

ARRAY RESISTIVITY
DENSITY / NEUTRON
BOREHOLE SONIC
QUAD COMBO
TVD LOG

[illegible]

DIRECTIONAL INFORMATION

Maximum Deviation	@	KOP	@
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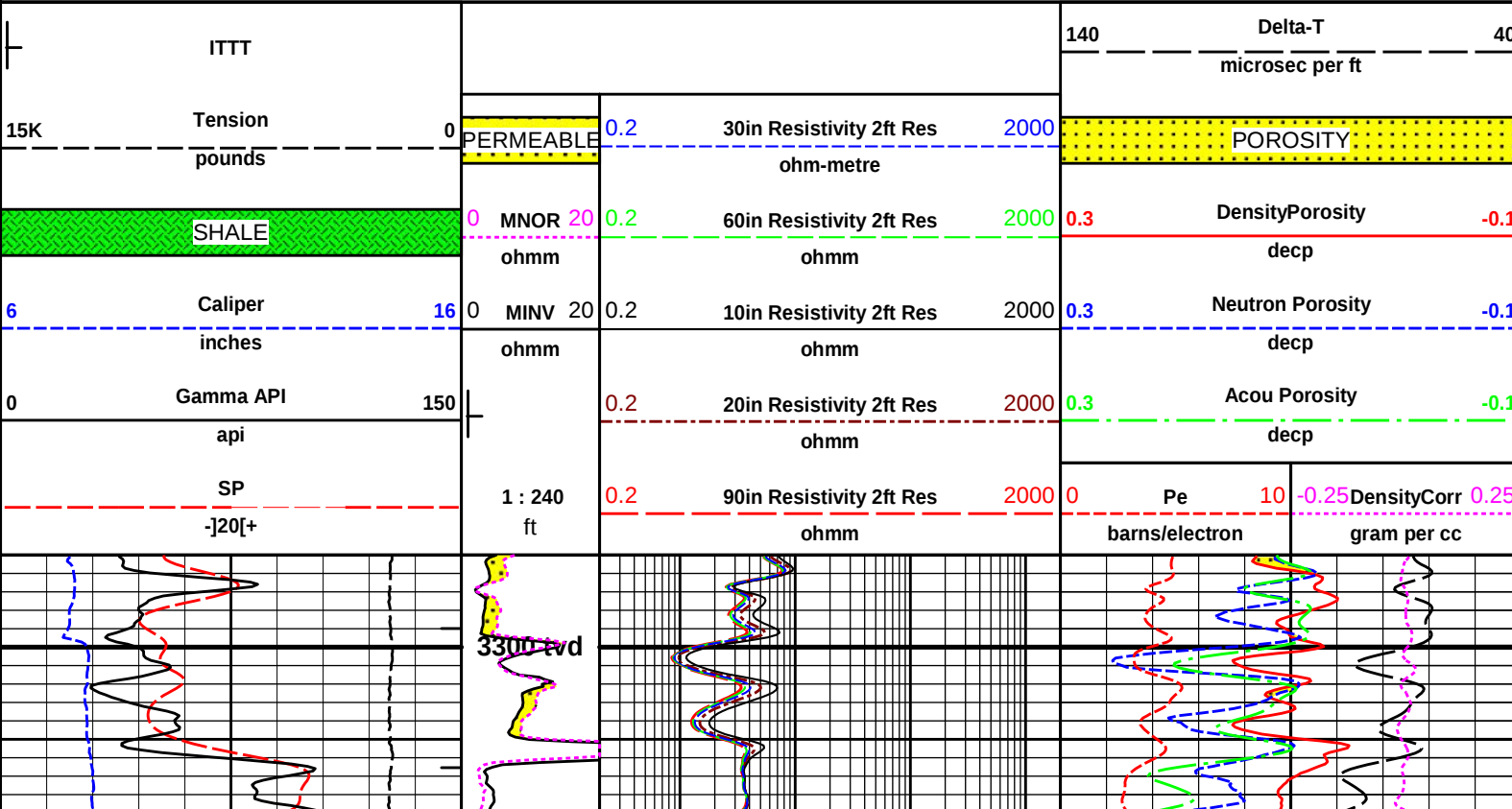
Remarks: 5 1/2" CASING USED FOR ANNULAR HOLE VOLUME

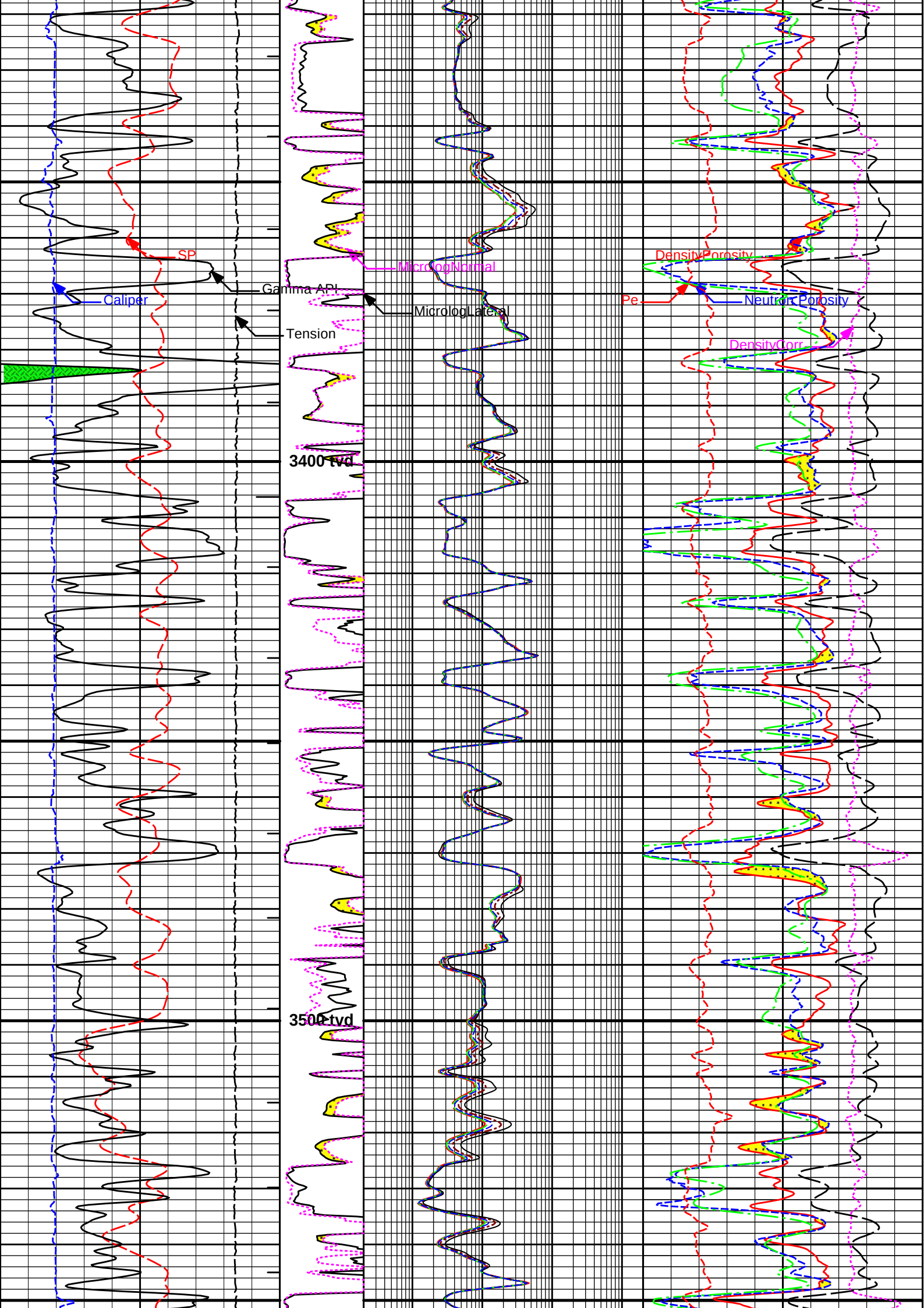
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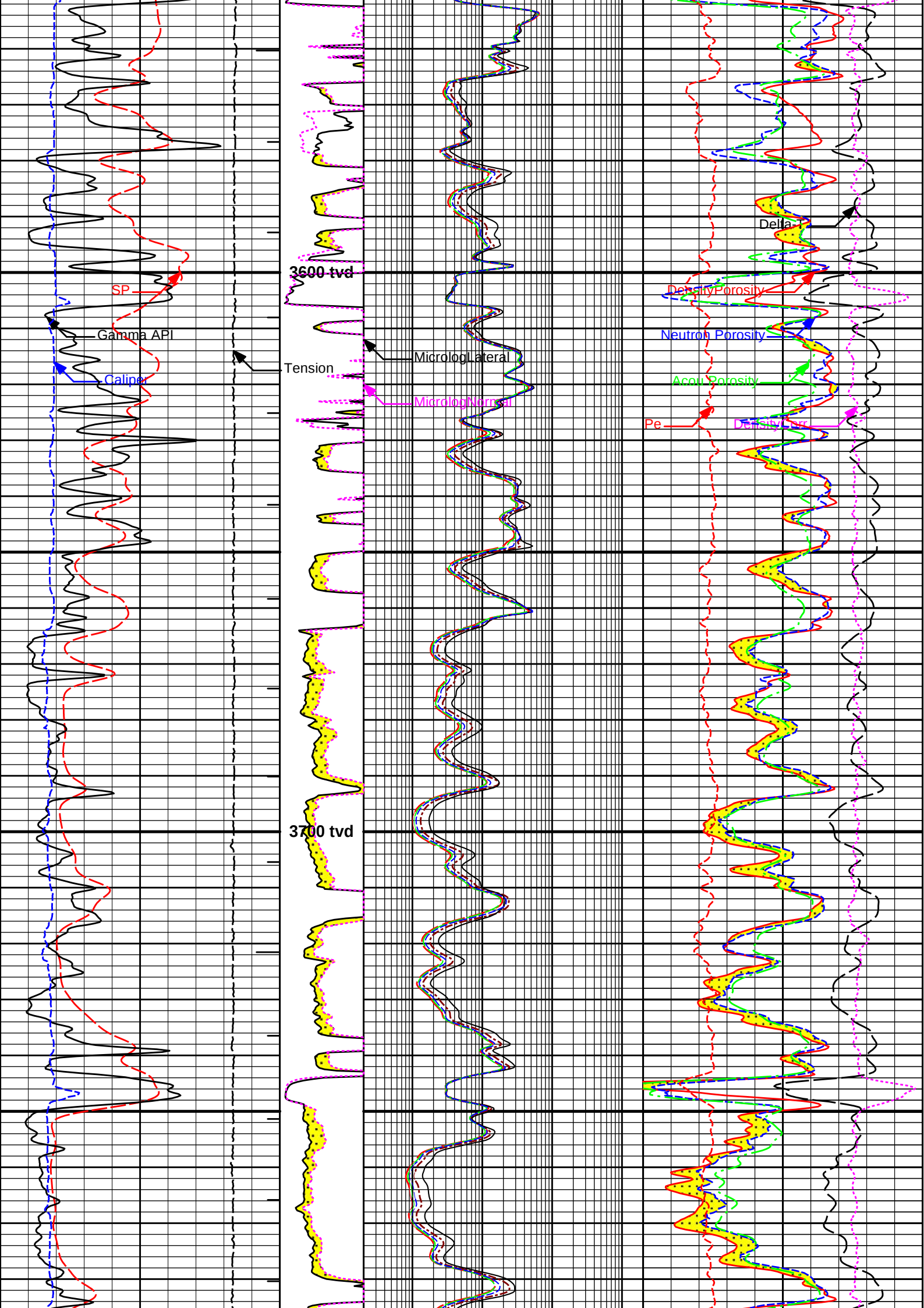
HALLIBURTON

