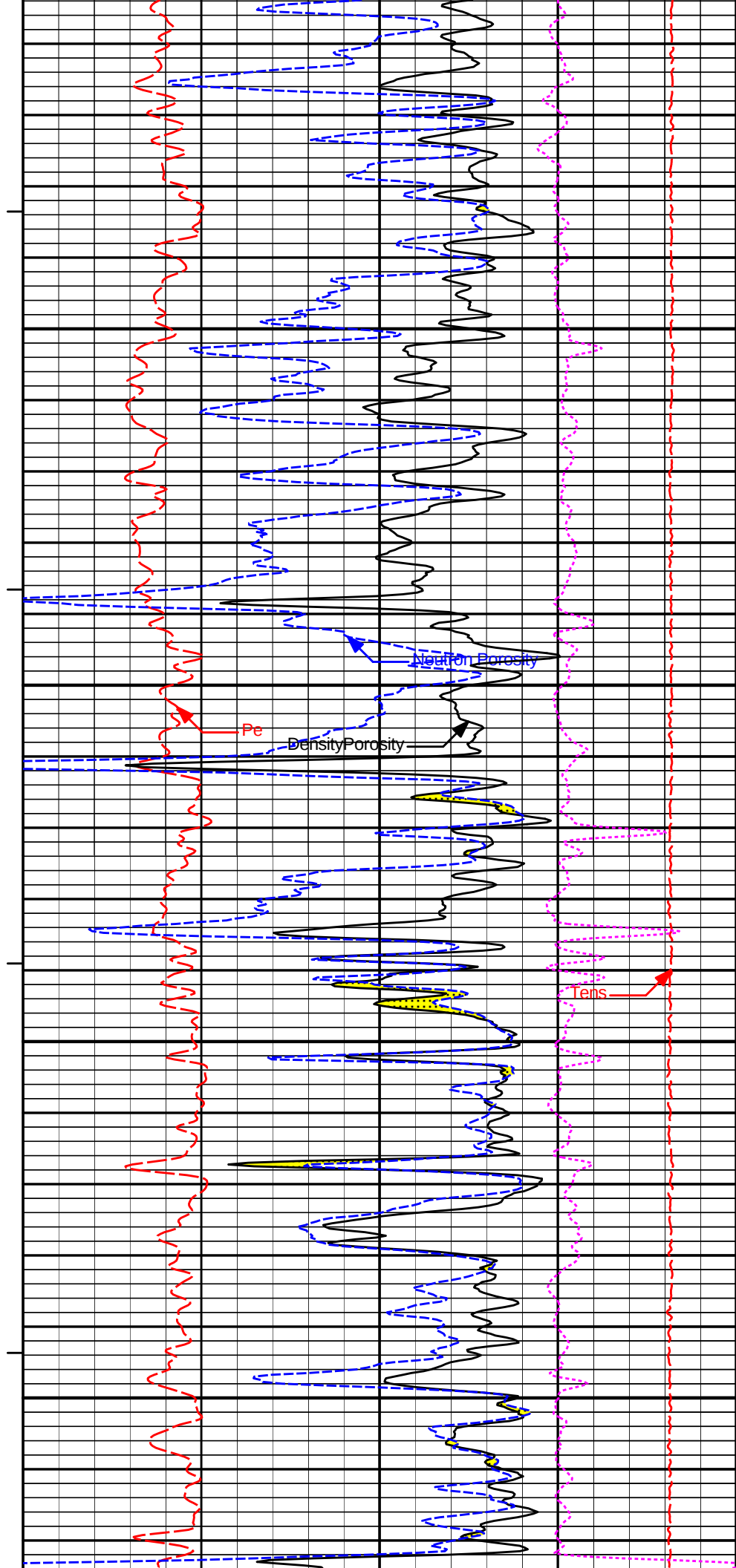
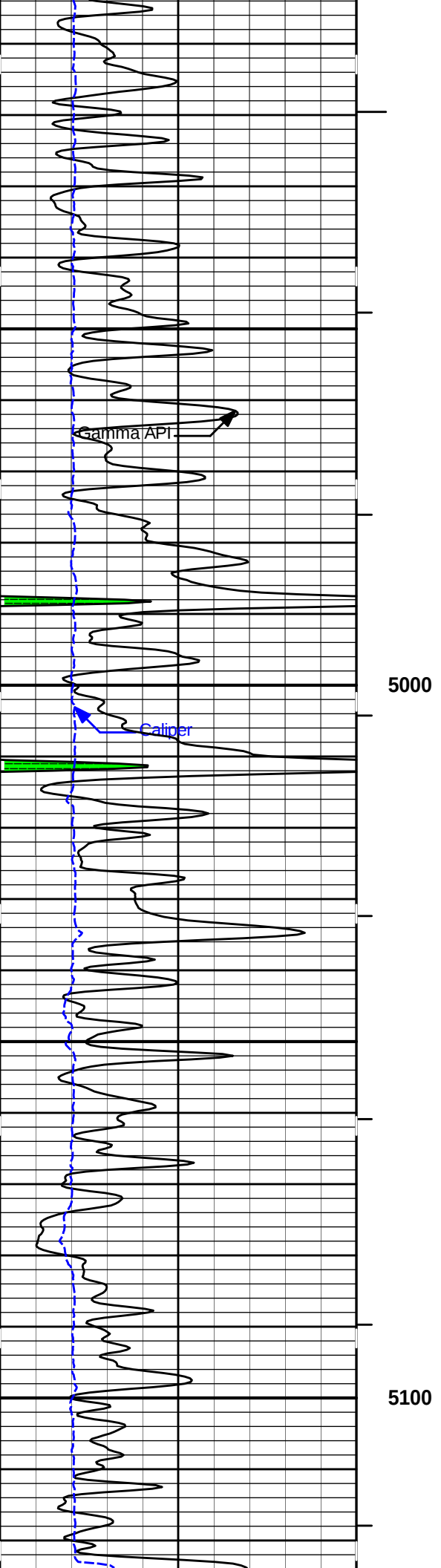


