

HALLIBURTON

QUAD COMBO

COMPANY WELL FIELD/BLOCK COUNTY STATE					MERIT ENERGY COMPANY BATMAN B4 SANTA FE NORTH HASKELL KANSAS				
COMPANY WELL FIELD/BLOCK COUNTY STATE					MERIT ENERGY COMPANY BATMAN B4 SANTA FE NORTH HASKELL KANSAS				
Permanent Datum Log measured from Drilling measured from					GL KB KB Elev. 2978.6 ft 13.0 ft above perm. Datum Elev.: K.B. D.F. G.L. 2991.6 ft 2991.6 ft 2978.6 ft				
Date Run No. Depth - Driller Depth - Logger Bottom - Logged Interval Top - Logged Interval Casing - Driller Casing - Logger Bit Size Type Fluid in Hole Density PH Source of Sample Rm @ Meas. Temperature Rmf @ Meas. Temperature Rmc @ Meas. Temperature Source Rmf Rm @ BHT Time Since Circulation Time on Bottom Max. Rec. Temperature Equipment Recorded By Witnessed By					25-Feb-18 ONE 5655.0 ft 5662.0 ft 5653.00 ft 4000.00 ft 8.625 in 1827.0 ft 7.875 in Water Based Mud 9.1 ppg 11.00 pH FLOWLINE 1.67 ohmm 1.51 ohmm 1.82 ohmm MEAS 0.96 ohmm 5.0 hr 25-Feb-18 20:45 135.00 degF 12147634 JORGE ORLANDO PEREZ MATTHEW GARVIN				
					Sect. 10 Twp. 28S Rge. 33W Other Services: DSNT/SDLT MICROLOG BSAT ACRT				

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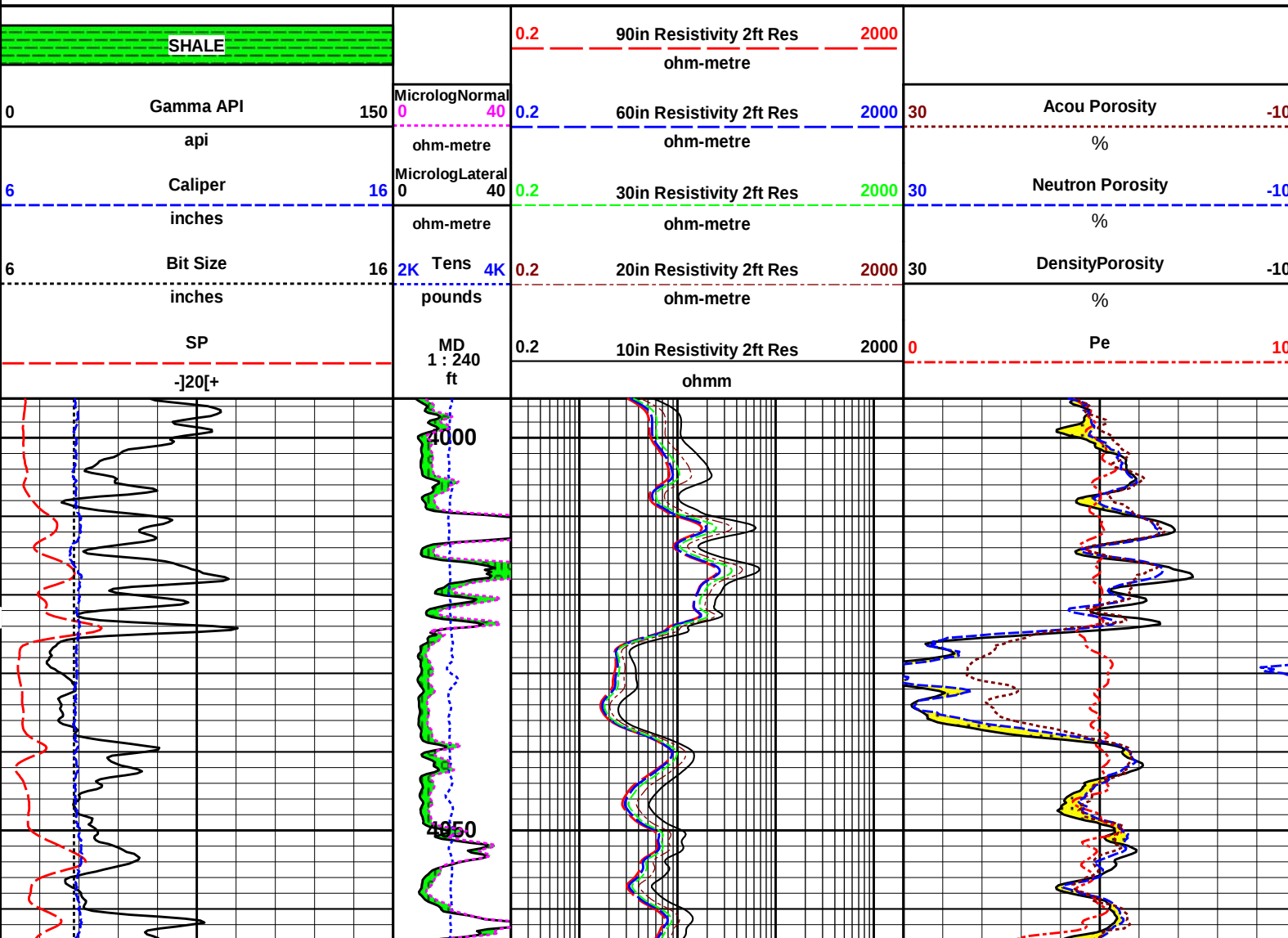