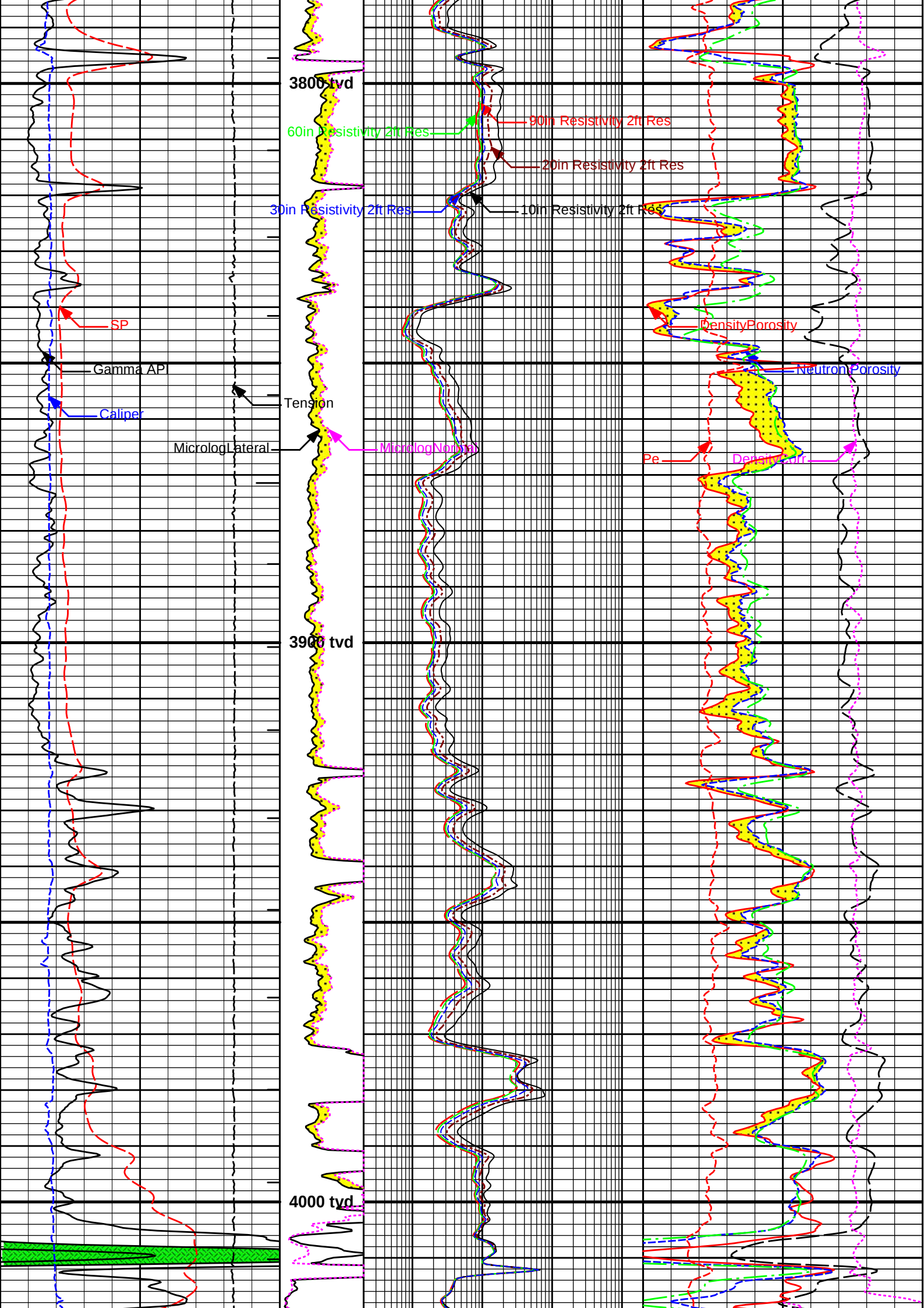
HALLIBURTON	Plot Time: 28-Sep-19 05:11:09 Plot Range: 3290 ft to 5616.75 ft Data: MERIT_LESTER\Well Based*\ Plot File: \\QUAD-TVD\ACRT-SDL-DSN-ML-BSAT 5 INCH MAIN LOG
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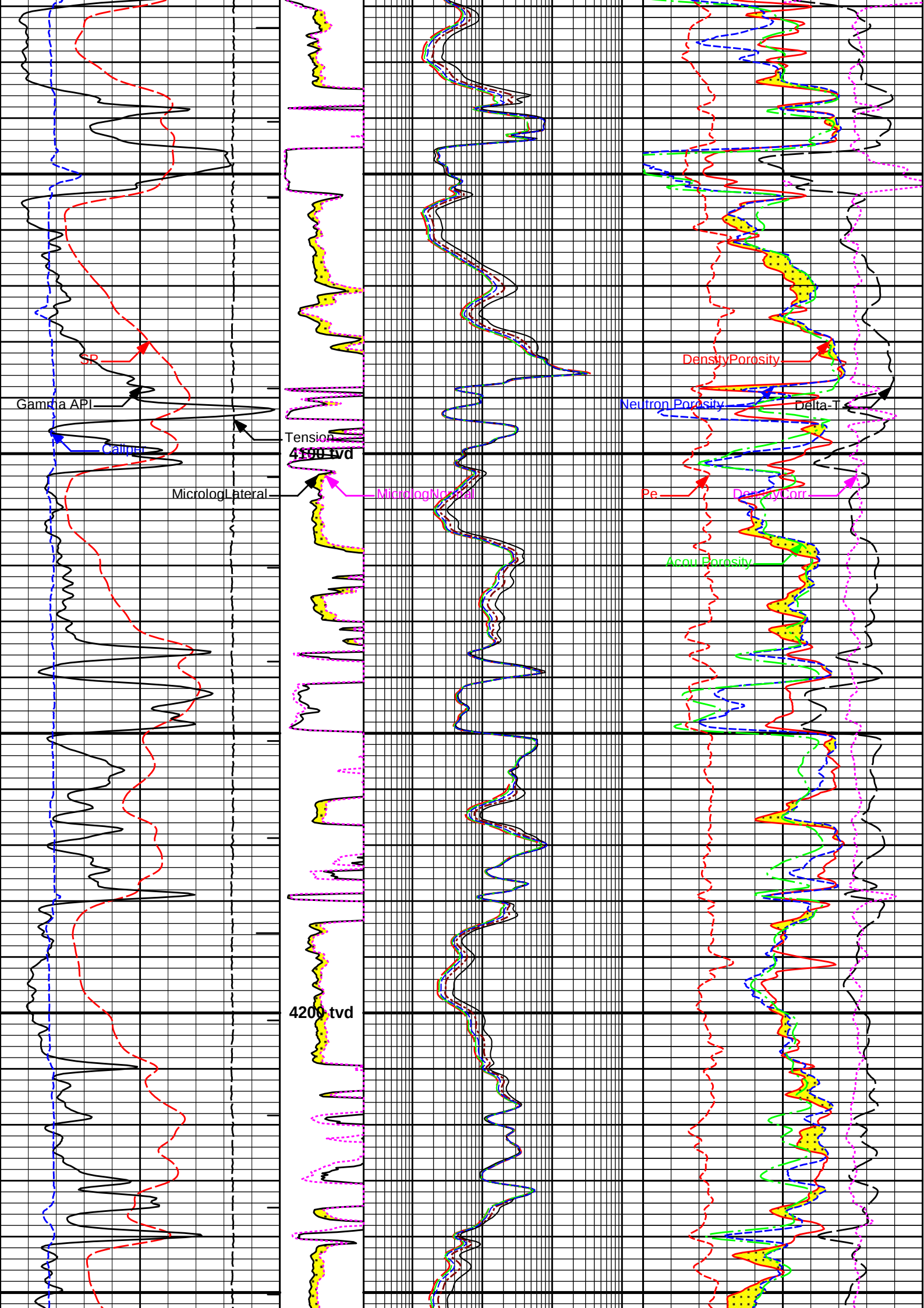
5 INCH MAIN LOG