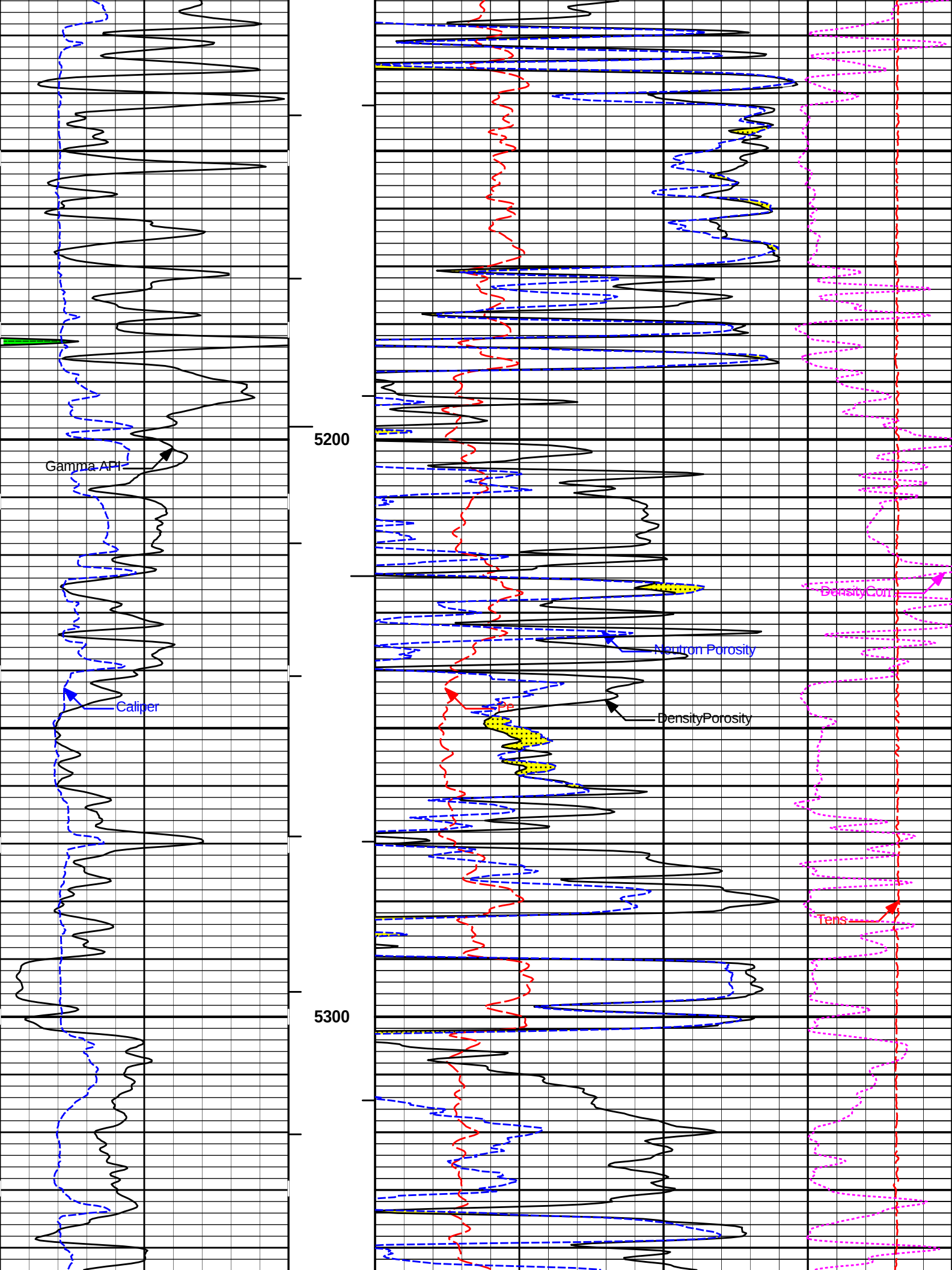


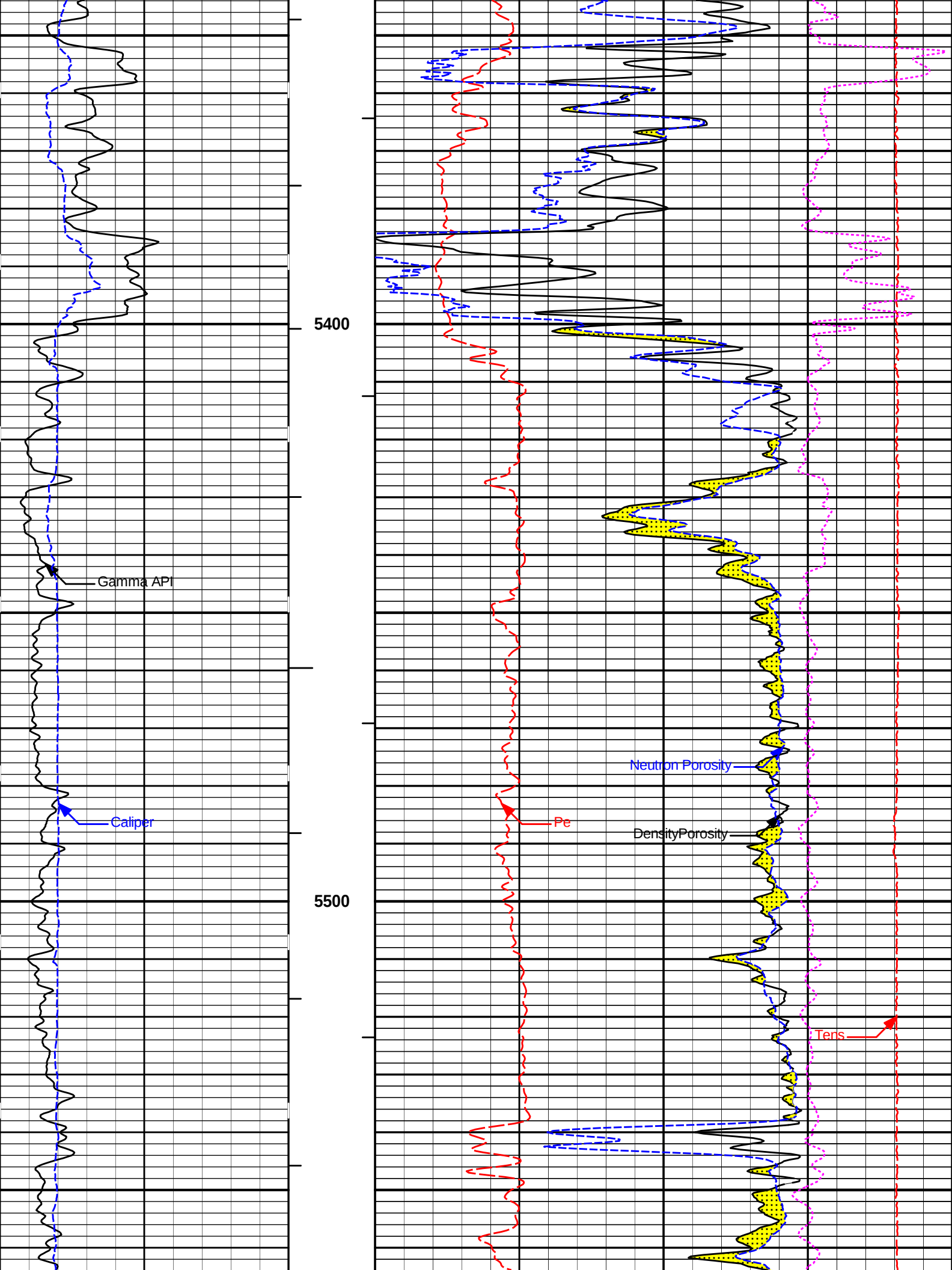


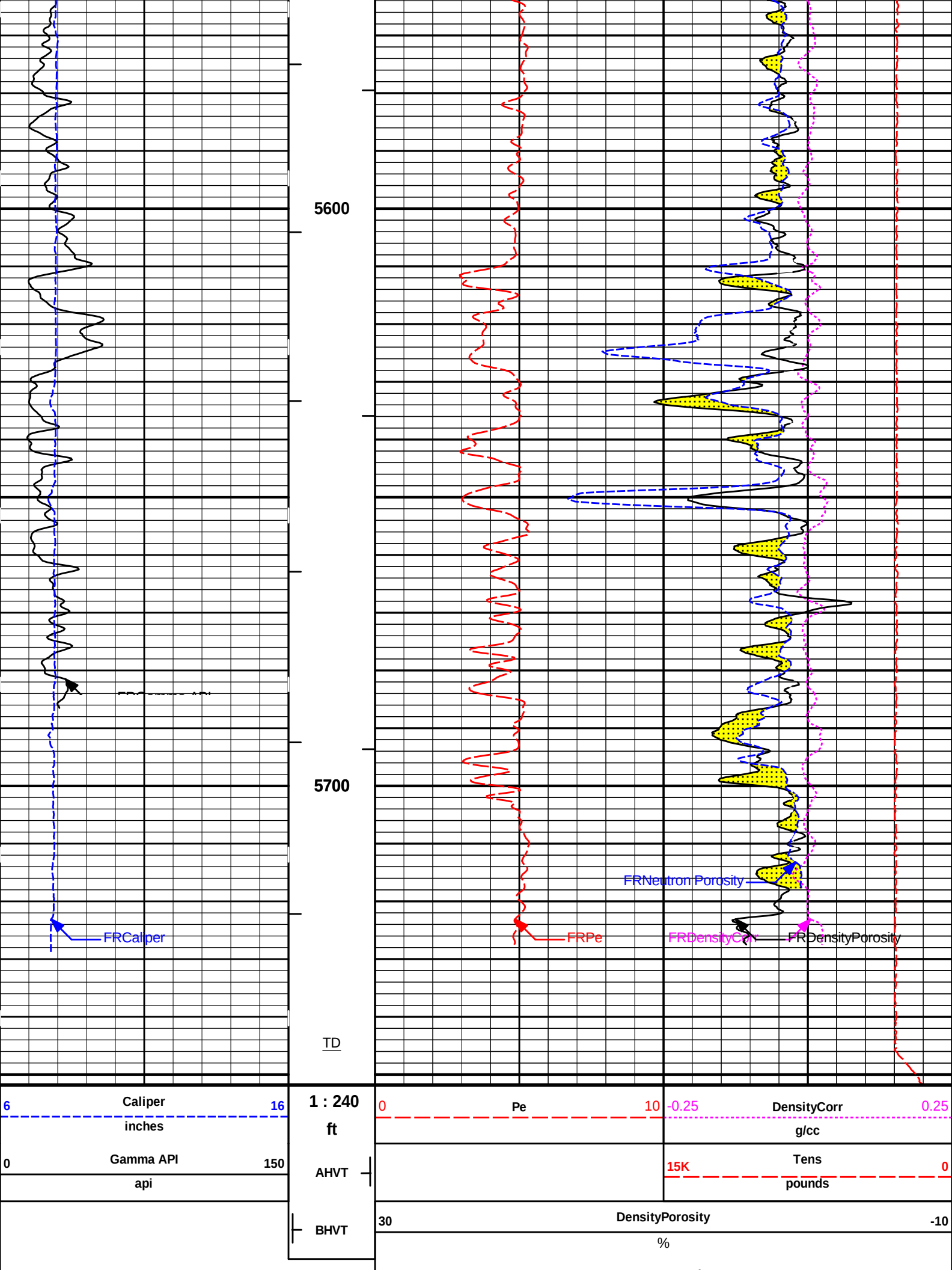


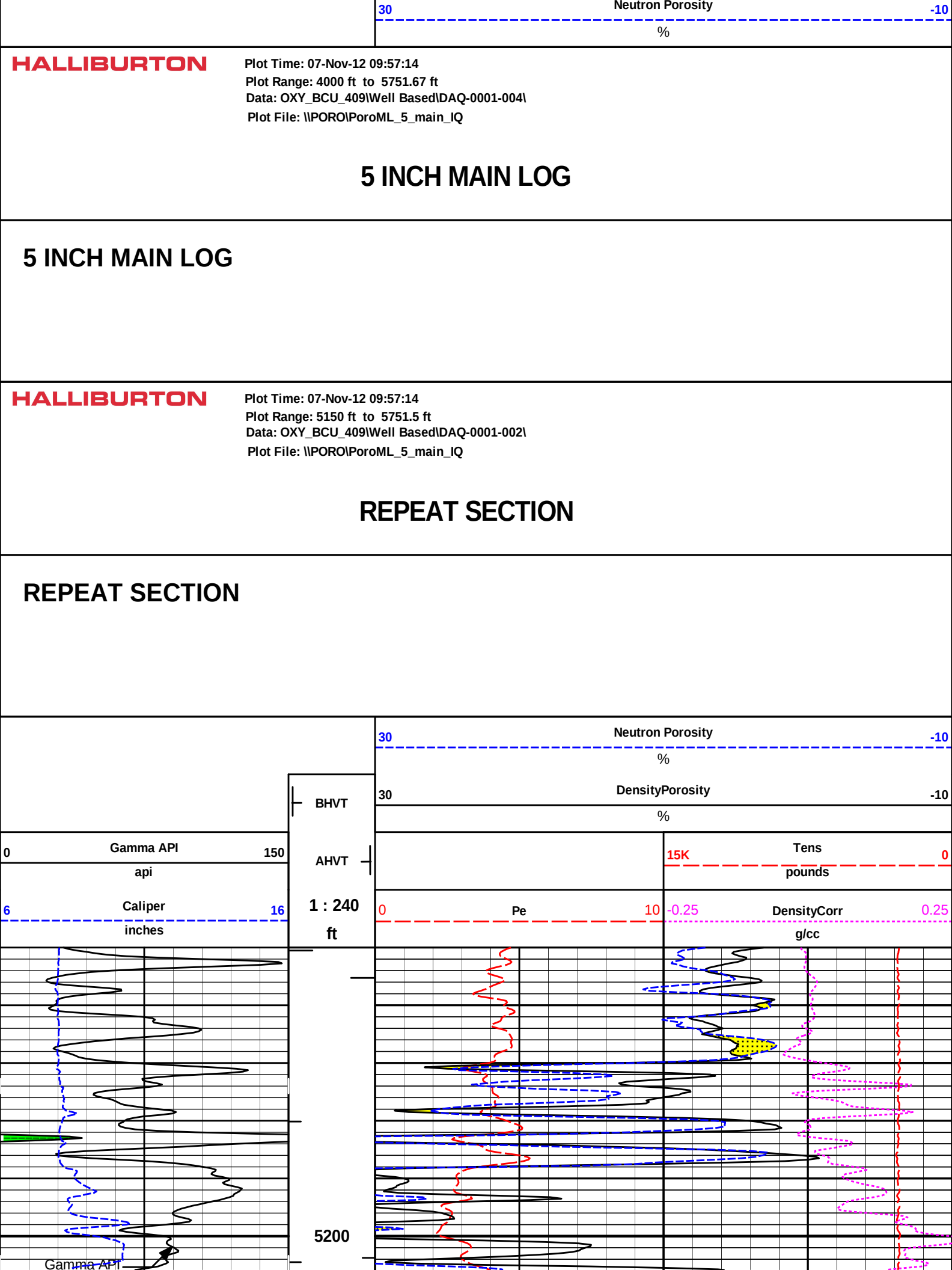


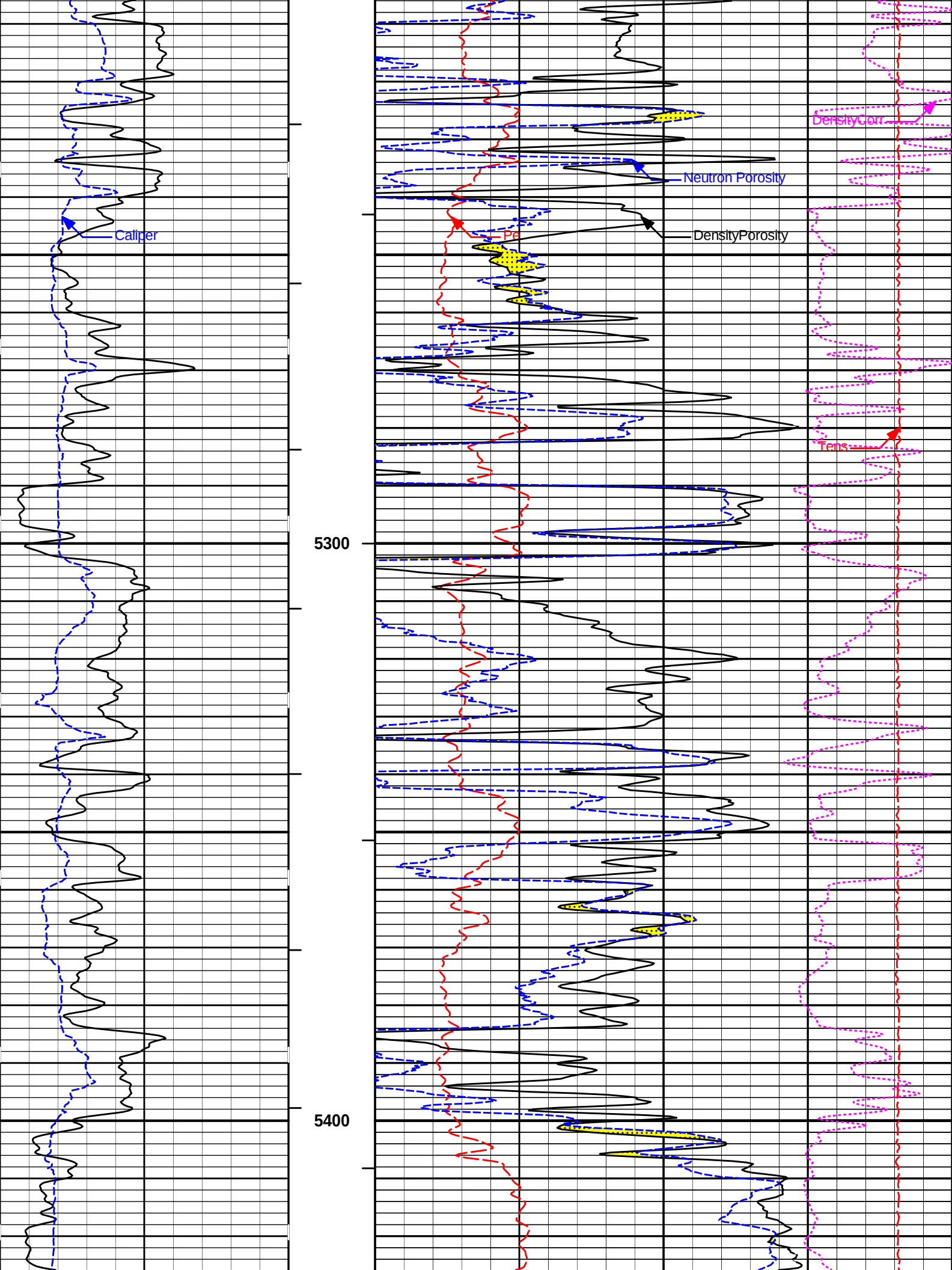


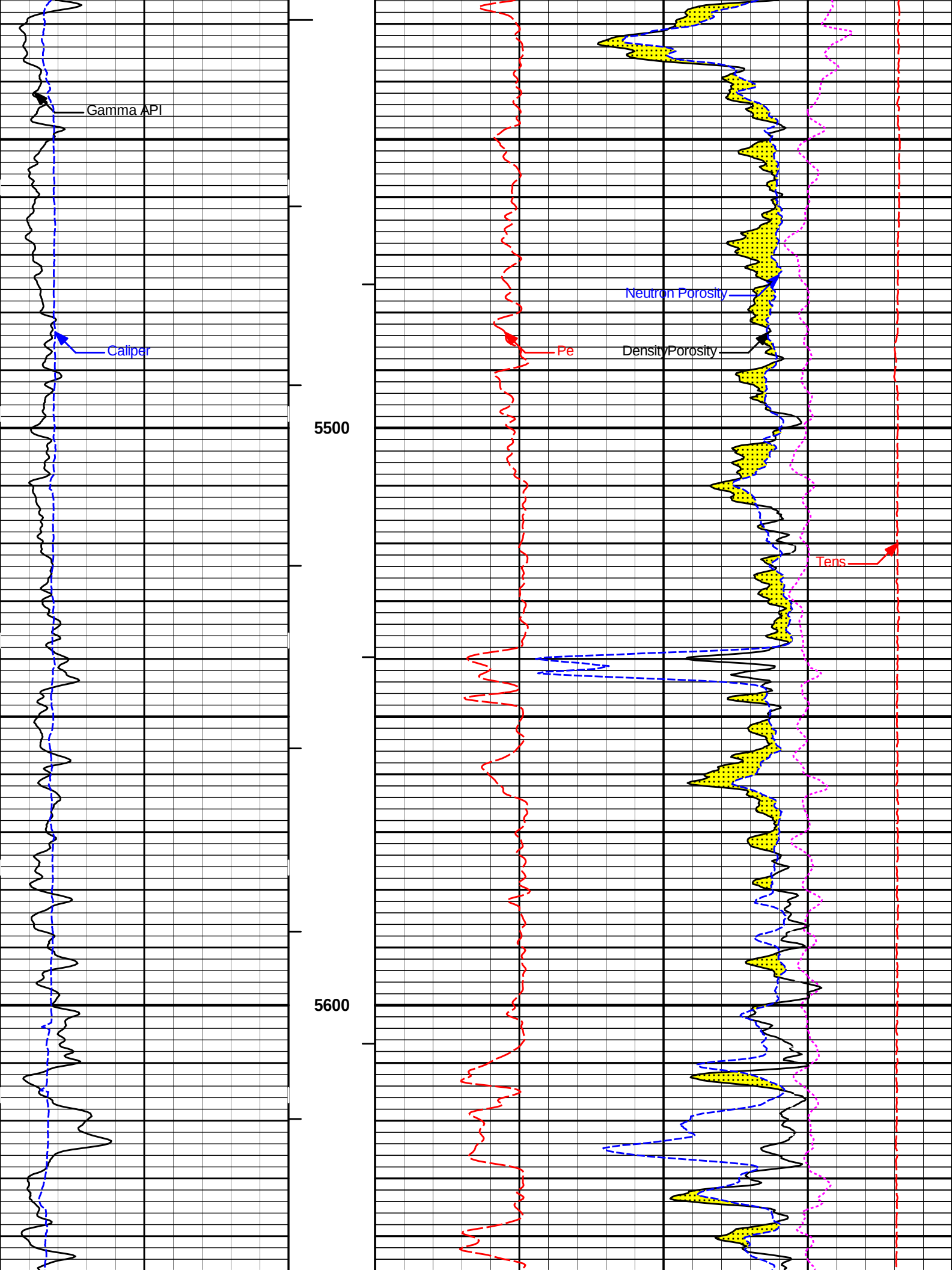


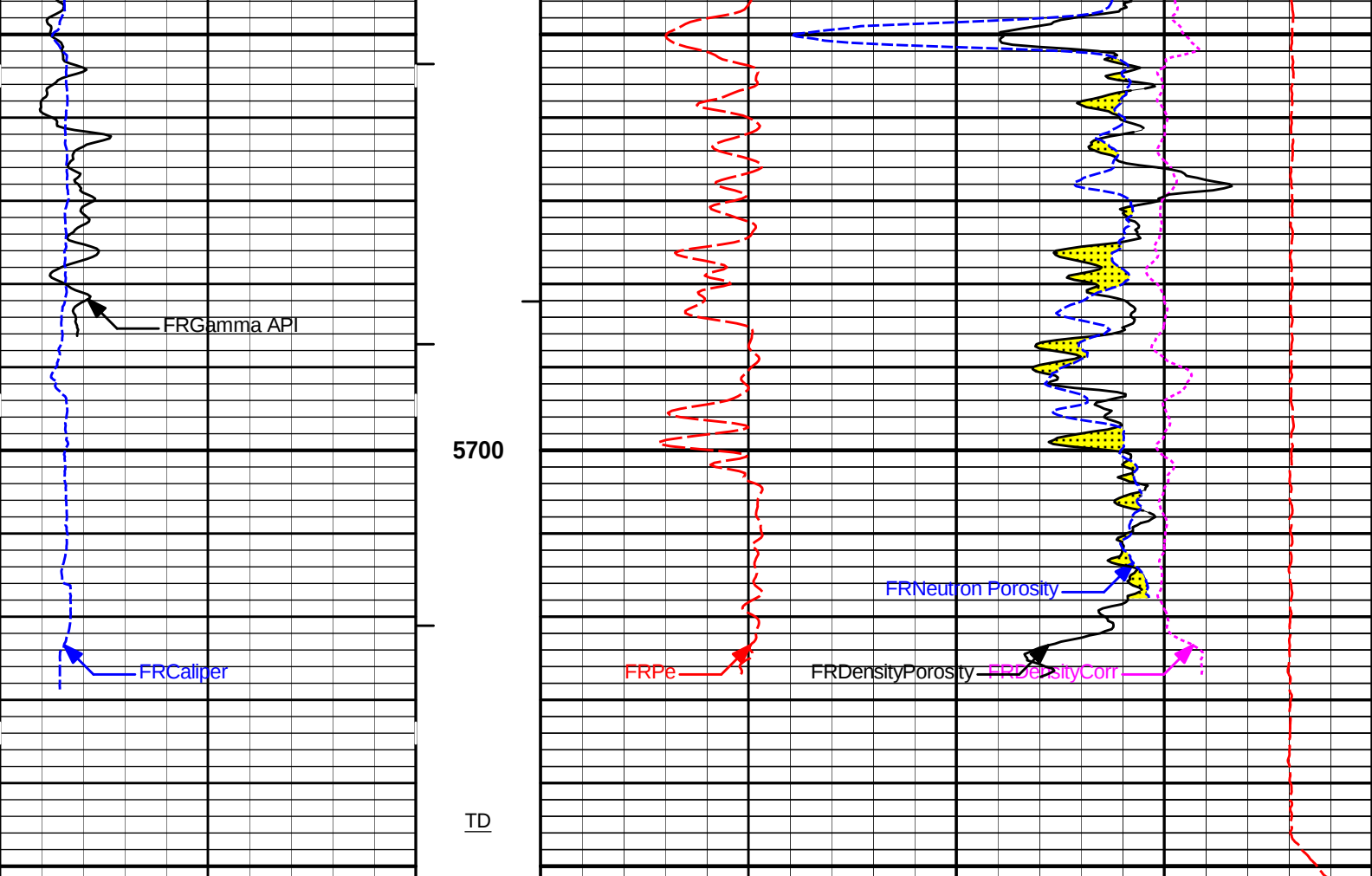












6	Caliper	16	1 : 240	0	Pe	10	-0.25	DensityCorr	0.25
	inches		ft					g/cc	
