

**HALLIBURTON**

**SPECTRAL DENSITY  
DUAL SPACED NEUTRON  
ARRAY COMPENSATED  
TRUE RESISTIVITY**

COMPANY		AXIA ENERGY LCC	
WELL		KIMBALL CREEK #14-406D-995	
FIELD		BUZZARD	
COUNTY		MESA	
STATE		CO	
COMPANY		AXIA ENERGY LCC	
WELL		KIMBALL CREEK #14-406D-995	
FIELD		BUZZARD	
COUNTY		MESA	
STATE		CO	
API No.		05077101240000	
Location		SHL: 1686' FNL & 347' FEL SENE SEC. 14, T-9S, R-95W	
Other Services:		RWCH	
Sect. 14		Twp. 9 S	
Rge. 95 W			
Permanent Datum		GL	
Log measured from		KB	
Drilling measured from		KB	
Date		19-Jan-11	
Run No.		ONE	
Depth - Driller		7325.00 ft	
Depth - Logger		7309.0 ft	
Bottom - Logged Interval		7300.0 ft	
Top - Logged Interval		1950.0 ft	
Casing - Driller		8.625 in @ 1957.0 ft	
Casing - Logger		1950.0 ft	
Bit Size		7.875 in @	
Type Fluid in Hole		WBM	
Density		9.4 ppg	
Viscosity		45.00 s/qt	
PH		9.40 pH	
Fluid Loss		8.8 cpm	
Source of Sample		MUD TANK	
Rm @ Meas. Temperature		2.510 ohmm @ 60.60 degF	
Rmf @ Meas. Temperature		1.84 ohmm @ 75.00 degF	
Rmc @ Meas. Temperature		1.726 ohmm @ 75.00 degF	
Source Rmf		CHART	
Rmc		CHART	
Rm @ BHT		0.88 ohmm @ 186.0 degF	
Time Since Circulation		4.0 hr	
Time on Bottom		19-Jan-11 19:56	
Max. Rec. Temperature		186.0 degF @	
Equipment		11014853	
Location		G.J., CO	
Recorded By		W. MATSON	
Witnessed By		KENNY CRUTH	

Fold here

Service Ticket No.: 7913276				API Serial No.: 05077101240000				PGM Version: WL INSITE R3.2.1 (Build 7)							
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.	
Rmf @ Meas. Temp.		@		@				ONE		ACRT 9019051E		N/A		1.5" S.O.	
Rmc @ Meas. Temp.		@		@						E9775					
Source Rmf		Rmc													
Rm @ BHT		@		@											
Rmf @ BHT		@		@											
Rmc @ BHT		@		@											
EQUIPMENT DATA															
GAMMA				ACOUSTIC				DENSITY				NEUTRON			
Run No.		ONE		Run No.				Run No.		ONE		Run No.		ONE	
Serial No.		11004661		Serial No.				Serial No.		10951300		Serial No.		10993887	
Model No.		GTET		Model No.				Model No.		SDLT		Model No.		DSNT	
Diameter		3.625"		No. of Cent.				Diameter		4.5"		Diameter		3.625"	
Detector Model No.		102A		Spacing				Log Type		GAMMA/GAMMA		Log Type		THERM/THERM	
Type		SCINT						Source Type		Cs-137		Source Type		Am241Be	
Length		8"		LSA [Y/N]				Serial No.		5153 GW		Serial No.		DSN-388	
Distance to Source		11'		FWDA [Y/N ]				Strength		1.5 Ci		Strength		15 Ci	

LOGGING DATA

GENERAL				GAMMA				ACOUSTIC				DENSITY				NEUTRON			
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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	9.400	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	2.350	ohmm
	SHARED	TRM	Temperature of Mud	60.2	degF
	SHARED	CSD	Logging Interval is Cased?	No	
	SHARED	ICOD	AHV Casing OD	4.500	in
	SHARED	ST	Surface Temperature	75.0	degF
	SHARED	TD	Total Well Depth	7325.00	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	
	SHARED	BHSM	Borehole Size Master Tool	NONE	
	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	Centered	
	BSNT	BNOK	Process BSN?	Yes	