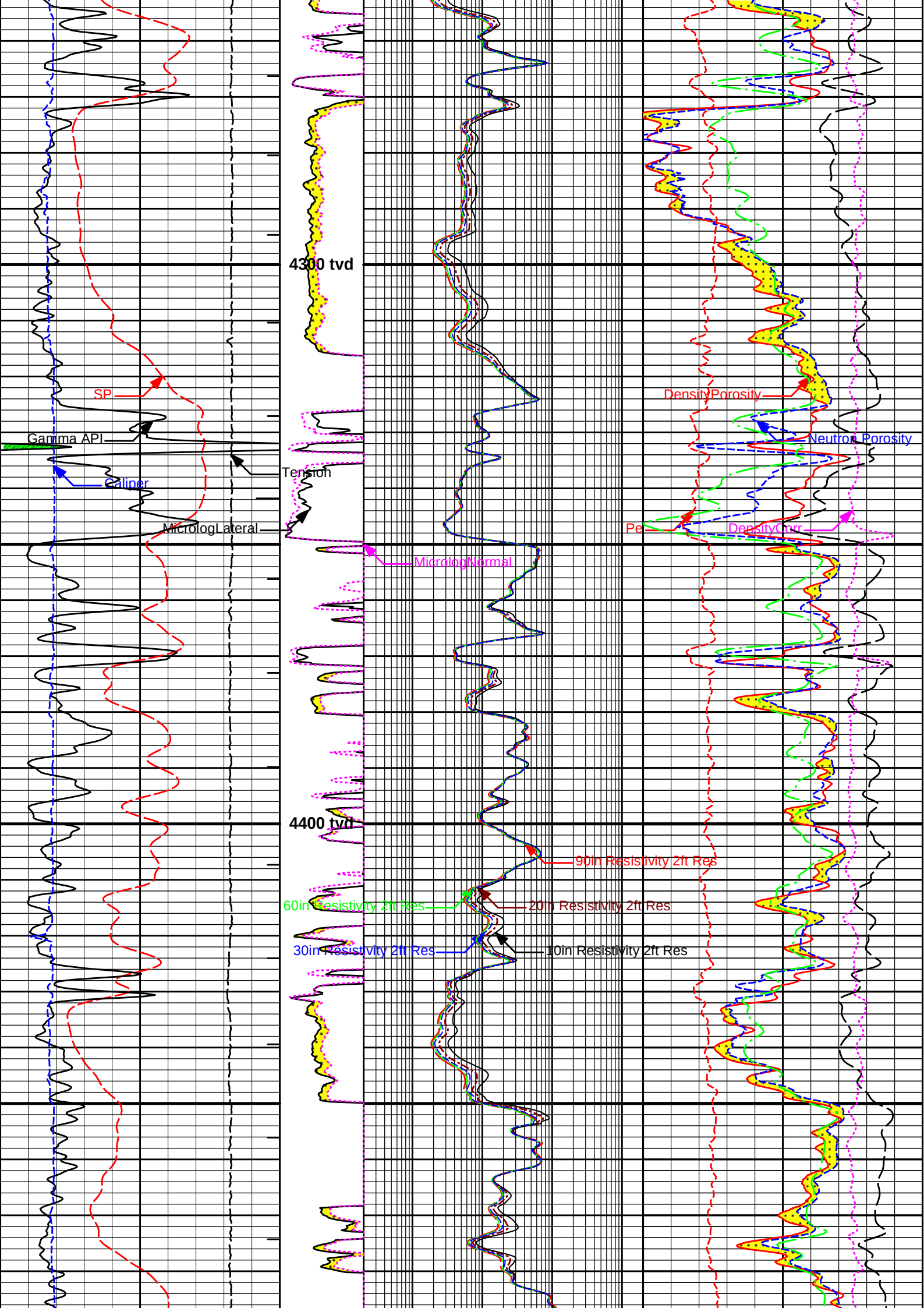


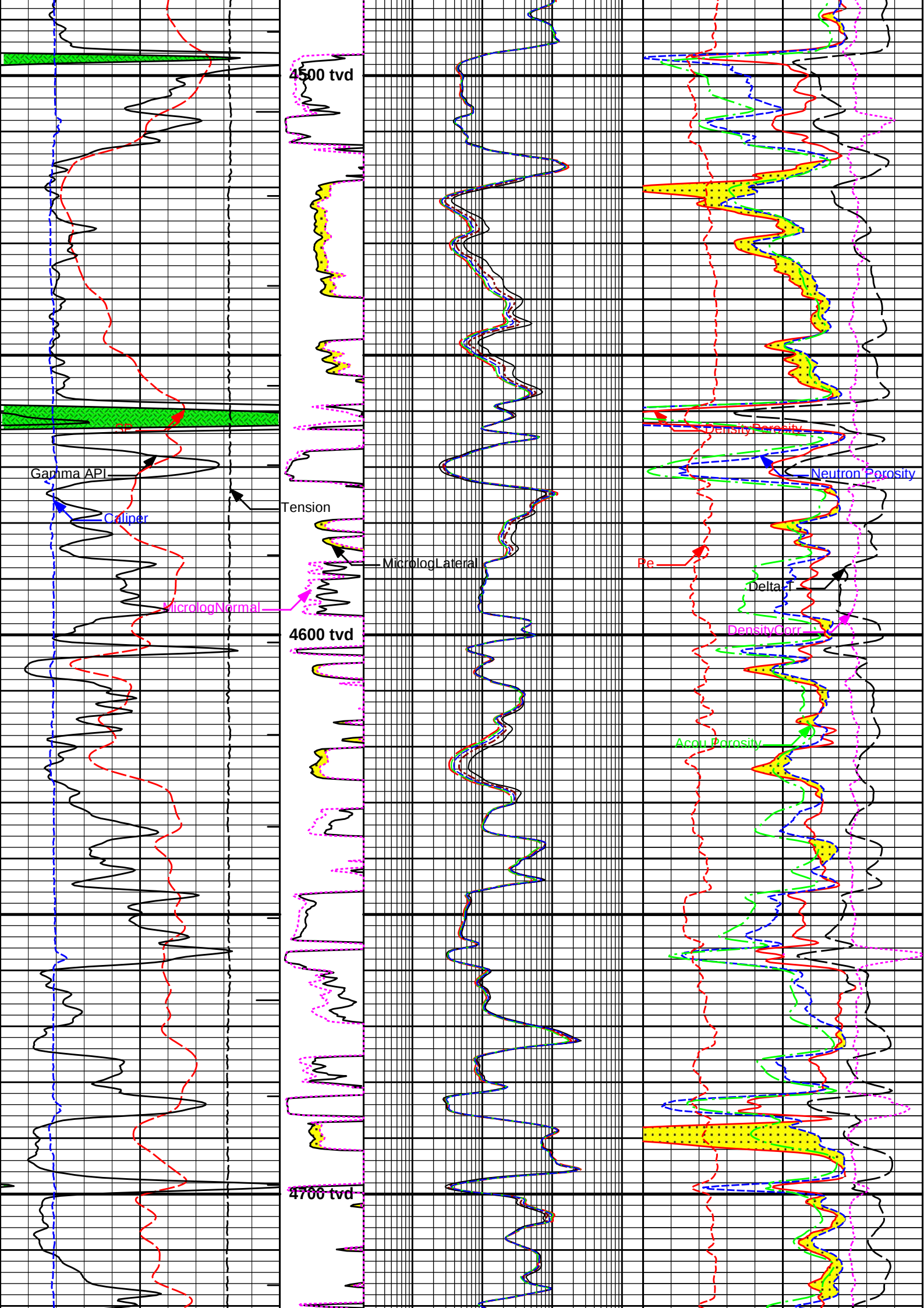


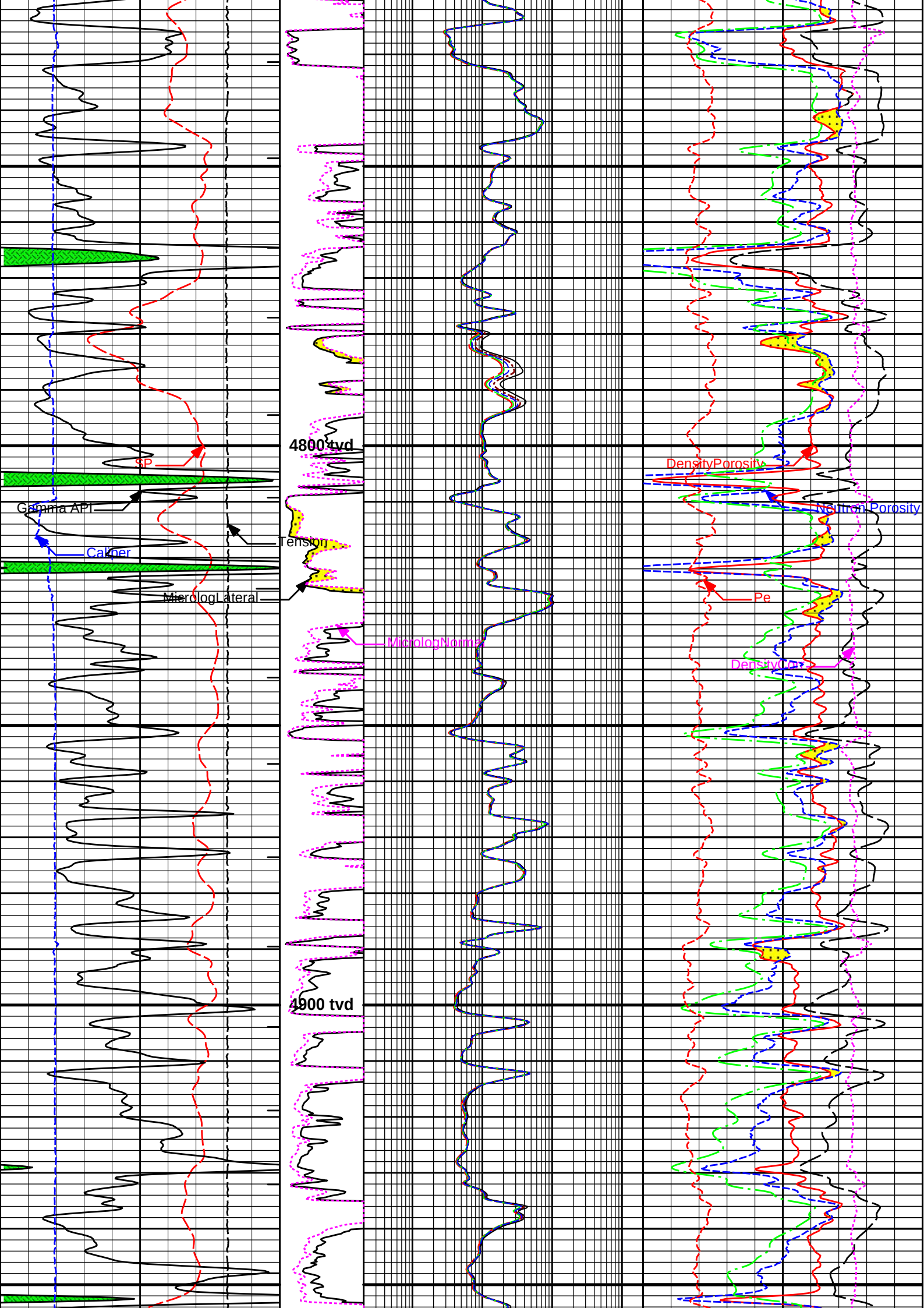


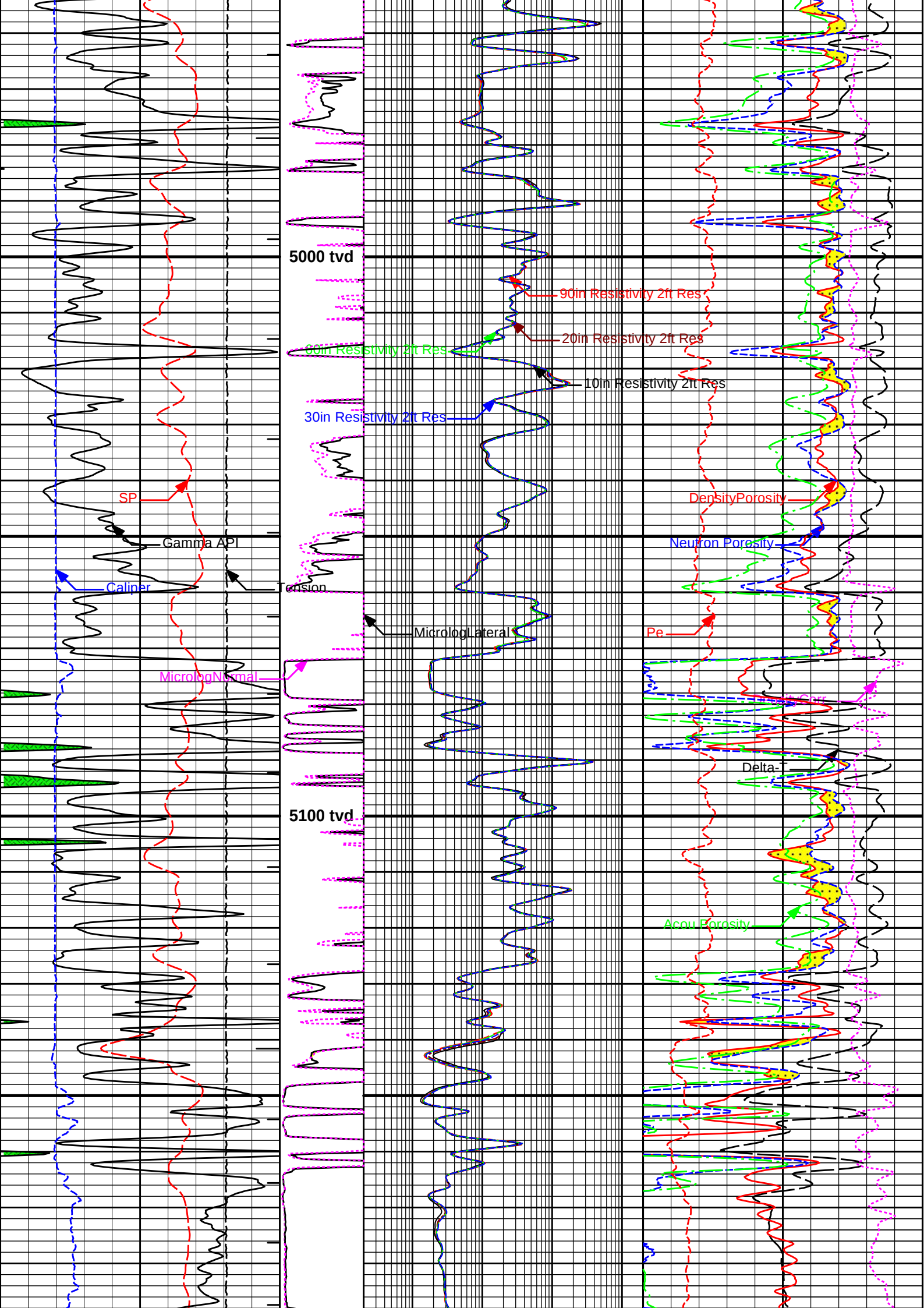


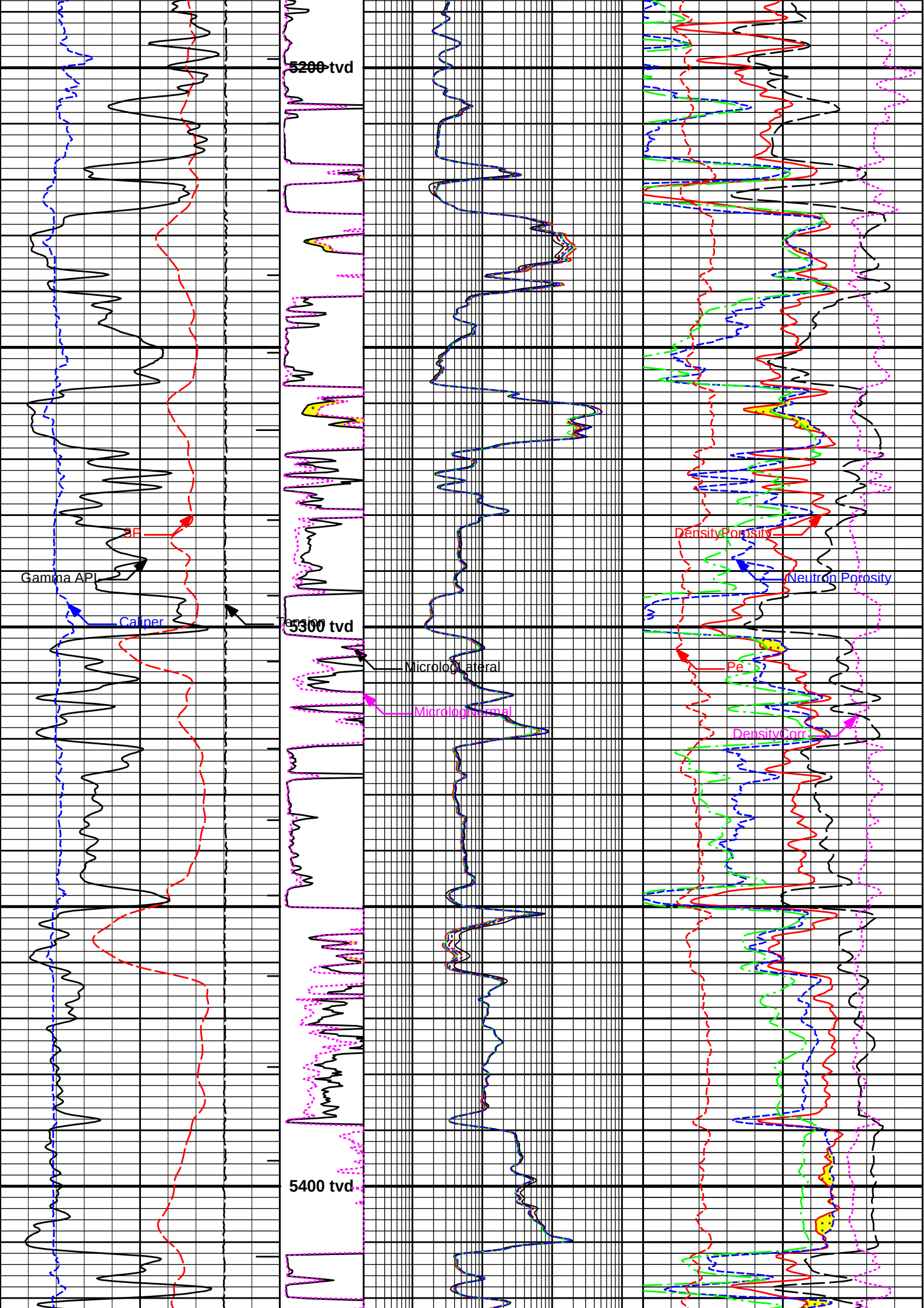