0	Gamma API	150	AHVT			15K		Tens	0
	api							pounds	
			BHVT	30	DensityPorosity				-10
					%				
				30	Neutron Porosity				-10
					%				

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Plot Time: 07-Nov-12 09:57:19
 Plot Range: 5150 ft to 5751.5 ft
 Data: OXY_BCU_409\Well Based\DAQ-0001-002\
 Plot File: \\PORO\PoromL_5_main_IQ

REPEAT SECTION

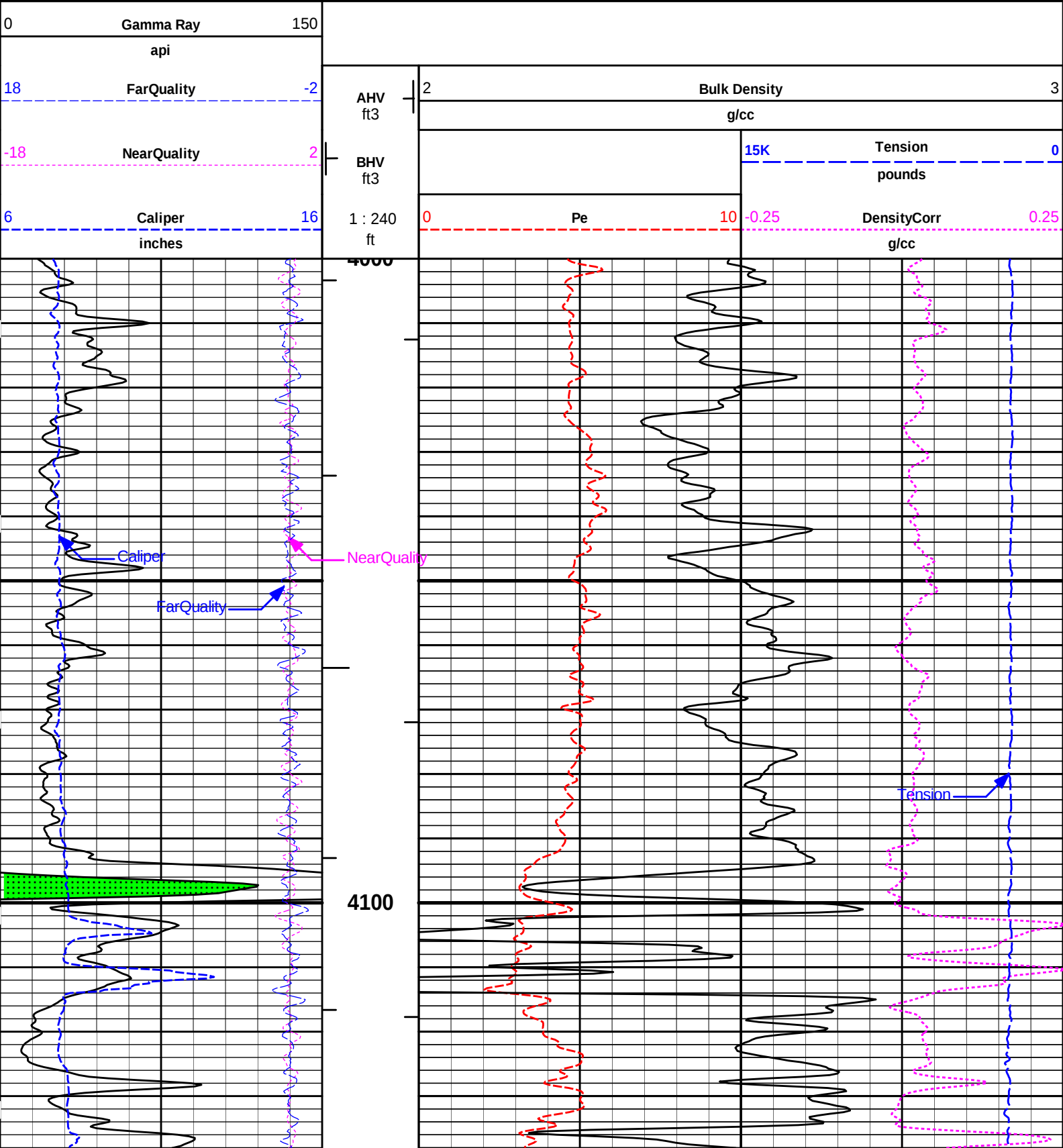