Service Ticket No.: 904653282						API No.: 15081221710000						PGM Version: WL INSITE R5.0.5 (Build 8)							
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE										RESISTIVITY SCALE CHANGES									
Date	Sample No.										Type Log	Depth		Scale Up Hole		Scale Down Hole			
Depth-Driller																			
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		N/A		1.5 S.O.		N/A			
Rmc @ Meas. Temp.			@		@		@			I-11026095									
Source Rmf	Rmc									S-11005908									
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.		11958947		Serial No.		10747683		Serial No.		10960494		Serial No.		11055304					
Model No.		GTET		Model No.		BSAT		Model No.		SDLT		Model No.		DSNT					
Diameter		3.625"		No. of Cent.		2		Diameter		5.5"		Diameter		3.625"					
Detector Model No.		T-102		Spacing		EVEN		Log Type		GAM-GAM		Log Type		NEU-NEUI					
Type		SCINT						Source Type		CS137		Source Type		AM241BE					
Length		8"		LSA [Y/N]				Serial No.		5168GW		Serial No.		DSN-424					
Distance to Source		N/A		FWDA [Y/N]				Strength		1.5 Ci		Strength		15.0 Ci					
LOGGING DATA																			
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	TD	CSG	REC	0	150	30	-10	47.6 uSec/ft	30	-10	2.71 gr/cc	30	-10	LIME					

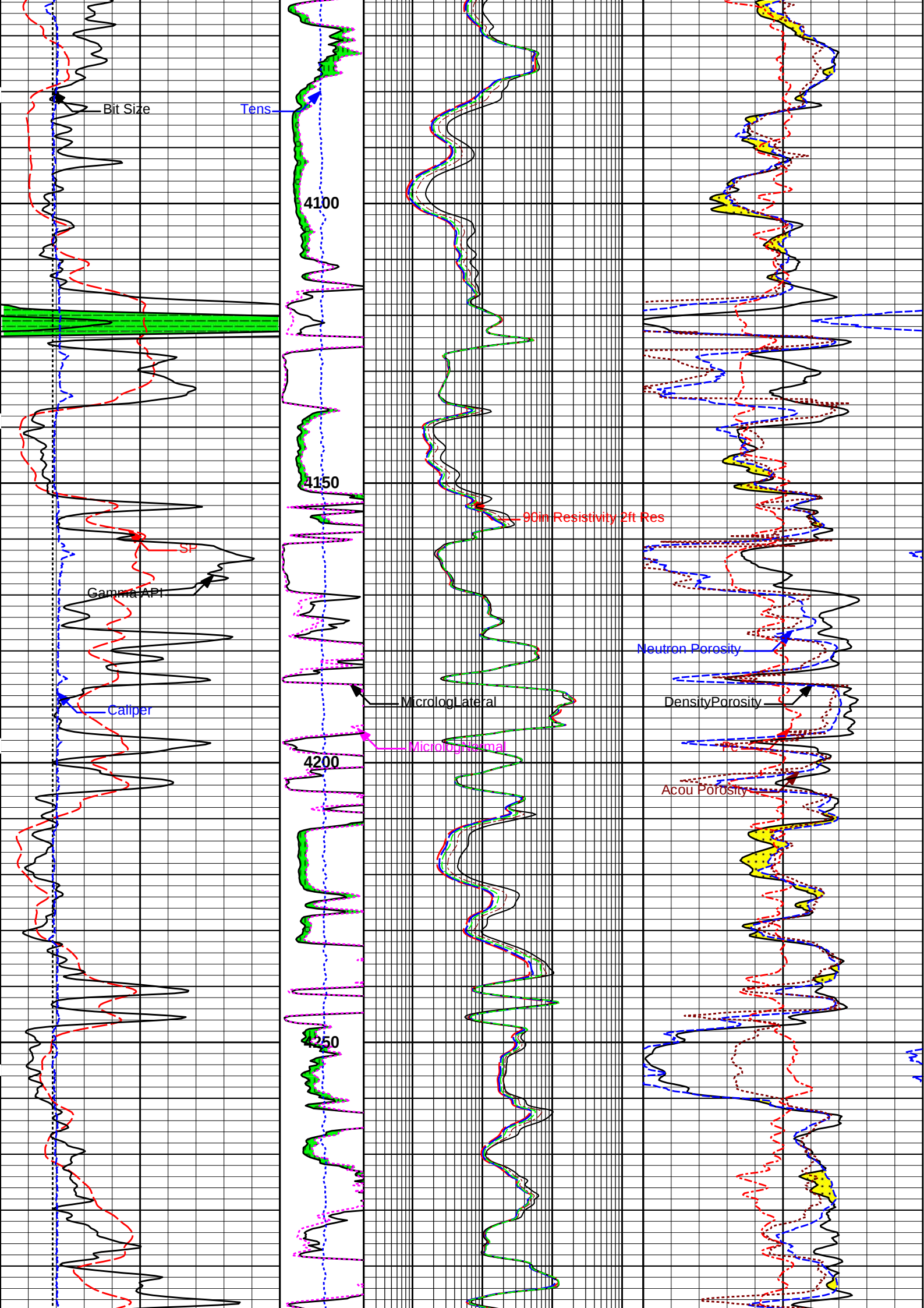