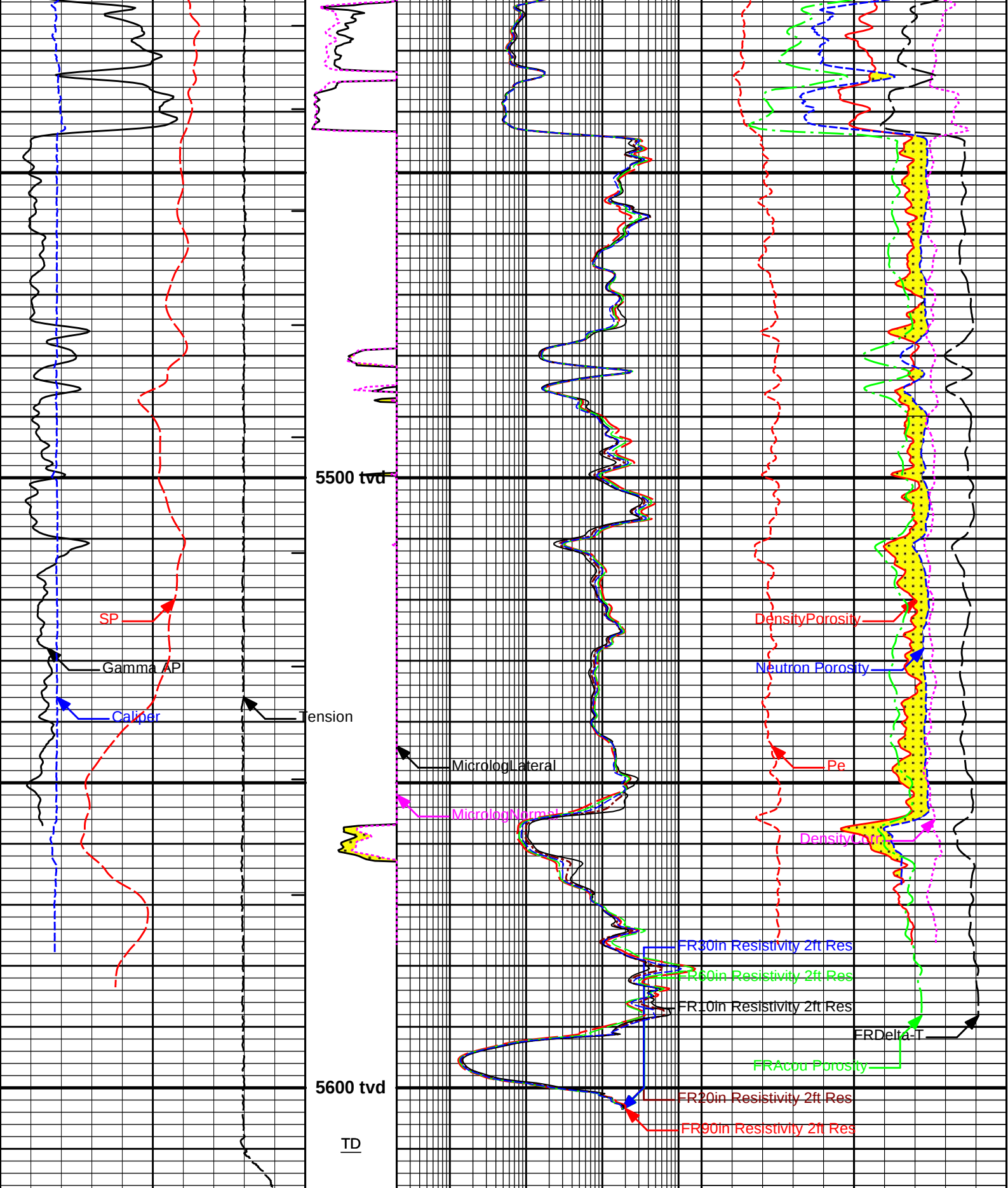












0 6	SP	1 : 240 ft	0.2	90in Resistivity 2ft Res	2000	0	Pe	10	-0.25	DensityCorr	0.25
	-J20[+			ohmm			barns/electron			gram per cc	
	Gamma API	150	0.2	20in Resistivity 2ft Res	2000	0.3	Acou Porosity		-0.1		
	api			ohmm			decip				
	Caliper	16	0	10in Resistivity 2ft Res	2000	0.3	Neutron Porosity		-0.1		
	inches			ohmm			decip				
	SHALE		0	60in Resistivity 2ft Res	2000	0.3	DensityPorosity		-0.1		
				ohmm			decip				