REPEAT SECTION

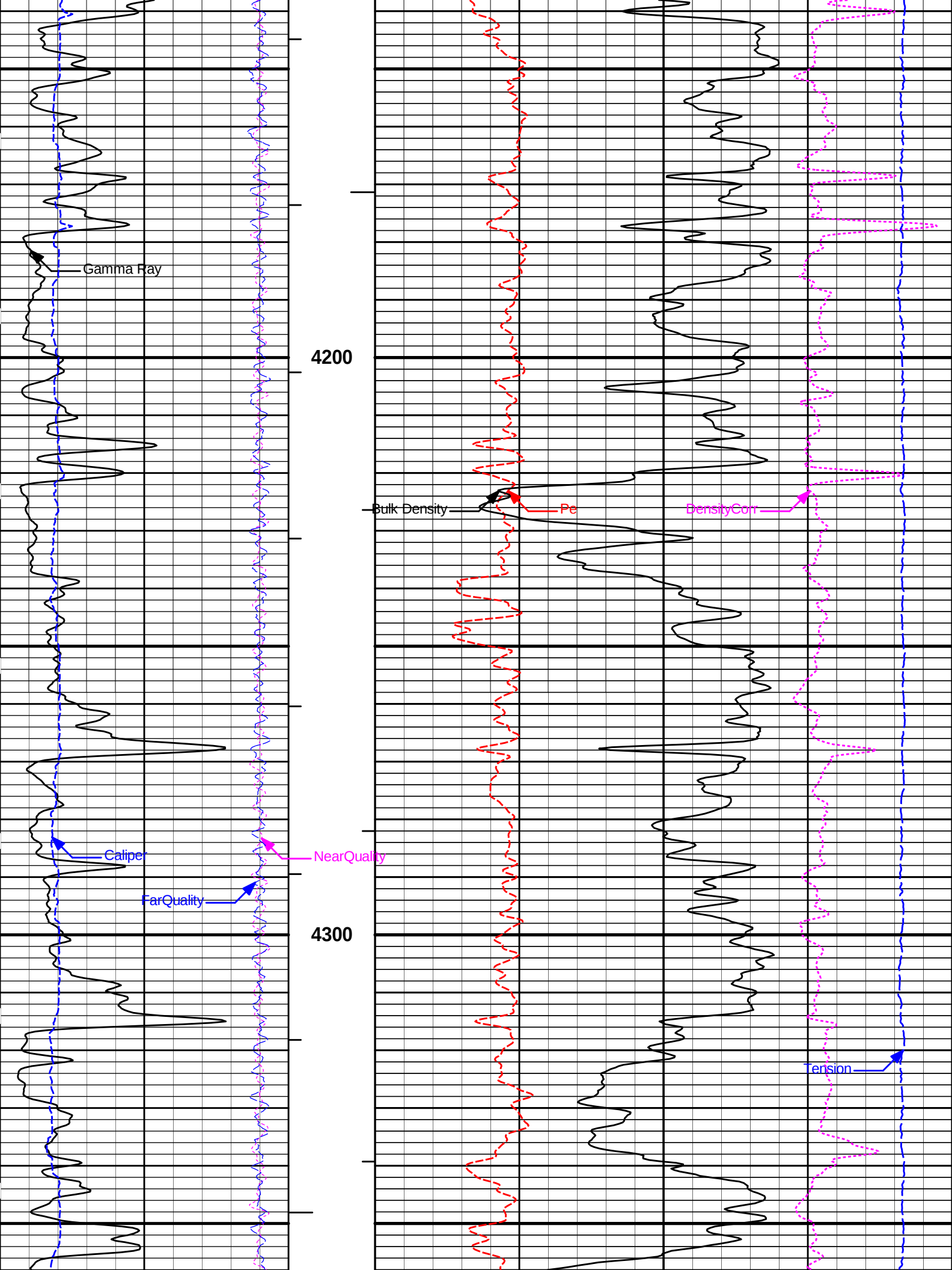
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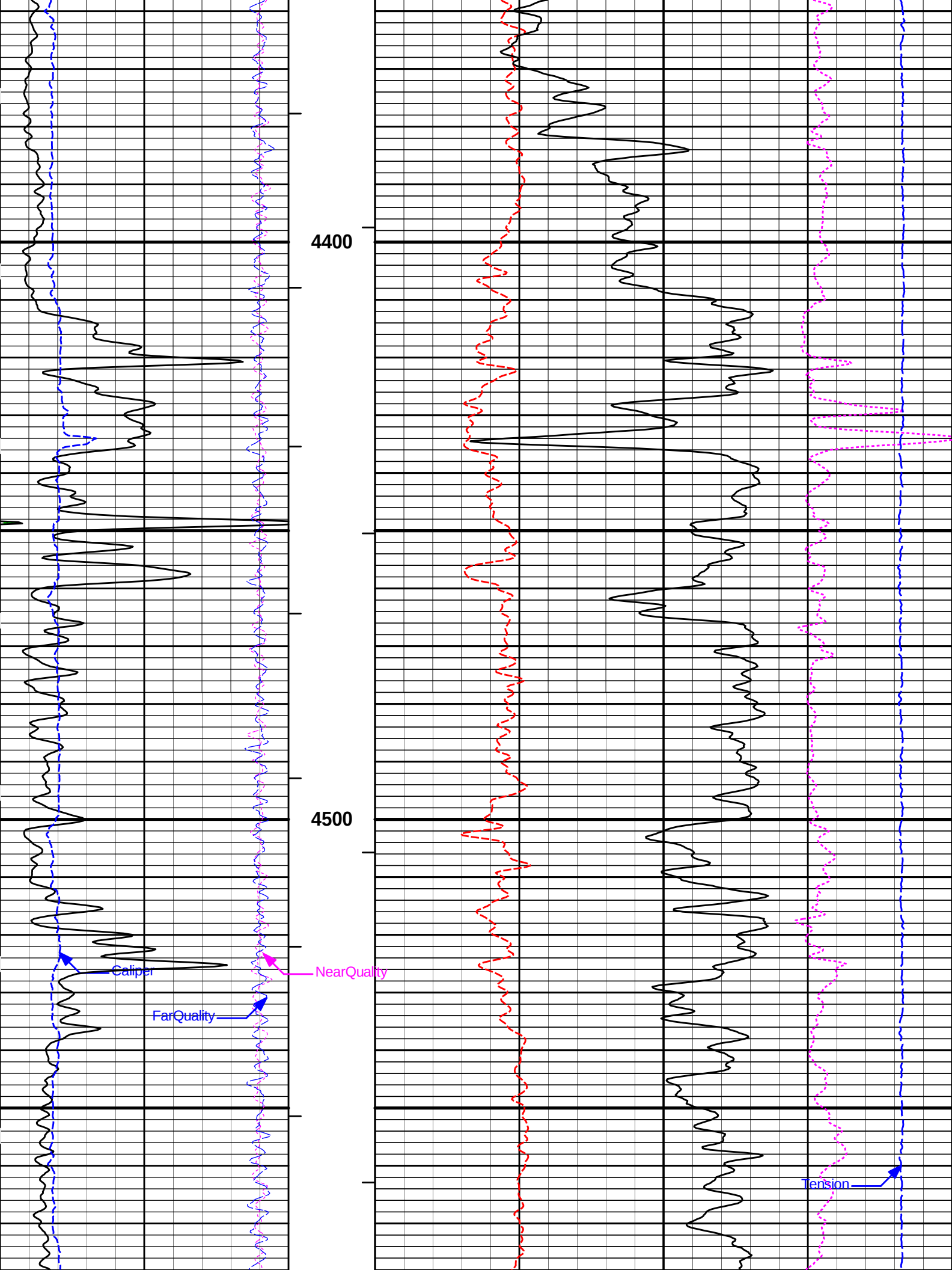
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 Plot Range: 4000 ft to 5751.67 ft
 Data: OXY_BCU_409\Well Based\DAQ-0001-004\
 Plot File: \\LOCAL-IOXY_BCU_409\0001 GTET-BSAT-FLEX-DSNT-SDLT-ACRT\PORO\BULKD_5_MAIN_IQ