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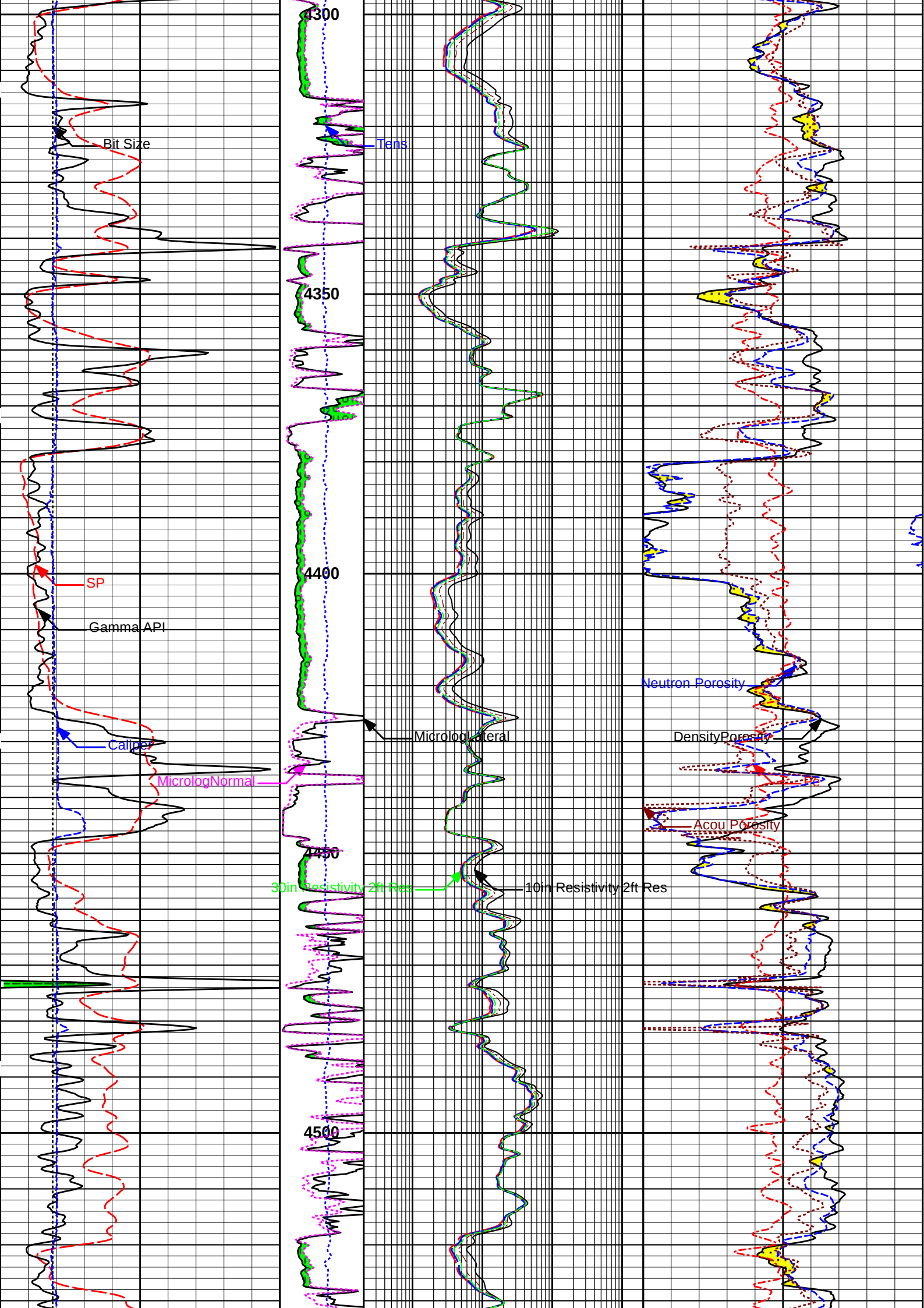
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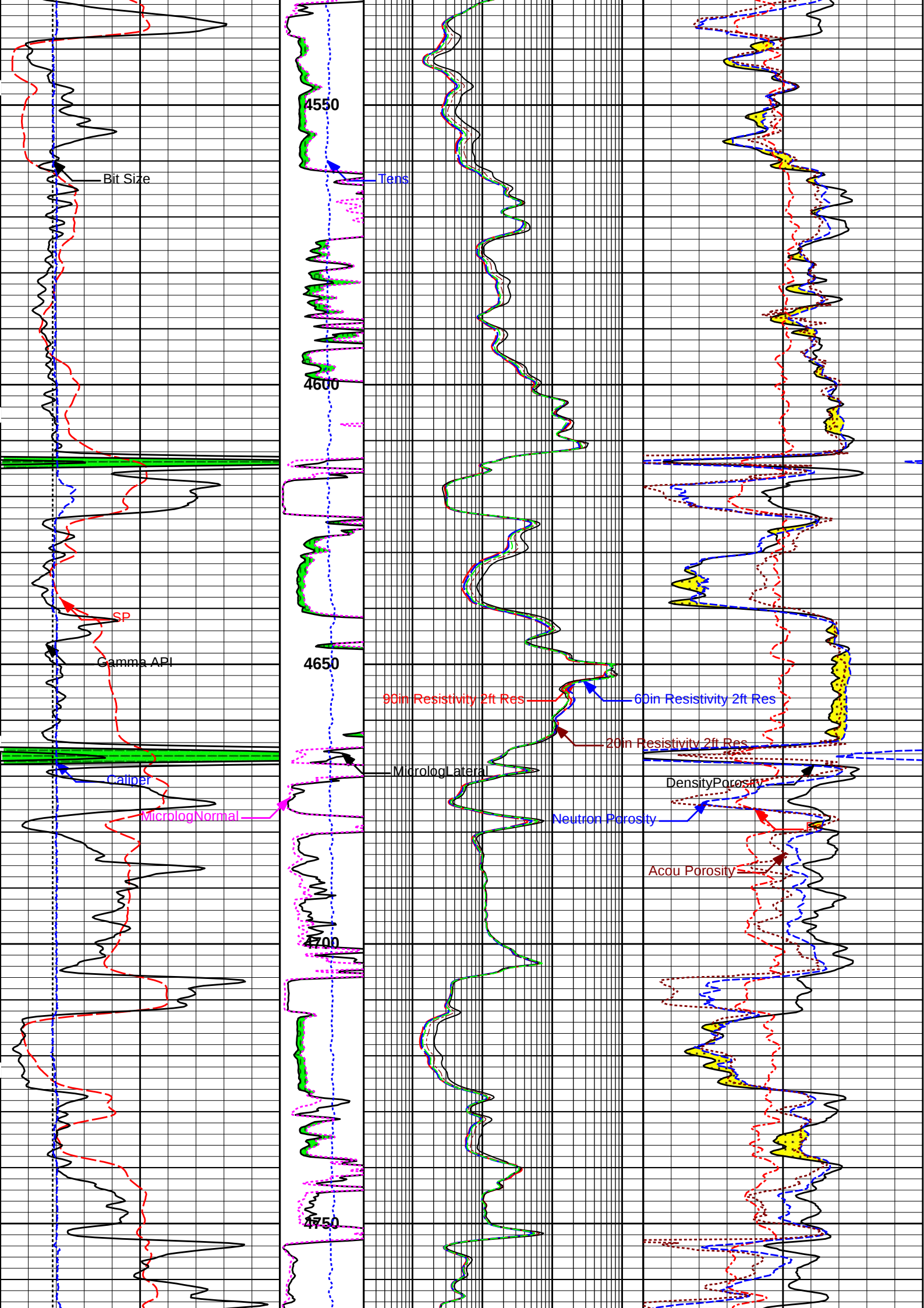
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Plot Range: 3995 ft to 5665.42 ft
Data: BATMAN_B4\Well Based\DETAILS\
Plot File: \\QC\QC_5_MAIN

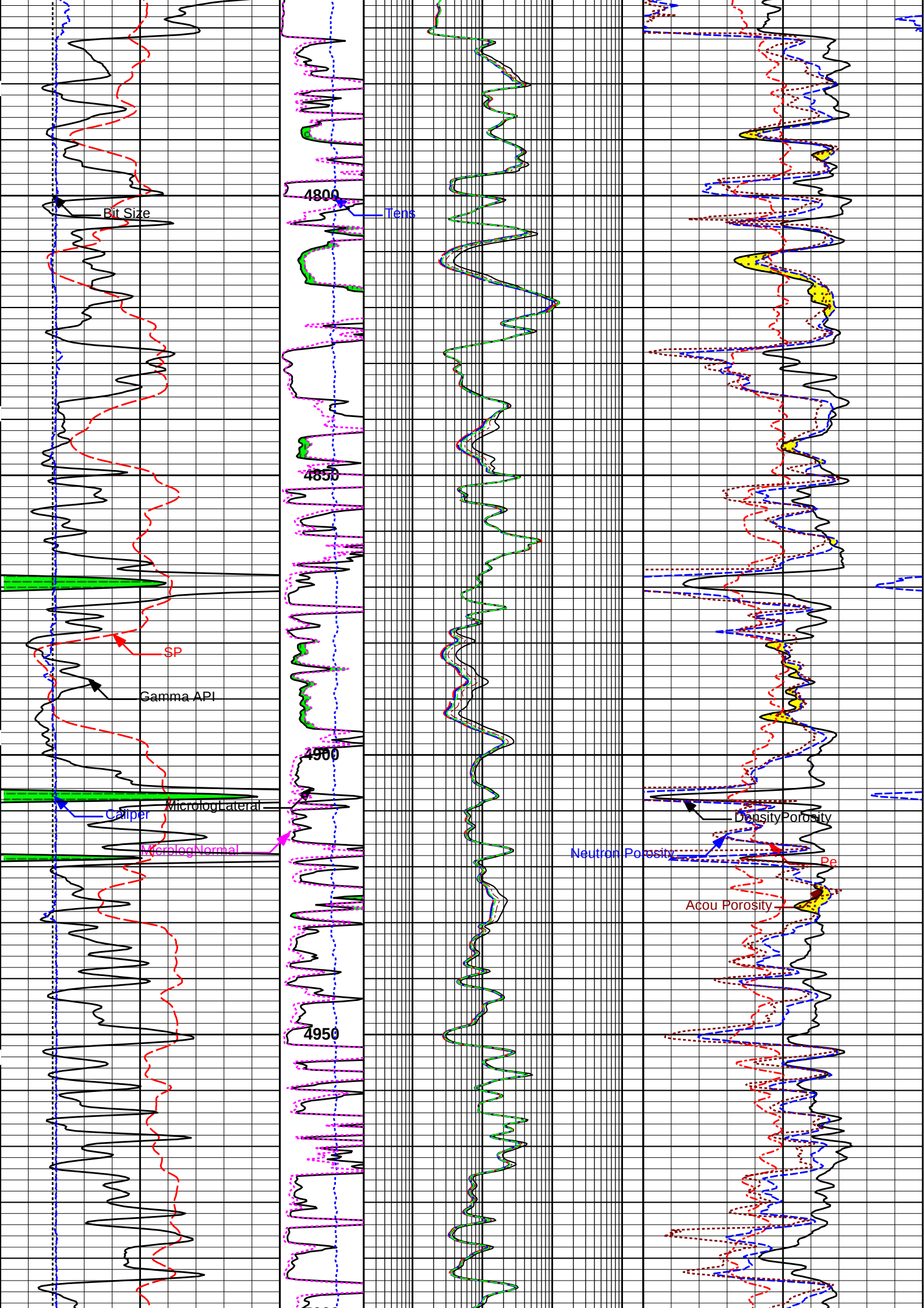
5 INCH MAIN LOG