15K	Tension	0	PERMEABLE	0.2	30in Resistivity 2ft Res	2000	POROSITY
	pounds				ohm-metre		
	ITTT					140	Delta-T
							microsec per ft
							40

HALLIBURTON

Plot Time: 28-Sep-19 05:11:13
Plot Range: 3290 ft to 5616.75 ft
Data: MERIT_LESTER\Well Based*\nPlot File: \\QUAD-TVD\\ACRT-SDL-DSN-ML-BSAT

5 INCH MAIN LOG

5 INCH MAIN LOG

HALLIBURTON

CALIBRATION REPORT

SURFACE TENSION SHOP CALIBRATION

Tool Name:	Depth Panel - 00000032	Reference Calibration Date:	07-Sep-19 17:01:41
Engineer:	JORGE ORLANDO PEREZ	Calibration Date:	21-Sep-19 08:46:46
Software Version:	WL INSITE R6.2.7 (Build 7)	Calibration Version:	1

SURFACE TENSION LOAD CELL				
Measurement	Load Cell Value	Measurement	Calibrated	Units
Low	11285.25	67.24	0.00	lbs
High	17912.38	7904.98	7830.00	lbs

DOWNHOLE TENSION SHOP CALIBRATION

Tool Name:	RWCH - 12027542	Reference Calibration Date:	26-Sep-19 10:37:38
Engineer:	WHITLOCK	Calibration Date:	26-Sep-19 11:43:38
Software Version:	WL INSITE R6.2.7 (Build 7)	Calibration Version:	1

DOWNHOLE LOAD CELL				
Measurement	Tool Value	Measurement	Calibrated	Units
Low	-1468.59	79.75	0.00	lbs
High	2034.75	957.48	1210.00	lbs

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:	GTET - 10971172	Reference Calibration Date:	03-Jul-19 13:10:49
Engineer:	JORGE ORLANDO PEREZ	Calibration Date:	03-Aug-19 09:24:44
Software Version:	WL INSITE R6.2.1 (Build 2)	Calibration Version:	1

Calibrator Source S/N: TB-146
Calibrator API Reference:225.00 api
Equivalent Calibrator API Reference:228.9 api

Measurement	Measured	Calibrated	Units
Background	20.8	20.8	api
Background + Calibrator	249.4	249.7	api
Calibrator	228.6	228.9	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:	GTET - 10971172	Reference Calibration Date:	03-Aug-19 09:24:44
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PASS/FAIL SUMMARY

Background Check:Passed

Gain-Range Check:Passed

Snow-Block Check:Passed

DUAL SPACED NEUTRON FIELD CALIBRATION

Tool Name:DSNT2 - 10993115

Reference Calibration Date:04-Jun-19 10:53:11

Engineer:JORGE ORLANDO PEREZ

Calibration Date:23-Sep-19 10:05:43

Software Version:WL INSITE R6.2.7 (Build 7)

Calibration Version:1

Logging Source S/N: DSN-424

Snow Block S/N: 12345678

NEUTRON FIELD-CHECK SUMMARY

ShopFieldDifferenceControl Limit On Change

Snow-Block Porosity (decp):0.06540.07090.0055+/- 0.0150

PASS/FAIL SUMMARY

Block Change Check:Passed

Snow Block Stat Check:Passed

Temperature Check:Passed

DENSITY CALIPER SHOP CALIBRATION

Tool Name:SDLT2 - 10951315

Reference Calibration Date:22-Jul-19 10:31:20

Engineer:JORGE ORLANDO PEREZ

Calibration Date:22-Jul-19 10:38:21

Software Version:WL INSITE R6.2.1 (Build 2)

Calibration Version:1

Host Tool Name:DSNT - 10993115

CALIBRATION COEFFICIENTS

MeasurementPrevious ValueNew ValueControl Limit On New Value

Pad Offset-3636.13-3454.23-7000.00 - -1000.00

Pad Gain0.00037710.00037180.0002000 - 0.0006000

Arm Offset-3231.82-3426.34-5000.00 - 3000.00

Arm Gain0.00052980.00053340.000300 - 0.000700

Arm Power-0.000006323-0.000006556-0.000010000 - 0.000010000

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

Tool Diameter: 4.50 in

CALIBRATION RINGS

MeasurementCurrent Reading (Previous Coeff.)Calibrated (New Coeff.)ChangeControl Limit On New Value

PAD EXTENSION:

Small Ring (in)1.962.000.04+/- 0.20

Medium Ring (in)3.743.750.01+/- 0.20

RING DIAMETER:

Small Ring (in)6.526.50-0.02+/- 0.20

Medium Ring (in)8.268.25-0.01+/- 0.20

Large Ring (in)15.0015.000.00+/- 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:SDLT2 - 10951315

Reference Calibration Date:22-Jul-19 10:38:21

Engineer: JORGE ORLANDO PEREZ					Calibration Date: 22-Jul-19 10:40:18		
Software Version: WL INSITE R6.2.1 (Build 2)					Calibration Version: 1		
	MEASURED CALIPER VALUES						
	Measurement	Shop	Field	Change	Control Limit On New Value		
	Pad Extension	3.74	3.75	0.02	+/- 0.10		
	Ring Diameter	8.25	8.26	0.01	+/- 0.15		
PASS/FAIL SUMMARY							
Pad Extension Check:				Passed			
Diameter Check:				Passed			

BSAT FIELD CASING CHECK							
Tool Name: BSAT - 10747686				Calibration Date: 26-Mar-14 12:42:00			
Engineer: HOFKAMP							
Software Version: WL INSITE R4.2.0 (Build 2)				Calibration Version: 1			

	Pre-Log Check	Check Depth	Shop	Field	Difference	Tolerance	Units	
	Delta-T Compensated	153.78	57.00	56.99	0.0100	1.00	uspf	

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION							
Tool Name: ACRt Sonde - 12109515				Reference Calibration Date: 22-Oct-18 10:49:55			
Engineer: WHITLOCK				Calibration Date: 30-May-19 15:30:22			
Software Version: WL INSITE R6.2.1 (Build 2)				Calibration Version: 1			
Host Tool Name: ACRt Instrument - 12109517							

TYPICAL GAIN RANGE									
Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.0445	1.05	0.95	1.0220	1.05	0.95	1.0152	1.05
A2 (50")	0.95	1.0411	1.05	0.95	1.0340	1.05	0.95	1.0311	1.05
A3 (29")	0.95	1.0390	1.05	0.95	1.0188	1.05	0.95	1.0136	1.05
A4 (17")	0.95	1.0372	1.05	0.95	1.0168	1.05	0.95	1.0129	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.0165	1.05	0.95	1.0111	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.9978	1.05	0.95	0.9930	1.05

SONDE OFFSET									
Subarray	R12KHz			R36KHz			R72KHz		
	(mmho/m)			(mmho/m)			(mmho/m)		
A1 (80")	1.339			-4.365			-5.632		
A2 (50")	-0.632			-4.127			-4.876		
A3 (29")	-13.611			-4.650			-3.361		
A4 (17")	-110.831			-34.163			-25.608		
A5 (10")	N/A			-93.889			-41.507		
A6 (6")	N/A			305.702			156.920		

TRANSMITTER CURRENT GAIN					R-MUD VERIFICATION			
Signal	Lower	R	Upper		Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
12K	0.6	0.95	1.3		Mud Cell	0.95	1.00	1.05
36K	1.0	1.92	2.0					
72K	1.0	1.19	2.0					

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

TOOL OK TO LOG									
QUALITY CHECK SHOP CALIBRATION									
Tool Name:		ACRt Sonde - 12109515				Reference Calibration Date:		22-Oct-18 10:51:40	
Engineer:		JORGE ORLANDO PEREZ				Calibration Date:		22-Oct-18 10:52:51	
Software Version:		WL INSITE R5.6.0 (Build 2)				Calibration Version:		1	
Host Tool Name:		ACRt Instrument - 12109517							
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	-0.026	> -0.500	Pass
A5 (10")	-0.012	> -0.500	Pass	-0.021	> -0.500	Pass	-0.040	> -0.500	Pass
A6 (6")	0.015	< 0.500	Pass	0.067	< 0.500	Pass	0.144	< 0.500	Pass
GAIN TOLERANCE									
R12KHz									
	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail				
A1 (80")	-213571760.000	-213557040.000	14720.000	10677852.000	Pass				
A2 (50")	-216483264.000	-216468096.000	15168.000	10823404.800	Pass				
A3 (29")	-208602304.000	-208589536.000	12768.000	10429476.800	Pass				
A4 (17")	-206792240.000	-206770736.000	21504.000	10338536.800	Pass				
A5 (10")	-202998704.000	-202978400.000	20304.000	10148920.000	Pass				
A6 (6")	-208316864.000	-208294896.000	21968.000	10414744.800	Pass				
R36KHz									
	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail				
A1 (80")	58445244.000	58432960.000	12284.000	2921648.000	Pass				
A2 (50")	54700280.000	54687980.000	12300.000	2734399.000	Pass				
A3 (29")	47287512.000	47272796.000	14716.000	2363639.800	Pass				
A4 (17")	36497232.000	36481916.000	15316.000	1824095.800	Pass				
A5 (10")	32014552.000	32001312.000	13240.000	1600065.600	Pass				
A6 (6")	37168108.000	37152904.000	15204.000	1857645.200	Pass				
R72KHz									
	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail				
A1 (80")	-90832120.000	-90826936.000	5184.000	4541346.800	Pass				
A2 (50")	-87633424.000	-87632144.000	1280.000	4381607.200	Pass				
A3 (29")	-85509320.000	-85505200.000	4120.000	4275260.000	Pass				
A4 (17")	-86394448.000	-86393240.000	1208.000	4319662.000	Pass				