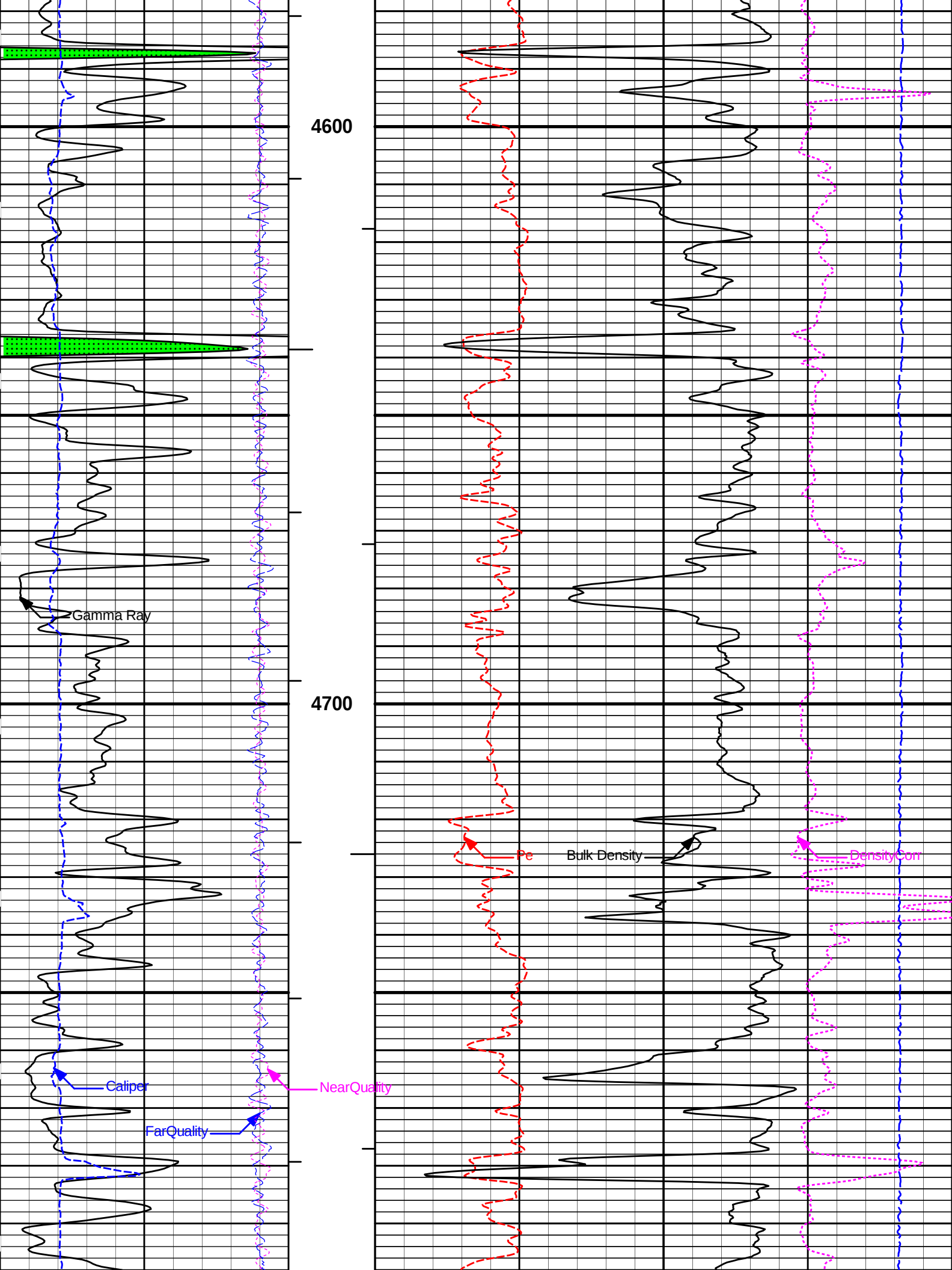
5 INCH MAIN LOG

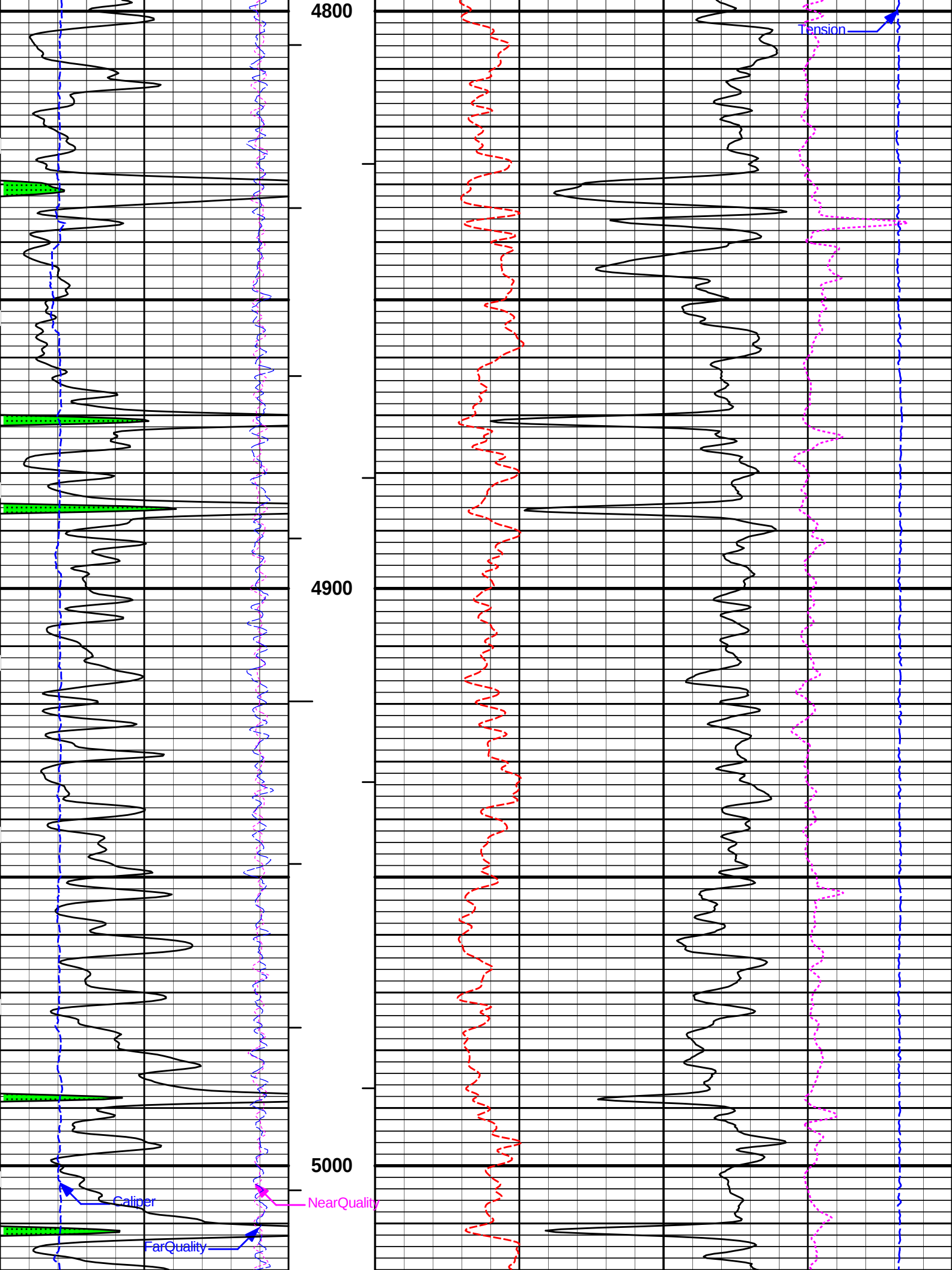
5 INCH MAIN LOG

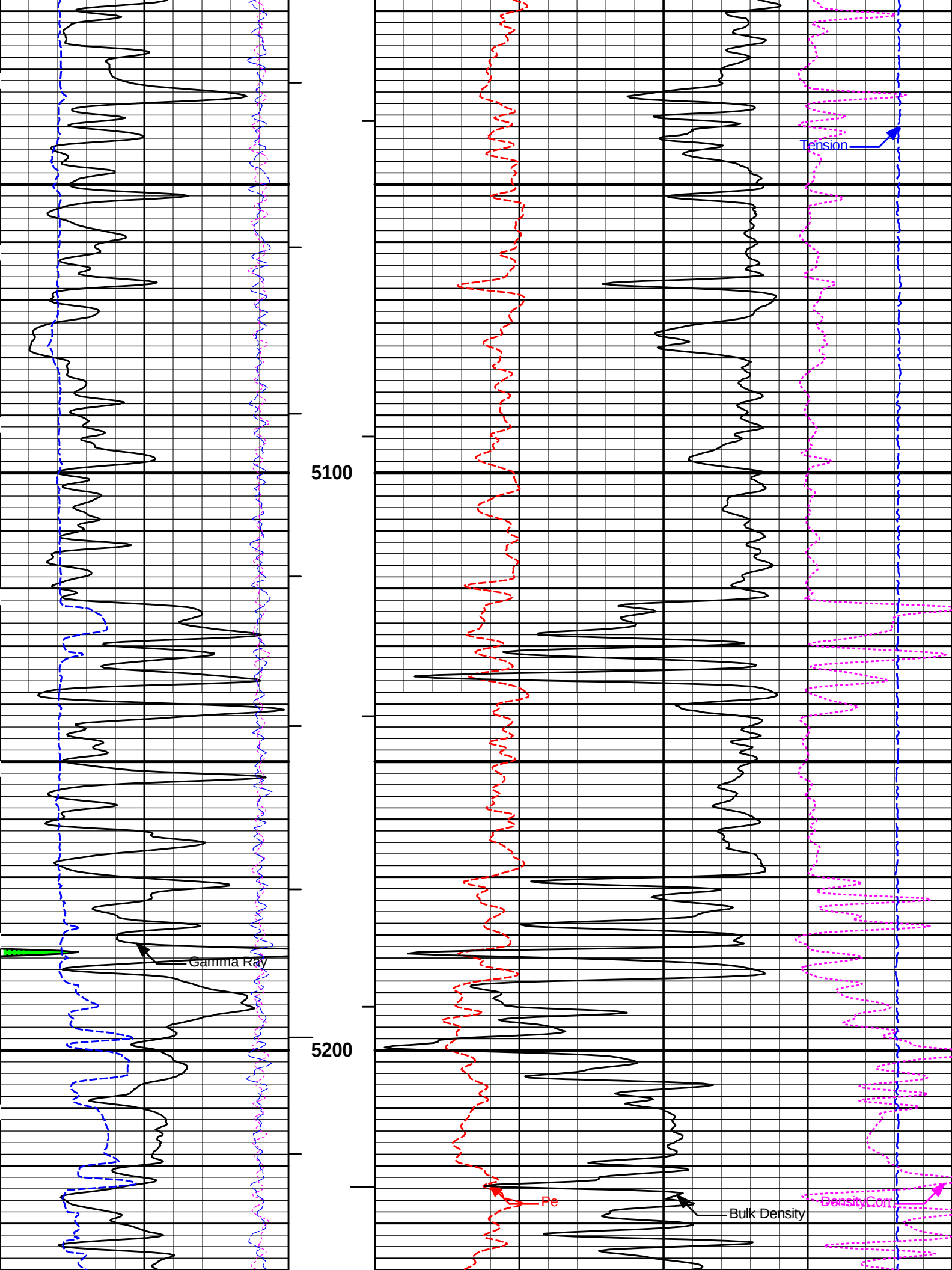


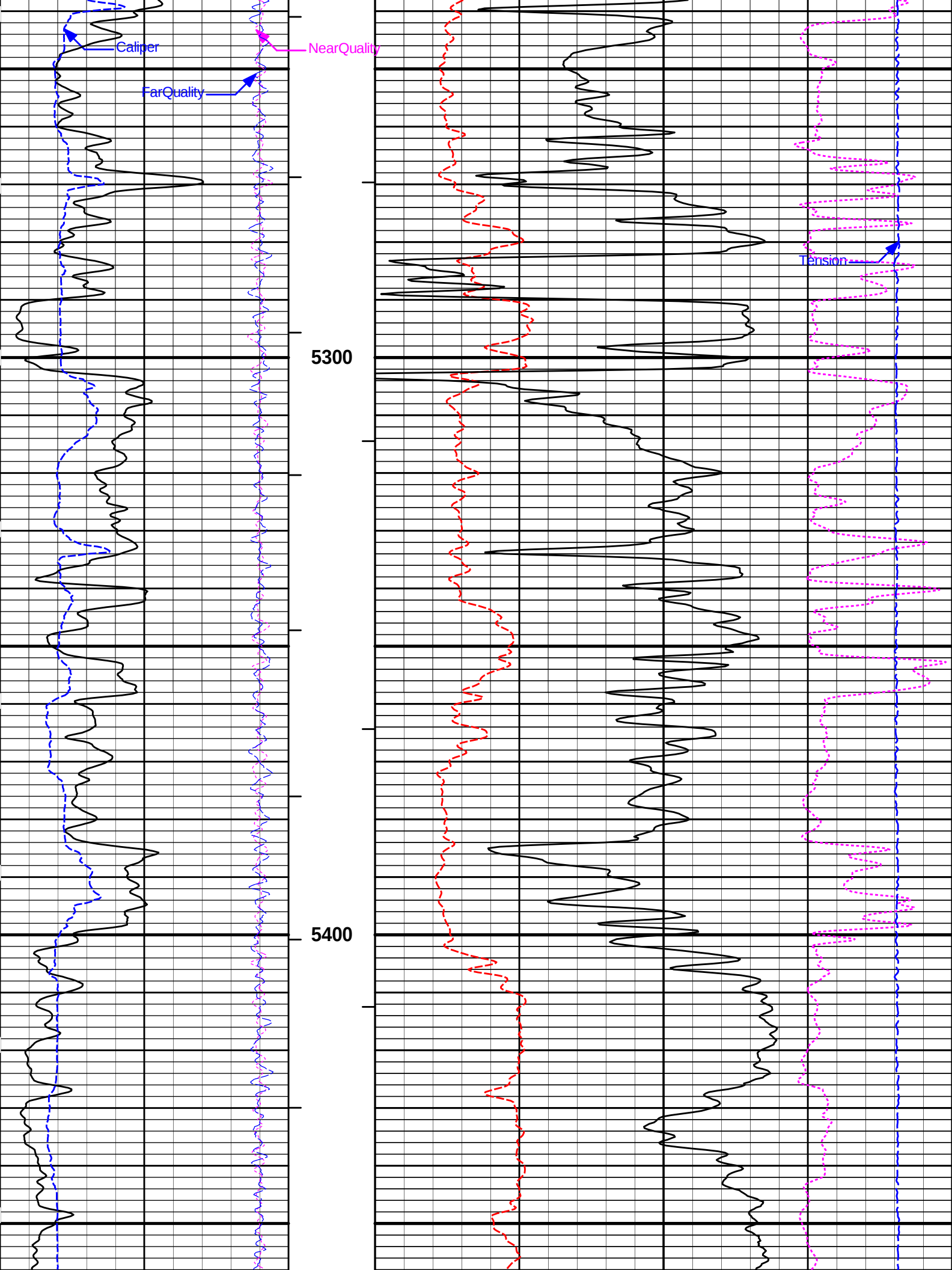


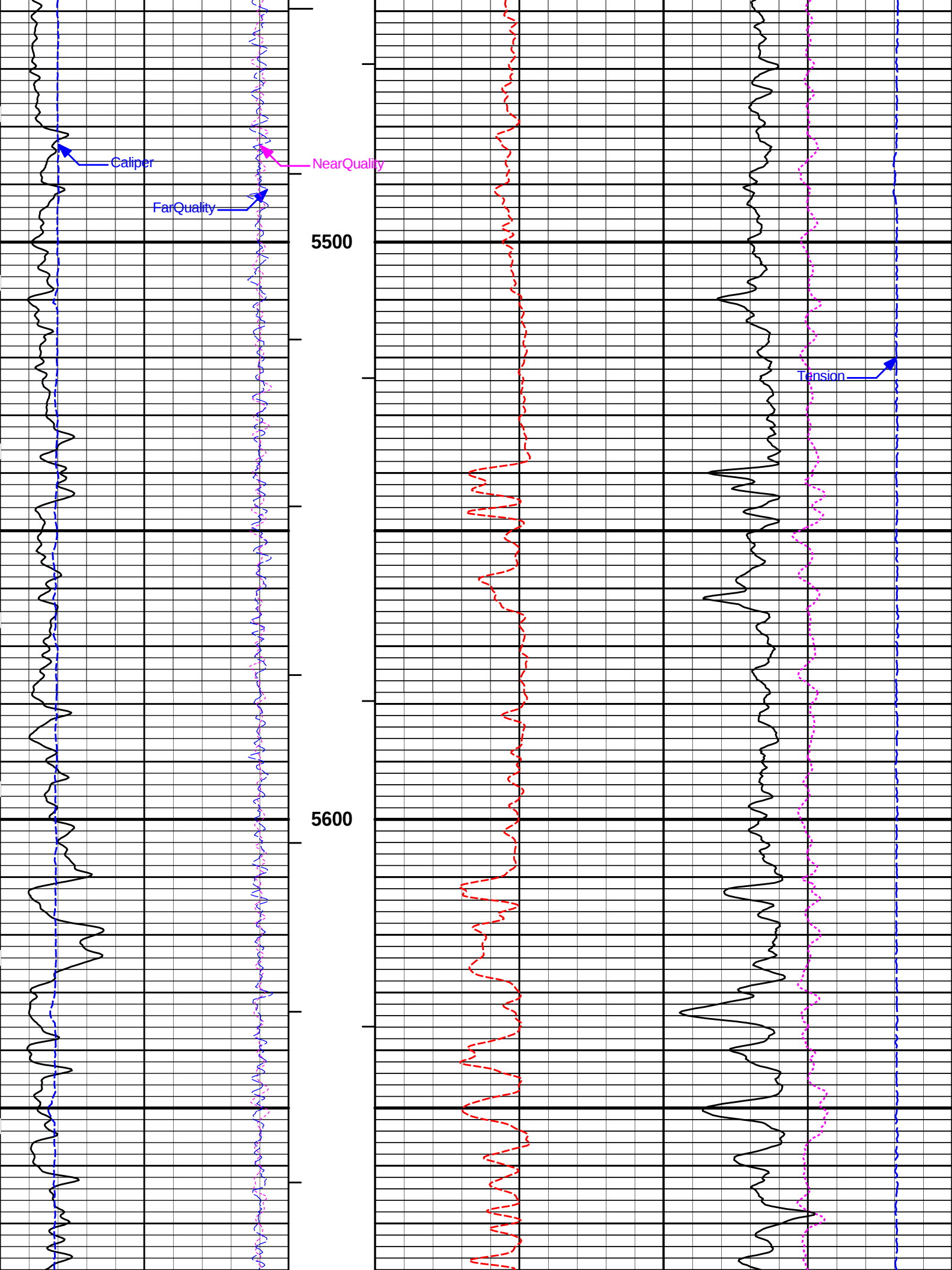


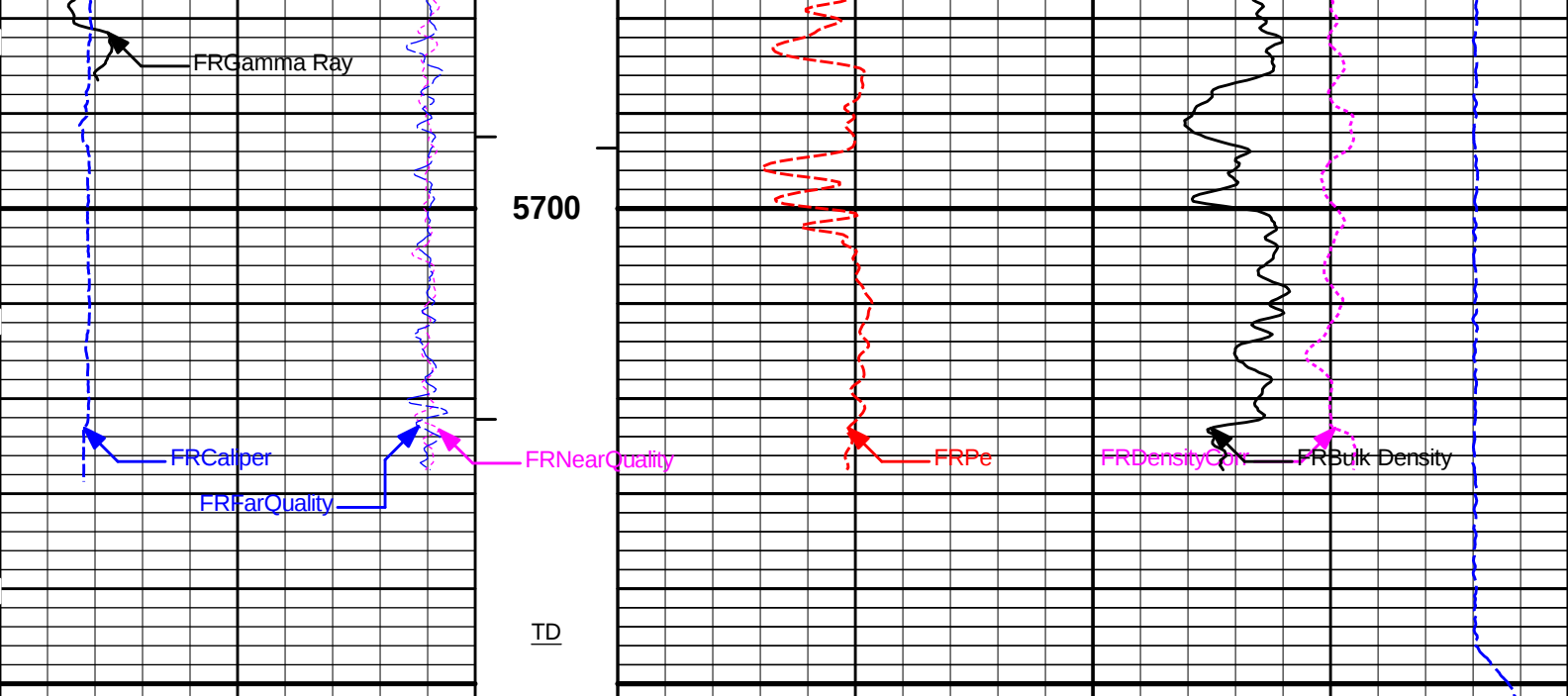












6	Caliper	16	1 : 240	0	Pe	10	-0.25	DensityCorr	0.25
	inches		ft					g/cc	
-18	NearQuality	2	BHV				15K	Tension	0
			ft3					pounds	
18	FarQuality	-2	AHV	2	Bulk Density				
			ft3		g/cc				
0	Gamma Ray	150							
	api								

HALLIBURTON

Plot Time: 07-Nov-12 09:57:23
Plot Range: 4000 ft to 5751.67 ft
Data: OXY_BCU_409\Well Based\DAQ-0001-004\
Plot File: \\LOCAL-IOXY_BCU_409\0001 GTET-BSAT-FLEX-DSNT-SDLT-ACRT\PORO\BULKD_5_MAIN_IQ