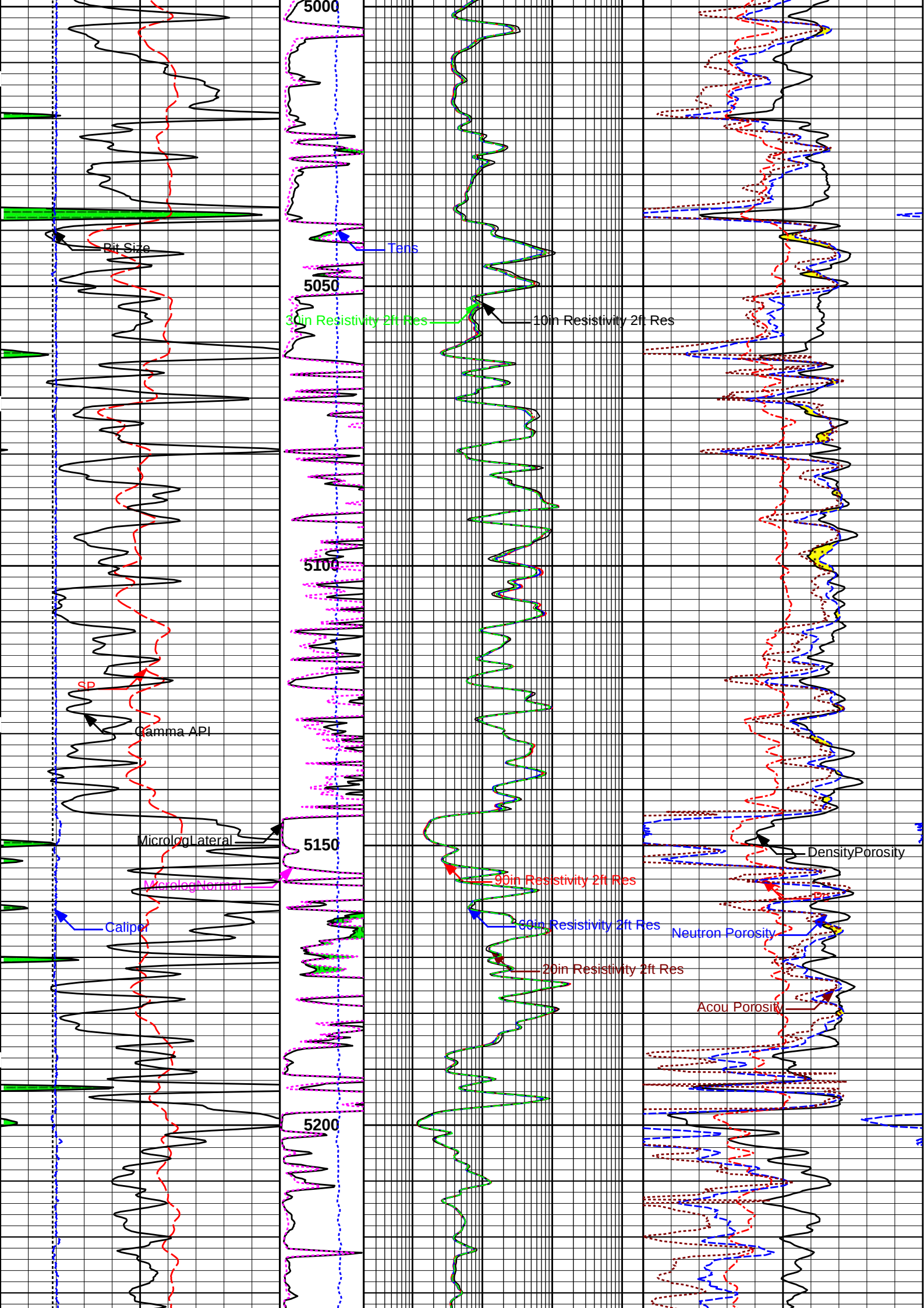


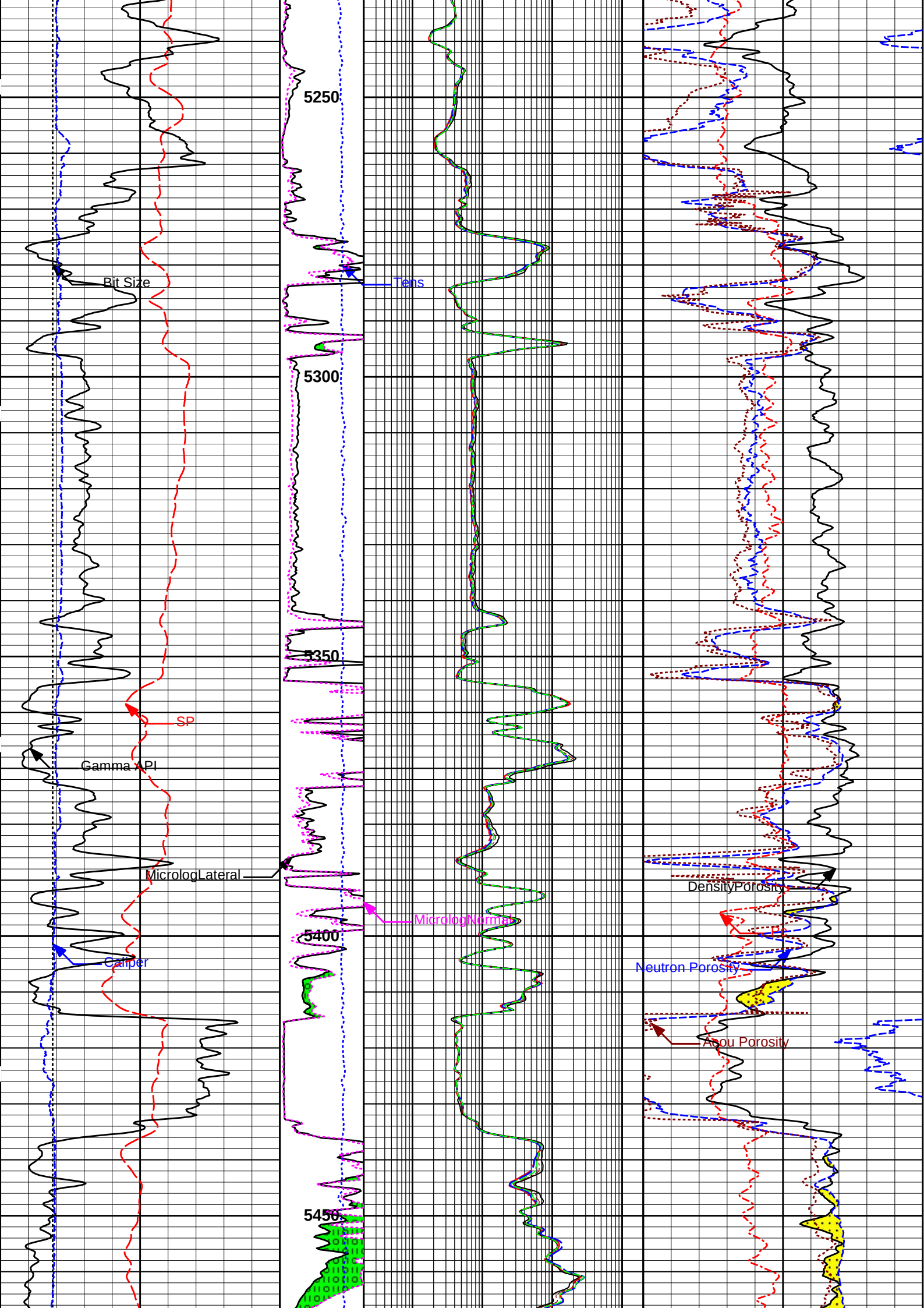


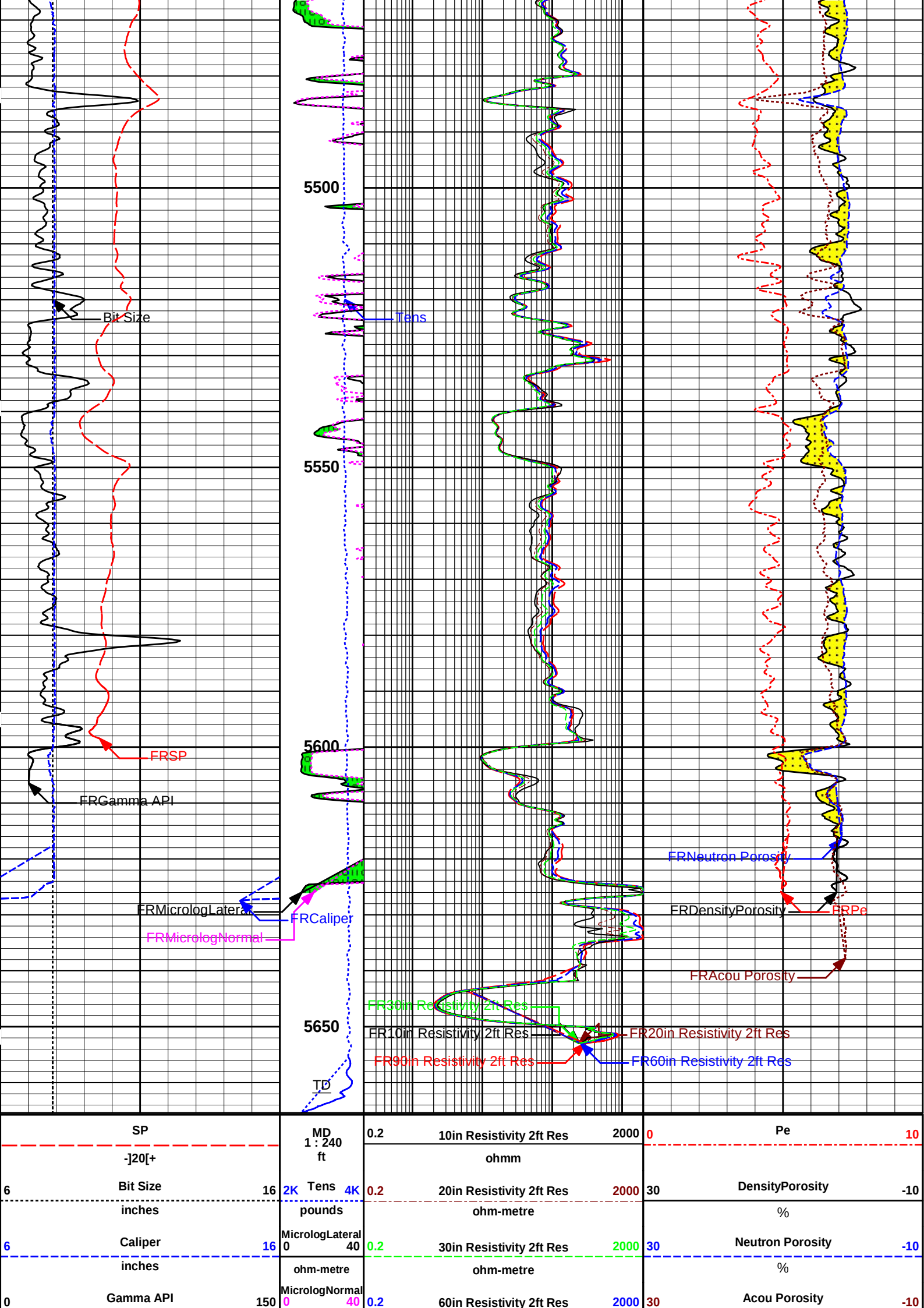












api	ohm-metre	ohm-metre	%
SHALE		0.2 90in Resistivity 2ft Res 2000 ohm-metre	

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5 INCH MAIN LOG

COMPANY	MERIT ENERGY COMPANY		
WELL	BATMAN B4		
FIELD	SANTA FE NORTH		
COUNTY	HASKELL	STATE	KANSAS
HALLIBURTON		QUAD COMBO	