A5 (10")	-87099680.000	-87096752.000	2928.000	4354837.600	Pass
A6 (6")	-86173632.000	-86168880.000	4752.000	4308444.000	Pass

PASS/FAIL SUMMARY

Std Deviation Verification

Pass

Average Verification

Pass

Gain Tolerance Verification

Pass

MICRO LOG SHOP CALIBRATION

Tool Name: Microlog Pad2 - 10951315

Reference Calibration Date: 12-Sep-19 14:14:46

Engineer: WHITLOCK

Calibration Date: 12-Sep-19 14:17:40

Software Version: WL INSITE R6.2.7 (Build 7)

Calibration Version: 1

Host Tool Name: DSNT - 10993115

CALIBRATION COEFFICIENT SUMMARY

Measurement	Micro Log Normal		Micro Log Lateral		Units
	Measured	Calibrated	Measured	Calibrated	
Tool Zero	0.01	-0.18	-0.11	-0.00	ohmm
Calibration Point #1	0.18	0.00	-0.11	0.00	ohmm
Calibration Point #2	19.98	20.00	20.03	20.00	ohmm
Internal Reference	19.81	19.82	20.03	20.00	ohmm

Measurement	Micro Log Normal Tool Value	Micro Log Lateral Tool Value	Units
Tool Zero	-0.33	0.40	V
Calibration Point #1	47.95	1.48	V
Calibration Point #2	5412.12	6962.17	V
Internal Reference	5365.03	6961.82	V

MICRO LOG FIELD CHECK

Tool Name: Microlog Pad2 - 10951315

Reference Calibration Date: 12-Sep-19 14:17:40

Engineer: JORGE ORLANDO PEREZ

Calibration Date: 23-Sep-19 09:52:15

Software Version: WL INSITE R6.2.7 (Build 7)

Calibration Version: 1

Measurement	Micro Log Normal		Micro Log Lateral		Units
	Shop	Field	Shop	Field	
Tool Zero	-0.18	-0.16	-0.00	-0.02	ohmm
Internal Reference	19.82	19.78	20.00	19.95	ohmm

Summary

Signal	Shop	Field	Difference	Tolerance
Microlog Normal	19.82	19.78	0.04	+/- 0.80
Microlog Lateral	20.00	19.95	0.05	+/- 0.80

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name: SDLT Pad2 - 10809130

Reference Calibration Date: 28-May-19 11:11:37

Engineer: JORGE ORLANDO PEREZ

Calibration Date: 04-Jun-19 09:37:51

Software Version: WL INSITE R6.2.1 (Build 2)

Calibration Version: 1

Logging Source S/N: 5471GW

Aluminum Block S/N: EL RENO STD ALUMINUM

Density: 2.581g/cc

Pe: 3.170

Magnesium Block S/N: EL RENO

Density: 1.687g/cc

Pe: 2.594

DENSITY CALIBRATION SUMMARY

Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	1.0206	1.0595	0.90 - 1.10
Near Dens Gain	1.0053	1.0380	0.90 - 1.10

Near Peak Gain	1.0311	1.0668	0.90 - 1.10
Near Lith Gain	1.0358	1.0785	0.90 - 1.10
Far Bar Gain	1.0064	1.0092	0.90 - 1.10
Far Dens Gain	0.9963	1.0004	0.90 - 1.10
Far Peak Gain	0.9944	1.0006	0.90 - 1.10
Far Lith Gain	0.9694	0.9746	0.90 - 1.10
Near Bar Offset	-0.1045	-0.4695	NONE
Near Dens Offset	0.0390	-0.2575	NONE
Near Peak Offset	-0.1834	-0.4878	NONE
Near Lith Offset	-0.2862	-0.6503	NONE
Far Bar Offset	-0.0618	-0.0908	NONE
Far Dens Offset	0.0135	-0.0260	NONE
Far Peak Offset	-0.0229	-0.0815	NONE
Far Lith Offset	0.0990	0.0538	NONE
Near Bar Background	863.12	860.63	700 - 1450
Near Dens Background	284.30	282.37	230 - 480
Near Peak Background	122.67	123.09	100 - 210
Near Lith Background	154.82	153.05	125 - 260
Far Bar Background	595.06	597.83	450 - 900
Far Dens Background	230.72	229.79	175 - 345
Far Peak Background	91.76	91.18	70 - 140
Far Lith Background	94.41	94.38	75 - 145

CALIBRATION BLOCK SUMMARY				
Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.685	1.687	0.002	+/- 0.015
Pe	2.574	2.561	-0.013	+/- 0.150
ALUMINUM				
Density (g/cc)	2.579	2.580	0.001	+/- 0.01500
Pe	3.137	3.134	-0.003	+/- 0.150

TOOL SUMMARY				
Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	-0.0006	+/- 0.0110	-0.0024	+/- 0.0140
Magnesium Block	-0.0000	+/- 0.0110	-0.0014	+/- 0.0140
Aluminum Block	0.0000	+/- 0.0110	0.0009	+/- 0.0140
Resolution	8.96	6.00 - 11.50	9.38	6.00 - 11.50
Internal Verifier(B+D+P+L)	1419	1200 - 2700	1013	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

Engineer:	JORGE ORLANDO PEREZ	Calibration Date:	23-Sep-19 09:55:38
Software Version:	WL INSITE R6.2.7 (Build 7)	Calibration Version:	1

Pad Temperature: 88.2 degF

DENSITY FIELD CALIBRATION SUMMARY				
Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1419.146	1407.521	-11.625	15.207
Far (B+D+P+L) cps	1013.179	1005.193	-7.986	17.004
Near Resolution	8.96	8.93	-0.030	0.50
Far Resolution	9.38	9.48	0.100	1.00