5 INCH MAIN LOG

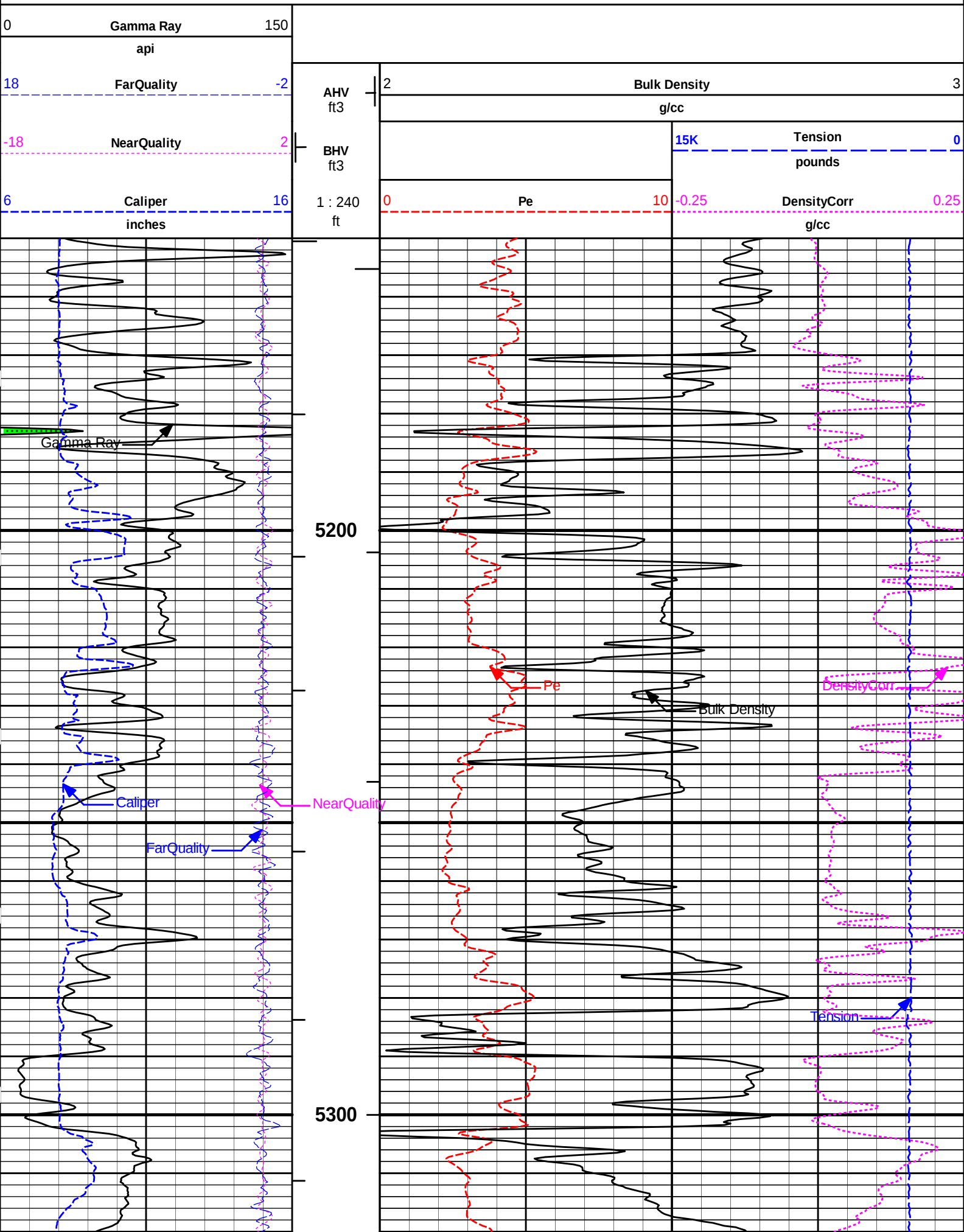
5 INCH MAIN LOG

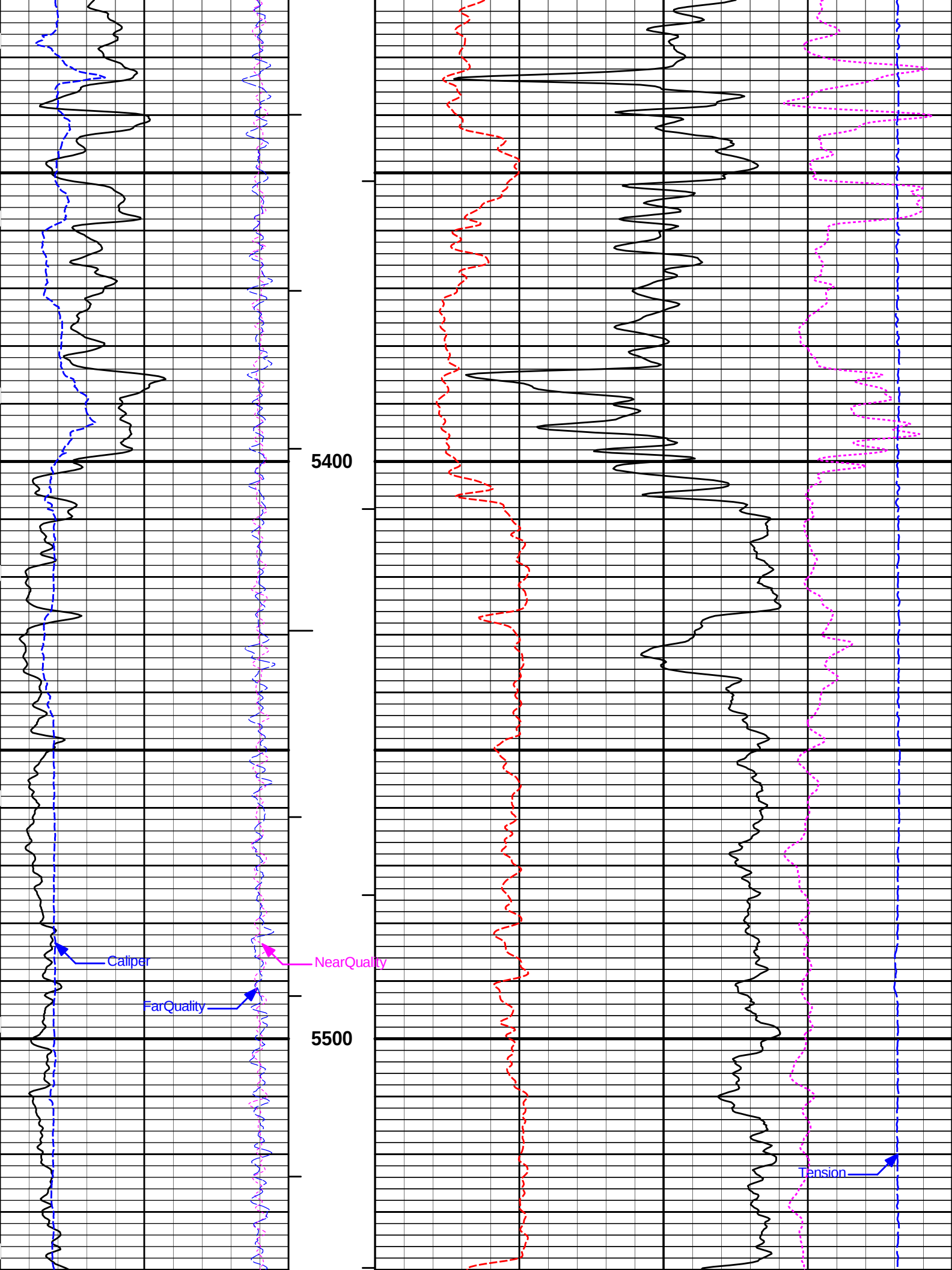
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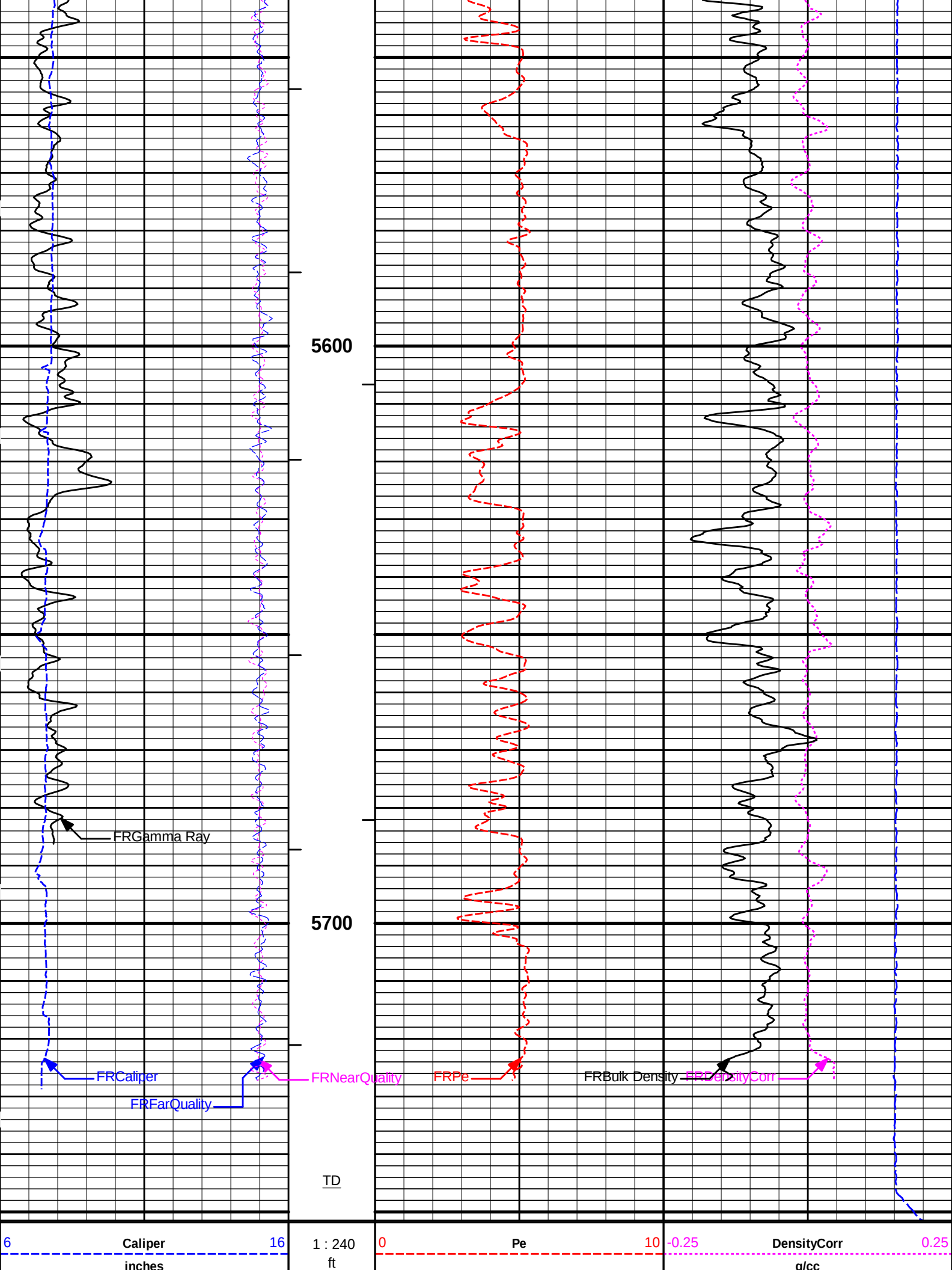
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Plot Range: 5150 ft to 5751.5 ft
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Plot File: \\LOCAL-IOXY_BCU_409\0001 GTET-BSAT-FLEX-DSNT-SDLT-ACRT\PORO\BULKD_5_MAIN_IQ

REPEAT SECTION

REPEAT SECTION







NearQuality		2	BH ft3		15K	Tension	0	
						pounds		
FarQuality		-2	AH ft3	2	Bulk Density			3
					g/cc			
Gamma Ray		150						
api								

HALLIBURTON

Plot Time: 07-Nov-12 09:57:25
Plot Range: 5150 ft to 5751.5 ft
Data: OXY_BCU_409\Well Based\DAQ-0001-002\
Plot File: \\-LOCAL-IOXY_BCU_409\0001 GTET-BSAT-FLEX-DSNT-SDLT-ACRT\POROIBULKD_5_MAIN_IQ

REPEAT SECTION

REPEAT SECTION

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CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:	GTET - 10957072	Reference Calibration Date:	28-Sep-12 11:47:26
Engineer:	WHITLOCK	Calibration Date:	19-Oct-12 09:36:06
Software Version:	WL INSITE R3.6.0 (Build 3)	Calibration Version:	1

Calibrator Source S/N: TB-79
Calibrator API Reference:222.00 api
Equivalent Calibrator API Reference:225.9 api

Measurement	Measured	Calibrated	Units
Background	28.2	28.3	api
Background + Calibrator	253.0	254.2	api
Calibrator	224.8	225.9	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:	GTET - 10957072	Reference Calibration Date:	19-Oct-12 09:36:06
Engineer:	WHITLOCK	Calibration Date:	02-Nov-12 10:31:10
Software Version:	WL INSITE R3.6.0 (Build 3)	Calibration Version:	1

Calibrator Source S/N: TB-79
Calibrator API Reference:222.00 api
Equivalent Calibrator API Reference:225.9 api

Field Verification	Shop	Field	Units
Background	28.3	32.4	api
Background + Calibrator	254.2	257.2	api
Calibrator	225.9	224.9	api

Shop	Field	Difference	Tolerance
225.9	224.9	1.0	+/- 9.00

DUAL SPACED NEUTRON SHOP CALIBRATION

Tool Name: DSNT - 10958654

Reference Calibration Date: 01-Oct-12 10:43:35

Engineer: BOMAR

Calibration Date: 31-Oct-12 11:19:07

Software Version: WL INSITE R3.6.0 (Build 3)

Calibration Version: 1

Logging Source S/N: DSN-373

Tank Serial Number: FTSM HORIZONTAL TANK

Reference value assigned to Tank: 56.100

Snow Block S/N: FTSM

Calibration Tank Water Temperature: 65 degF

Min. Tool Housing Outside Diameter: 3.625 in

CALIBRATION CONSTANTS

Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	1.003	1.004	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):	0.2356	0.2358	0.0002	+/- 0.0020
Calibrated Ratio:	10.55	10.56	0.005	+/- 0.050

VERIFIER

Measurement	Value	Control Limit
Snow-Block Porosity (decp):	0.0823	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 - 10958654

Reference Calibration Date: 31-Oct-12 11:19:07

Engineer: WHITLOCK

Calibration Date: 02-Nov-12 10:24:48

Software Version: WL INSITE R3.6.0 (Build 3)

Calibration Version: 1

Logging Source S/N: DSN-373

Snow Block S/N: FTSM

NEUTRON FIELD-CHECK SUMMARY

	Shop	Field	Difference	Control Limit On Change
Snow-Block Porosity (decp):	0.0823	0.0815	-0.0007	+/- 0.0150

PASS/FAIL SUMMARY

Block Change Check:	Passed
Snow Block Stat Check:	Passed
Temperature Check:	Passed

DENSITY CALIPER SHOP CALIBRATION

Tool Name: SDLT - 10948154

Reference Calibration Date: 28-Sep-12 12:58:00

Engineer: WHITLOCK

Calibration Date: 19-Oct-12 09:40:11

Software Version: WL INSITE R3.6.0 (Build 3)

Calibration Version: 1

CALIBRATION COEFFICIENTS			
Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-3312.31	-3265.50	-7000.00 - -1000.00
Pad Gain	0.0003805	0.0003806	0.000200 - 0.000600
Arm Offset	-1904.24	-1304.85	-5000.00 - 3000.00
Arm Gain	0.0004922	0.0004547	0.000300 - 0.000700
Arm Power	-0.000003642	-0.000001216	-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)	1.98	2.00	0.02	+/- 0.20
Medium Ring (in)	3.73	3.75	0.02	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.33	6.50	0.17	+/- 0.20
Medium Ring (in)	8.18	8.25	0.07	+/- 0.20
Large Ring (in)	14.93	15.00	0.07	+/- 0.20

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

SPECTRAL DENSITY SHOP CALIBRATION			
Tool Name:	SDLT Pad - 10809130	Reference Calibration Date:	25-Oct-12 12:05:23
Engineer:	WHITLOCK	Calibration Date:	25-Oct-12 12:36:53
Software Version:	WL INSITE R3.6.0 (Build 3)	Calibration Version:	1

Logging Source S/N: 20784B

Aluminum Block S/N: FTSM AL BLOCK

Density: 2.581g/cc

Pe: 3.170

Magnesium Block S/N: FTSM MG BLOCK

Density: 1.687g/cc

Pe: 2.594

DENSITY CALIBRATION SUMMARY			
Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	1.0572	1.0843	0.90 - 1.10
Near Dens Gain	1.0304	1.0557	0.90 - 1.10
Near Peak Gain	1.0469	1.0799	0.90 - 1.10
Near Lith Gain	1.0532	1.0771	0.90 - 1.10
Far Bar Gain	1.0160	1.0192	0.90 - 1.10
Far Dens Gain	1.0020	1.0062	0.90 - 1.10
Far Peak Gain	1.0035	1.0053	0.90 - 1.10
Far Lith Gain	0.9848	0.9870	0.90 - 1.10
Near Bar Offset	-0.3261	-0.5659	NONE
Near Dens Offset	-0.0735	-0.2880	NONE
Near Peak Offset	-0.2305	-0.4954	NONE
Near Lith Offset	-0.3075	-0.4929	NONE
Far Bar Offset	-0.0030	-0.0328	NONE
Far Dens Offset	0.1109	0.0724	NONE
Far Peak Offset	0.2226	0.2716	NONE
Far Lith Offset	0.1109	0.0724	NONE

Far Peak Offset	0.0886	0.0719	NONE
Far Lith Offset	0.2153	0.1984	NONE
Near Bar Background	798.70	802.87	700 - 1450
Near Dens Background	267.07	265.25	230 - 480
Near Peak Background	118.79	118.45	100 - 210
Near Lith Background	141.02	142.19	125 - 260
Far Bar Background	505.02	504.67	450 - 900
Far Dens Background	194.21	193.65	175 - 345
Far Peak Background	76.04	76.55	70 - 140
Far Lith Background	79.03	80.60	75 - 145

CALIBRATION BLOCK SUMMARY				
Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.675	1.687	0.013	+/- 0.015
Pe	2.603	2.559	-0.044	+/- 0.150
ALUMINUM				
Density (g/cc)	2.571	2.581	0.011	+/- 0.01500
Pe	3.168	3.132	-0.036	+/- 0.150

TOOL SUMMARY				
Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	0.0008	+/- 0.0110	0.0012	+/- 0.0140
Magnesium Block	0.0002	+/- 0.0110	-0.0012	+/- 0.0140
Aluminum Block	-0.0000	+/- 0.0110	-0.0005	+/- 0.0140
Resolution	8.80	6.00 - 11.50	9.39	6.00 - 11.50
Internal Verifier(B+D+P+L)	1329	1200 - 2700	855	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:	25-Oct-12 12:36:53
Engineer:	WHITLOCK	Calibration Date:	02-Nov-12 10:30:56
Software Version:	WL INSITE R3.6.0 (Build 3)	Calibration Version:	1

Pad Temperature: 65.5 degF

DENSITY FIELD CALIBRATION SUMMARY				
Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1328.762	1323.759	-5.003	14.747
Far (B+D+P+L) cps	855.466	855.481	0.015	16.030

Near Resolution	8.80	8.90	0.100	0.50
Far Resolution	9.39	9.42	0.030	1.00

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

MICRO LOG SHOP CALIBRATION			
Tool Name:	Microlog Pad - 10948154	Reference Calibration Date:	28-Sep-12 12:02:01
Engineer:	WHITLOCK	Calibration Date:	25-Oct-12 11:35:30
Software Version:	WL INSITE R3.6.0 (Build 3)	Calibration Version:	1
Host Tool Name:	DSNT - 10958654		

CALIBRATION COEFFICIENT SUMMARY					
Measurement	Micro Log Normal		Micro Log Lateral		Units
	Measured	Calibrated	Measured	Calibrated	
Tool Zero	-0.20	-0.10	-0.01	-0.02	ohmm
Calibration Point #1	-0.10	0.00	0.01	0.00	ohmm
Calibration Point #2	18.47	20.00	20.00	20.00	ohmm
Internal Reference	18.36	19.89	20.01	20.01	ohmm

Measurement	Micro Log Normal Tool Value	Micro Log Lateral Tool Value	Units
Tool Zero	3.47	-1.67	V
Calibration Point #1	30.49	4.02	V
Calibration Point #2	5285.60	6862.74	V
Internal Reference	5255.77	6865.49	V

MICRO LOG FIELD CHECK			
Tool Name:	Microlog Pad - 10948154	Reference Calibration Date:	25-Oct-12 11:35:30
Engineer:	WHITLOCK	Calibration Date:	02-Nov-12 10:25:29
Software Version:	WL INSITE R3.6.0 (Build 3)	Calibration Version:	1

Measurement	Micro Log Normal		Micro Log Lateral		Units
	Shop	Field	Shop	Field	
Tool Zero	-0.10	-0.11	-0.02	-0.02	ohmm
Internal Reference	19.89	19.82	20.01	19.94	ohmm
Summary					
Signal	Shop	Field	Difference		Tolerance
Microlog Normal	19.89	19.82	0.07		+/- 0.80
Microlog Lateral	20.01	19.94	0.07		+/- 0.80

SDLT CALIPER FIELD CALIBRATION			
Tool Name:	SDLT - 10948154	Reference Calibration Date:	19-Oct-12 09:40:11
Engineer:	WHITLOCK	Calibration Date:	19-Oct-12 09:47:40
Software Version:	WL INSITE R3.6.0 (Build 3)	Calibration Version:	1

MEASURED CALIPER VALUES				
Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.75	-0.00	+/- 0.10
Ring Diameter	8.25	8.27	0.02	+/- 0.15

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

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION			
Tool Name:	ACRt Sonde - 10937724	Reference Calibration Date:	04-Oct-12 09:47:21
Engineer:	HOFKAMP	Calibration Date:	04-Oct-12 09:55:19
Software Version:	WL INSITE R3.6.0 (Build 3)	Calibration Version:	1
Host Tool Name:	ACRt Instrument - 10940590		

TYPICAL GAIN RANGE									
Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.08	1.05	0.95	1.06	1.05	0.95	1.04	1.05
A2 (50")	0.95	1.06	1.05	0.95	1.04	1.05	0.95	1.03	1.05
A3 (29")	0.95	1.04	1.05	0.95	1.02	1.05	0.95	1.01	1.05
A4 (17")	0.95	1.05	1.05	0.95	1.02	1.05	0.95	1.02	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.02	1.05	0.95	1.01	1.05
A6 (6")	N/A	N/A	N/A	0.95	1.01	1.05	0.95	1.00	1.05

TYPICAL SONDE OFFSET RANGE									
Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	-5	3.09	2	-6	-3.79	-2	-8	-6.71	-2
A2 (50")	-7	-0.48	0	-7	-4.10	0	-7	-5.27	0
A3 (29")	-27	-11.25	-9	-9	-4.09	-3	-7	-4.50	-1
A4 (17")	-180	-103.98	-60	-45	-31.96	-15	-39	-25.54	-13
A5 (10")	N/A	N/A	N/A	-150	-93.76	-50	-80	-45.68	-10
A6 (6")	N/A	N/A	N/A	175	287.27	525	90	152.74	270

TRANSMITTER CURRENT GAIN			
Signal	Lower	R	Upper
12K	0.6	0.83	1.3
36K	1.0	1.16	2.0
72K	1.0	1.30	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	FAIL
SONDE OFFSET RANGE CHK	FAIL
Tx CURRENT GAIN	PASS
Rmud VERIFICATION	PASS
TOOL OUT OF TOLERANCE	

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-10957072						
Gamma Ray Calibrator	225.9	224.9	-----	1.0	+/- 9.00	api
DSNT-10958654						
Snow-Block Porosity	0.0823	0.0815	-----	0.0008	+/- 0.0150	decp
SDLT-10948154						

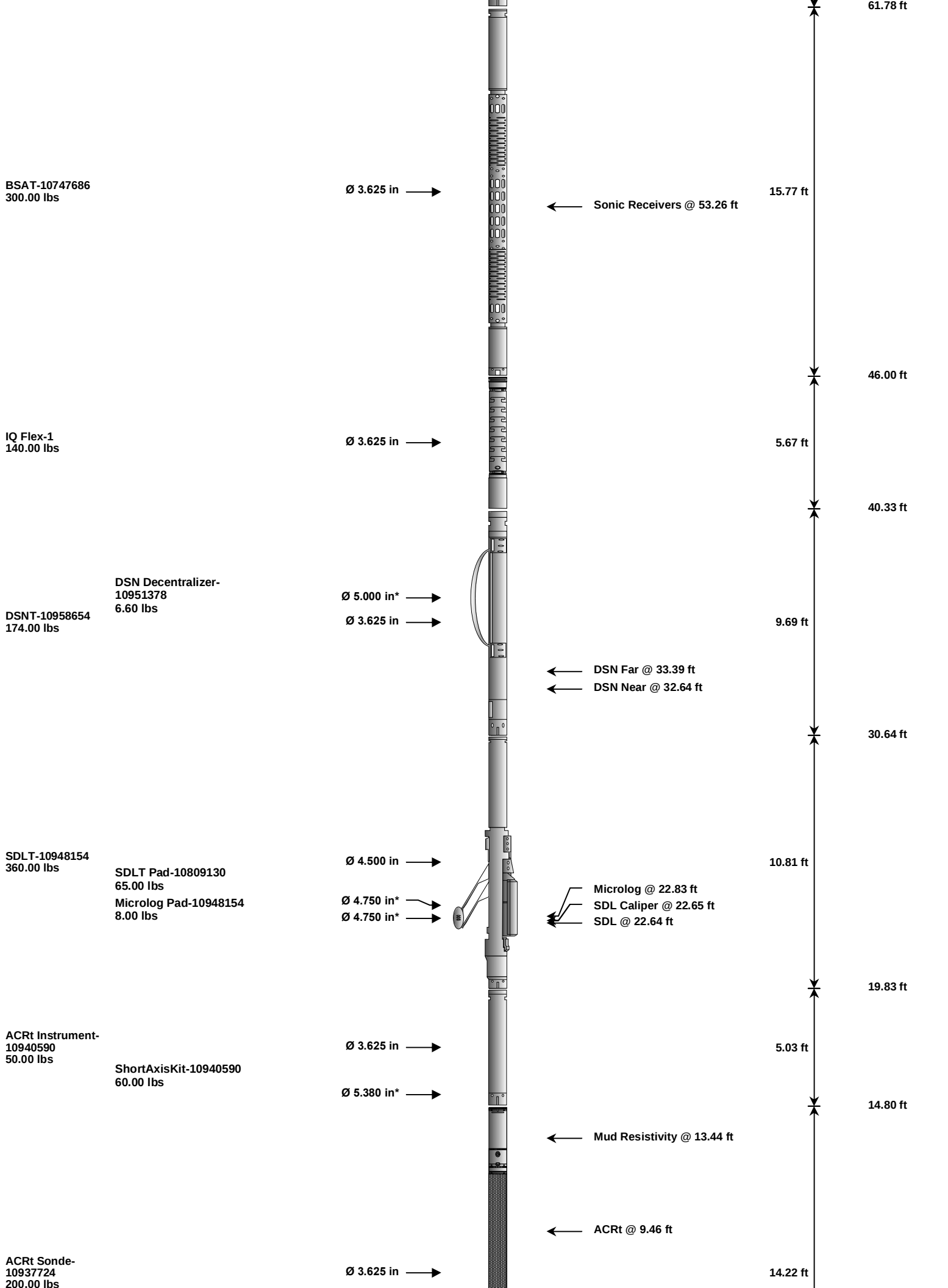
Pad Extension	3.75	3.75	-----	0.00	+/-0.10	in
Ring Diameter	8.25	8.27	-----	-0.02	+/-0.15	in
SDLT Pad-10809130						
Near(B+D+P+L)	1328.762	1323.759	-----	5.003	+/-14.747	cps
Far(B+D+P+L)	855.466	855.481	-----	-0.015	+/-16.030	cps
Microlog Pad-10948154						
MicroLog Normal	19.89	19.82	-----	0.07	+/-0.80	ohmm
MicroLog Lateral	20.01	19.94	-----	0.07	+/-0.80	ohmm
ACRt Sonde-10937724						
Mud Cell	1.00	-----	-----	0.00	-----	ohm-m
Data: OXY BCU 409\0001 GTET-BSAT-FLEX-DSNT-SDLT-ACRT\004 MAIN						
Date: 07-Nov-12 06:39:16						
HALLIBURTON						
PARAMETERS REPORT						
Depth (ft)	Tool Name	Mnemonic	Description	Value	Units	
TOP-----						
	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	9.300	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	5.500	in	
	SHARED	ST	Surface Temperature	45.0	degF	
	SHARED	TD	Total Well Depth	5758.00	ft	
	SHARED	BHT	Bottom Hole Temperature	150.0	degF	
	SHARED	SVTM	Navigation and Survey Master Tool	NONE		
	SHARED	AZTM	High Res Z Accelerometer Master Tool	GTET		
	SHARED	TEMM	Temperature Master Tool	NONE		
	SHARED	BHSM	Borehole Size 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		
	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.	Centered		
	BSAT	MBOK	Compute BCAS Results?	Yes		
	BSAT	FMOC	Formation Microlog Filtered Value	5000	ohm-cm	

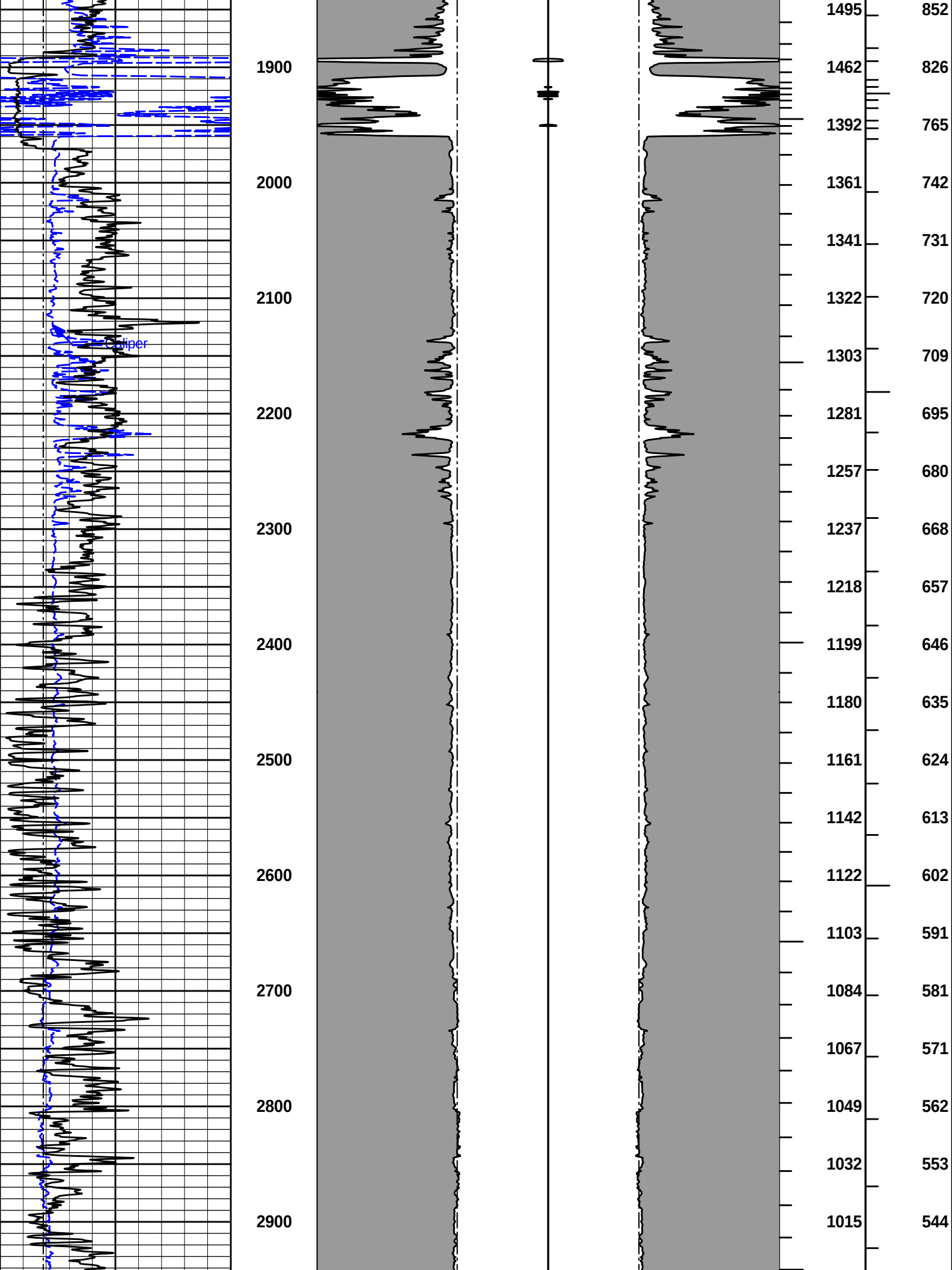
BSAT	FLLO	Frequency Filter Low Pass Value?	5000	Hz
BSAT	FLHI	Frequency Filter High Pass Value?	15000	Hz
BSAT	DTFL	Delta -T Fluid	189.00	uspf
BSAT	DTMT	Delta -T Matrix Type	Limestone	47.5
BSAT	DTSH	Delta -T Shale	100.00	uspf
BSAT	SPEQ	Acoustic Porosity Equation	Wylie	
DSNT	DNOK	Process DSN?	Yes	
DSNT	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	
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
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
BOTTOM				
Data: OXY_BCU_409\0001 GTET-BSAT-FLEX-DSNT-SDLT-ACRT\004 MAIN				Date: 07-Nov-12 06:40:23