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

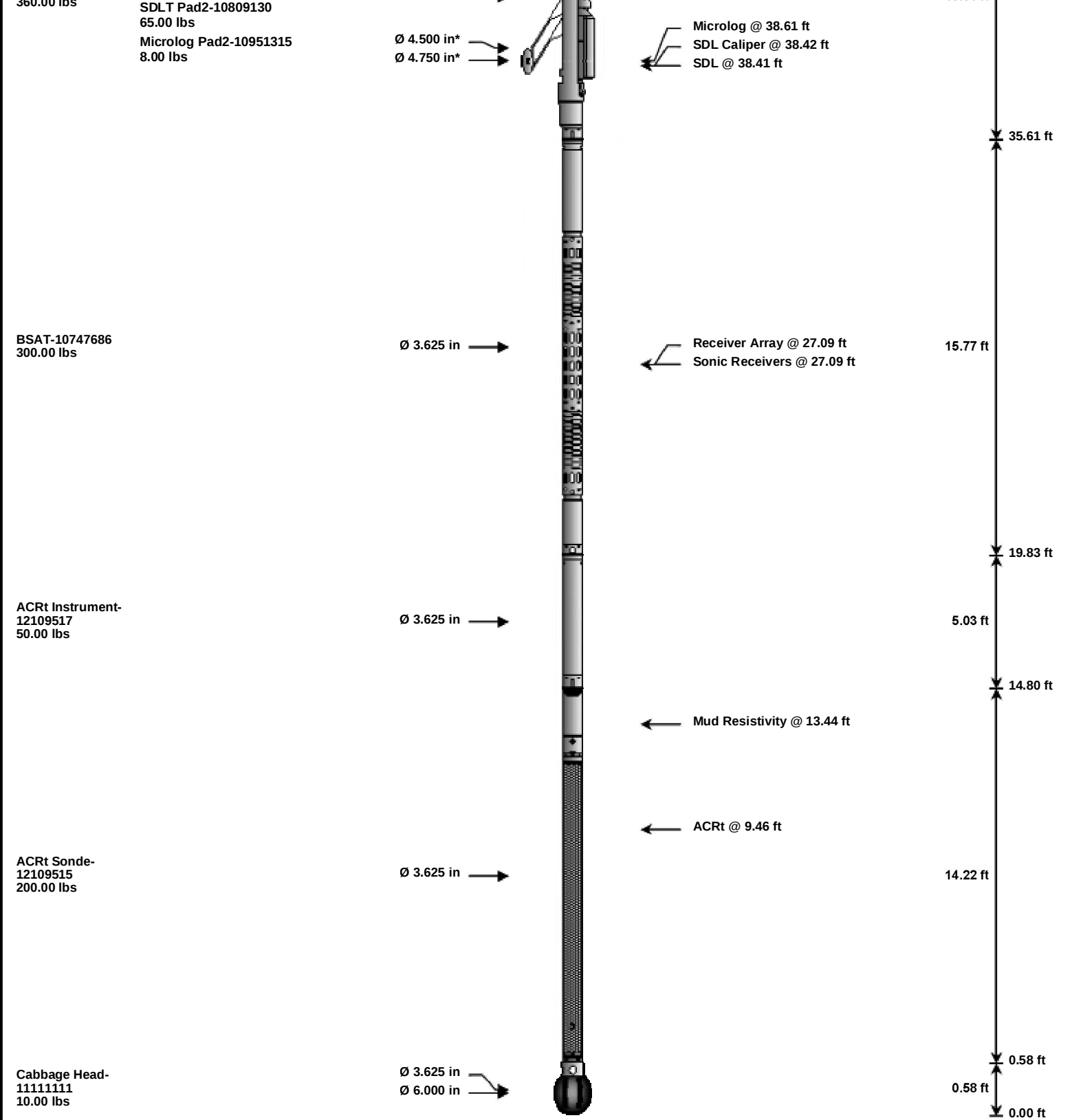
CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
Depth Panel-00000032						
Tension Zero	0.00	-----	-----	0.00	-----	lbs
Tension Cal	7830.00	-----	-----	0.00	-----	lbs
RWCH-12027542						
DH Tension Zero	0.00	-----	-----	0.00	-----	lbs
DH Tension Cal	1210.00	-----	-----	0.00	-----	lbs
GTET-10971172						
Gamma Ray Calibrator	228.9	227.4	-----	1.5	+/- 9.00	api
DSNT2-10993115						
Snow-Block Porosity	0.0654	0.0709	-----	-0.0055	+/- 0.0150	decp
SDLT2-10951315						
Pad Extension	3.75	3.75	-----	0.00	+/-0.10	in
Ring Diameter	8.25	8.26	-----	-0.01	+/-0.15	in
ACRt Sonde-12109515						
Mud Cell	1.00	-----	-----	0	-----	ohm-m
Microlog Pad2-10951315						
MicroLog Normal	19.82	19.78	-----	0.04	+/-0.80	ohmm
MicroLog Lateral	20.00	19.95	-----	0.05	+/-0.80	ohmm
SDLT Pad2-10809130						
Near(B+D+P+L)	1419.146	1407.521	-----	11.625	+/-15.207	cps
Far(B+D+P+L)	1013.179	1005.193	-----	7.986	+/-17.004	cps
Data: MERIT_LESTERI0001 RWCH-GTET-DSNT2-SDLT2-BSAT-ACRT_PASSENGERSIDLE					Date: 27-Sep-19 22:09:55	

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	1.250	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	CSTR	Compressive Strength	1000.00	psia
	SHARED	ST	Surface Temperature	75.0	degF
	SHARED	TD	Total Well Depth	5610.00	ft
	SHARED	BHT	Bottom Hole Temperature	142.0	degF
	SHARED	SVTM	Navigation and Survey Master Tool	NONE	
	SHARED	AZTM	High Res Z Accelerometer Master Tool	GTET	
	SHARED	TEMM	CBM Temperature Master Tool	GTET	
	SHARED	MSAL	Water-base mud filtrate salinity	0.00	ppm
	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	SDLT2	
	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	SDLT2	
	DSNT2	DNOK	Process DSN?	Yes	
	DSNT2	DEOK	Process DSN EVR?	No	
	DSNT2	NLIT	Neutron Lithology	Limestone	
	DSNT2	DNSO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
	DSNT2	DNTT	Temperature Correction Type	None	
	DSNT2	DPRS	DSN Pressure Correction Type	None	
	DSNT2	SHCO	View More Correction Options	No	
	DSNT2	UTVD	Use TVD for Gradient Corrections?	No	
	DSNT2	LHWT	Logging Horizontal Water Tank?	No	
	DSNT2	UCLA	Classic Neutron Parameter utilized?	No	
	DSNT2	BHSM	Borehole Size Source Tool	SDLT2	
	SDLT2	CLOK	Process Caliper Outputs?	Yes	
	Microlog Pad2	MLOK	Process MicroLog Outputs?	Yes	
	SDLT Pad2	DNOK	Process Density?	Yes	
	SDLT Pad2	DNOK	Process Density EVR?	No	
	SDLT Pad2	CB	Logging Calibration Blocks?	No	
	SDLT Pad2	SPVT	SDLT Pad Temperature Valid?	Yes	
	SDLT Pad2	DTWN	Disable temperature warning	No	
	SDLT Pad2	DMA	Formation Density Matrix	2.710	g/cc
	SDLT Pad2	DFL	Formation Density Fluid	1.000	g/cc
	SDLT Pad2	BHSM	Borehole Size Source Tool	SDLT2	
	BSAT	MBOK	Compute BCAS Results?	Yes	
	BSAT	FLLO	Frequency Filter Low Pass Value?	5000	Hz
	BSAT	FLHI	Frequency Filter High Pass Value?	27000	Hz
	BSAT	DTFL	Delta -T Pore Fluid	189.00	uspf
	BSAT	DTMT	Delta -T Matrix Type	Limestone 47.6	

BSAT	DTSH	Delta -T Shale	100.00	uspf
BSAT	SPEQ	Acoustic Porosity Equation	Wylie	
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	SDLT2	
ACRt Sonde	MBFL	Apply Corkscrew Effect?	No	
BOTTOM_____				
Data: MERIT_LESTERI0001 RWCH-GTET-DSNT2-SDLT2-BSAT-ACRT_PASSENGERSIDLE			Date: 27-Sep-19 22:11:11	

HALLIBURTON TOOL STRING DIAGRAM REPORT						
Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
						74.61 ft
		Ø 2.310 in →		← Fishing Neck @ 73.73 ft		
RWCH-12027542 135.00 lbs		Ø 3.625 in →		← Load Cell @ 70.93 ft ← BH Temperature @ 70.36 ft	6.25 ft	
	Weak Point Solid- 12027542 0.01 lbs	Ø 0.010 in* →				68.36 ft
SP Sub-11441455 60.00 lbs		Ø 3.625 in →		← SP @ 66.59 ft	3.74 ft	
				← Z-Accelerometer @ 64.17 ft		64.63 ft
GTET-10971172 165.00 lbs		Ø 3.625 in →			8.52 ft	
				← GammaRay @ 58.56 ft		56.11 ft
	DSN Decentralizer- 10993115 6.60 lbs	Ø 5.000 in* → Ø 3.625 in →			9.69 ft	
DSNT2-10993115 174.00 lbs				← DSN Far @ 49.17 ft ← DSN Near @ 48.42 ft		46.42 ft
SDLT2-10951315 260.00 lbs		Ø 4.500 in →			10.81 ft	



Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
RWCH	Releasable Wireline Cable Head	12027542	135.00	6.25	68.36	300.00
WPSS	Weak Point Solid	12027542	0.01	0.01	* 68.36	300.00
SP	SP Sub	11441455	60.00	3.74	64.63	300.00
GTET	Gamma Telemetry Tool	10971172	165.00	8.52	56.11	60.00
DSNT	Dual Spaced Neutron	10993115	174.00	9.69	46.42	60.00
DCNT	DSN Decentralizer	10993115	6.60	5.13	* 49.75	300.00
SDLT	Spectral Density Tool	10951315	360.00	10.81	35.61	60.00
SDLP	Density Insite Pad	10809130	65.00	2.55	* 37.82	60.00
MICP	Microlog Pad	10951315	8.00	1.00	* 38.11	60.00
BSAT	Borehole Sonic Array Tool	10747686	300.00	15.77	19.83	60.00
ACRt	Array Compensated True Resistivity Instrument Section	12109517	50.00	5.03	14.80	120.00
ACRt	Array Compensated True Resistivity Sonde Section	12109515	200.00	14.22	0.58	120.00
CBHD	Cabbage Head	11111111	10.00	0.58	0.00	300.00
Total			1,533.61	74.61		

* Not included in Total Length and Length Accumulation.