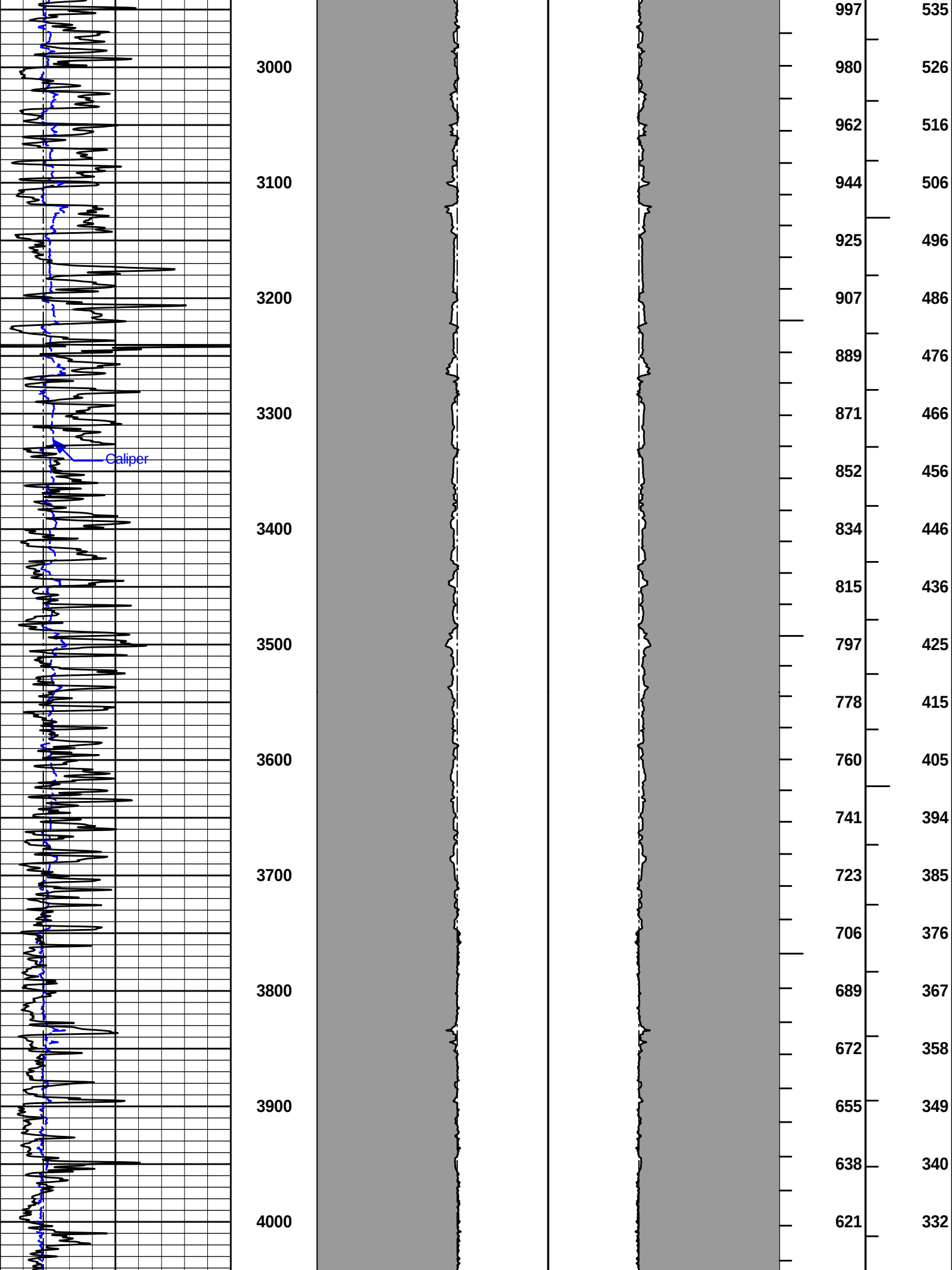
HALLIBURTON

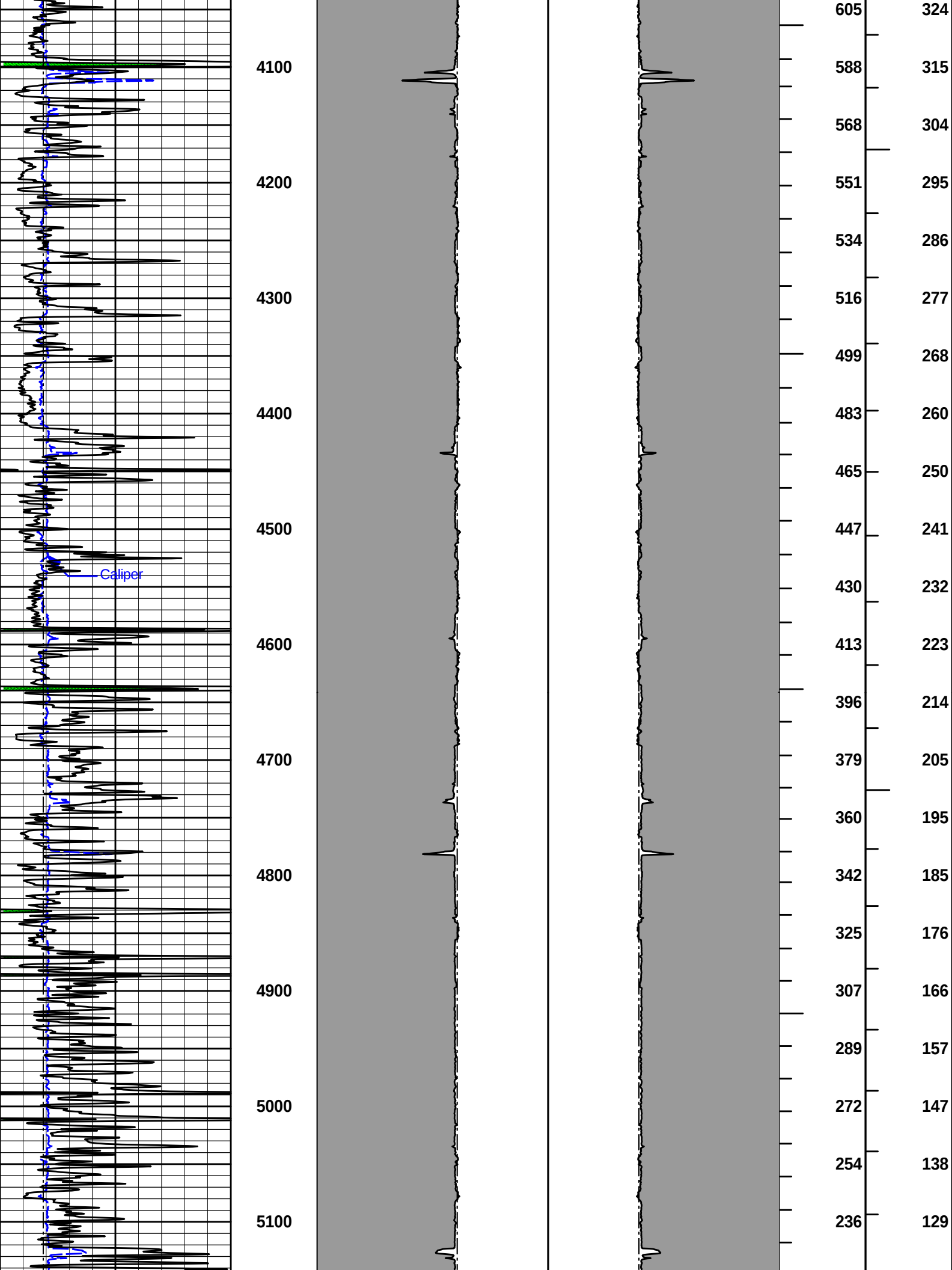
TOOL STRING DIAGRAM REPORT

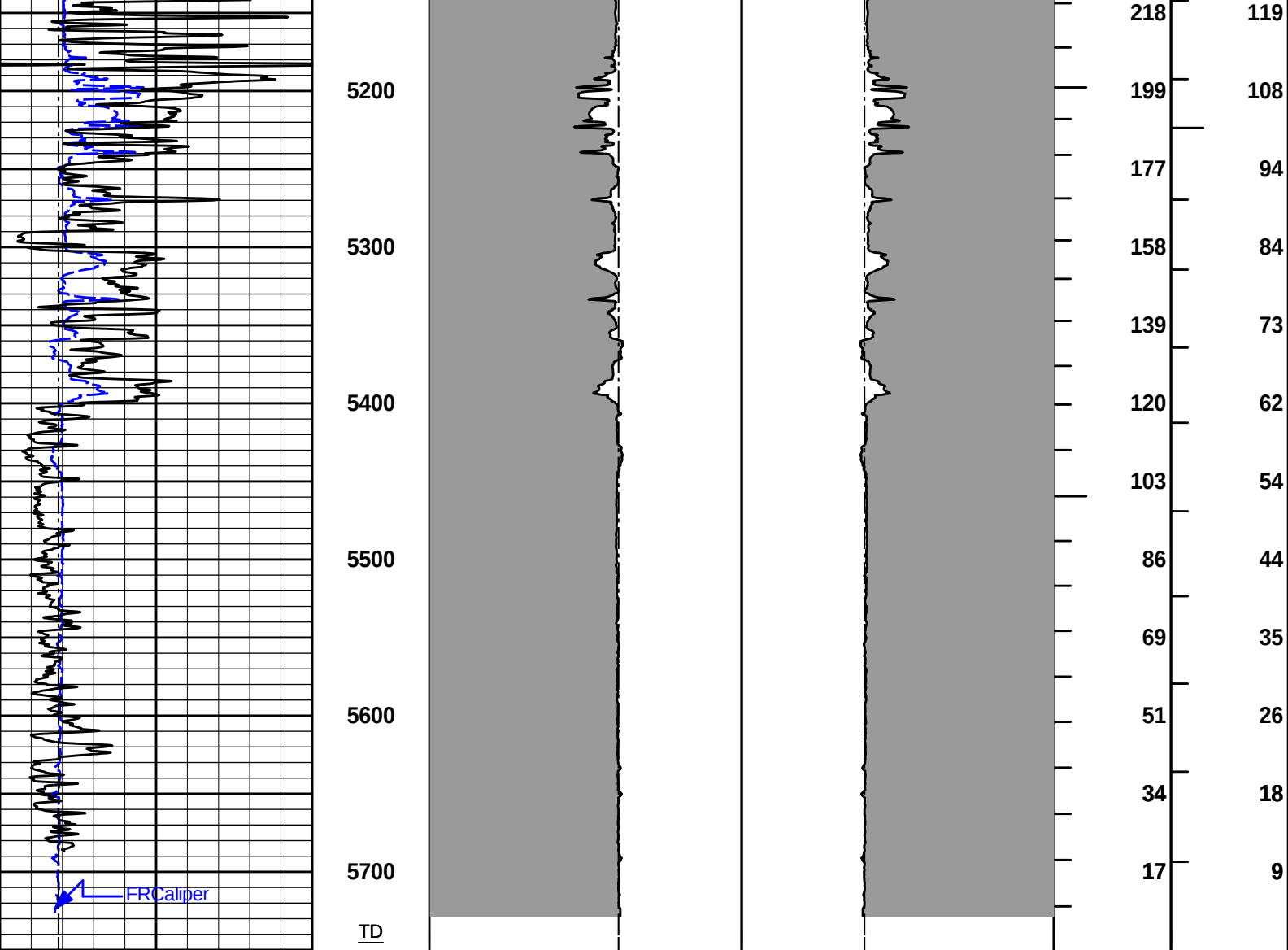
Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
CH_HOS_I 37.50 lbs		Ø 2.750 in →		← Temperature @ 72.30 ft	3.25 ft	73.55 ft
						70.30 ft
GTET-10957072 165.00 lbs		Ø 3.625 in →		← GammaRay @ 64.23 ft	8.52 ft	











6 Bit Size 16		1 : 1200 ft	20 CALI 0 0 CALI 20		BHVT	AHVT
6 CALI 16 inches			20 Bit Size 0 0 Bit Size 20			
0 Gamma API 150						
api			MUDCAKE			
SHALE			MUDCAKE			

HALLIBURTON

Plot Time: 07-Nov-12 09:57:37
Plot Range: 1800 ft to 5751.67 ft
Data: OXY_BCU_409\Well Based\DAQ-0001-004\
Plot File: \\LOCAL-IOXY_BCU_409\0001 GTET-BSAT-FLEX-DSNT-SDLT-ACRT\PORO\AHV Plot_INSITE_IQ

ANNULAR HOLE VOLUME PLOT

AHV PLOT CALCULATED FOR 5.5" CASING