DSNT	DNOK	Process DSN?	Yes	
DSNT	DEOK	Process DSN EVR?	No	
DSNT	NLIT	Neutron Lithology	Sandstone	
DSNT	DSNO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.000	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	DNOK	Process Density?	Yes	
SDLT	DNOK	Process Density EVR?	No	
SDLT	CB	Logging Calibration Blocks?	No	
SDLT	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT	DTWN	Disable temperature warning	No	
SDLT	DMA	Formation Density Matrix	2.680	g/cc
SDLT	DFL	Formation Density Fluid	1.000	g/cc
SDLT	CLOK	Process Caliper Outputs?	Yes	
SDLT	MLOK	Process MicroLog Outputs?	Yes	
ACRt	RTOK	Process ACRt?	Yes	
ACRt	MNSO	Minimum Tool Standoff	1.50	in
ACRt	TCS1	Temperature Correction Source	FP Lwr & FP Up	
ACRt	TPOS	Tool Position	Free Hanging	
ACRt	RMOP	Rmud Source	Mud Cell	
ACRt	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt	RMIN	Maximum Resistivity for MAP	200.00	ohmm
ACRt	THQY	Threshold Quality	0.50	

BOTTOM

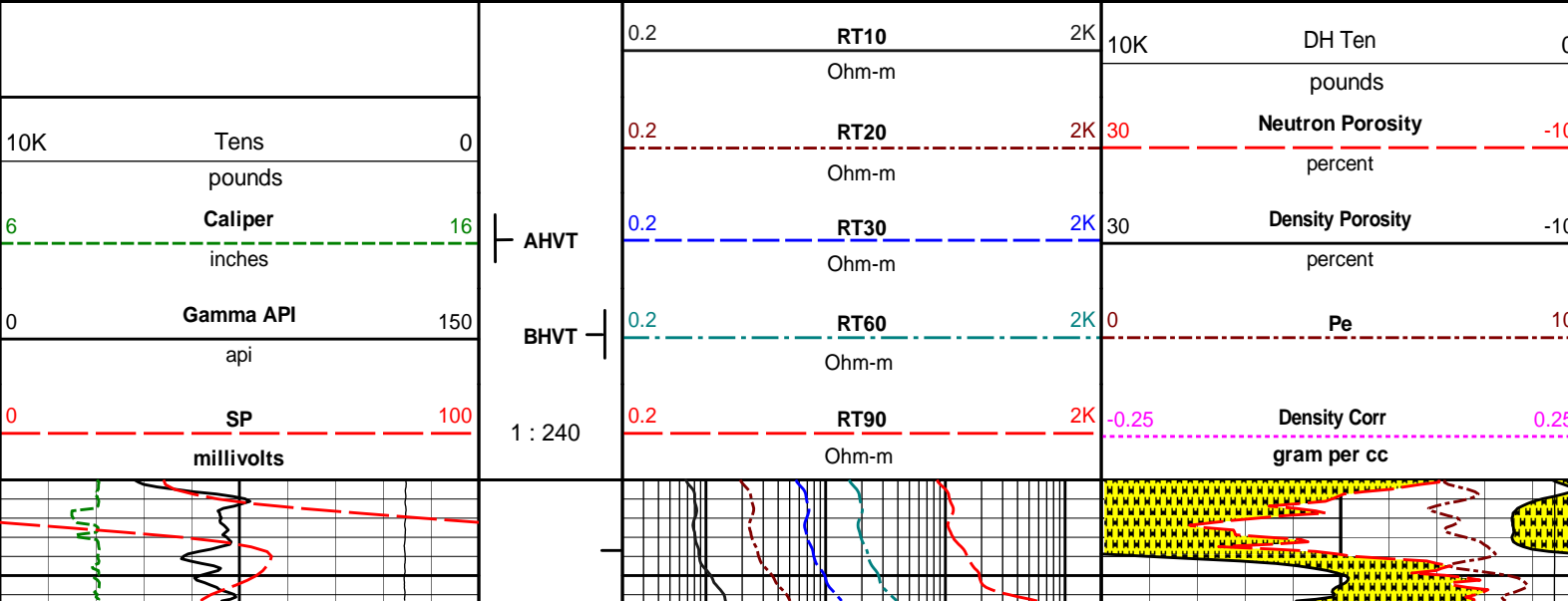
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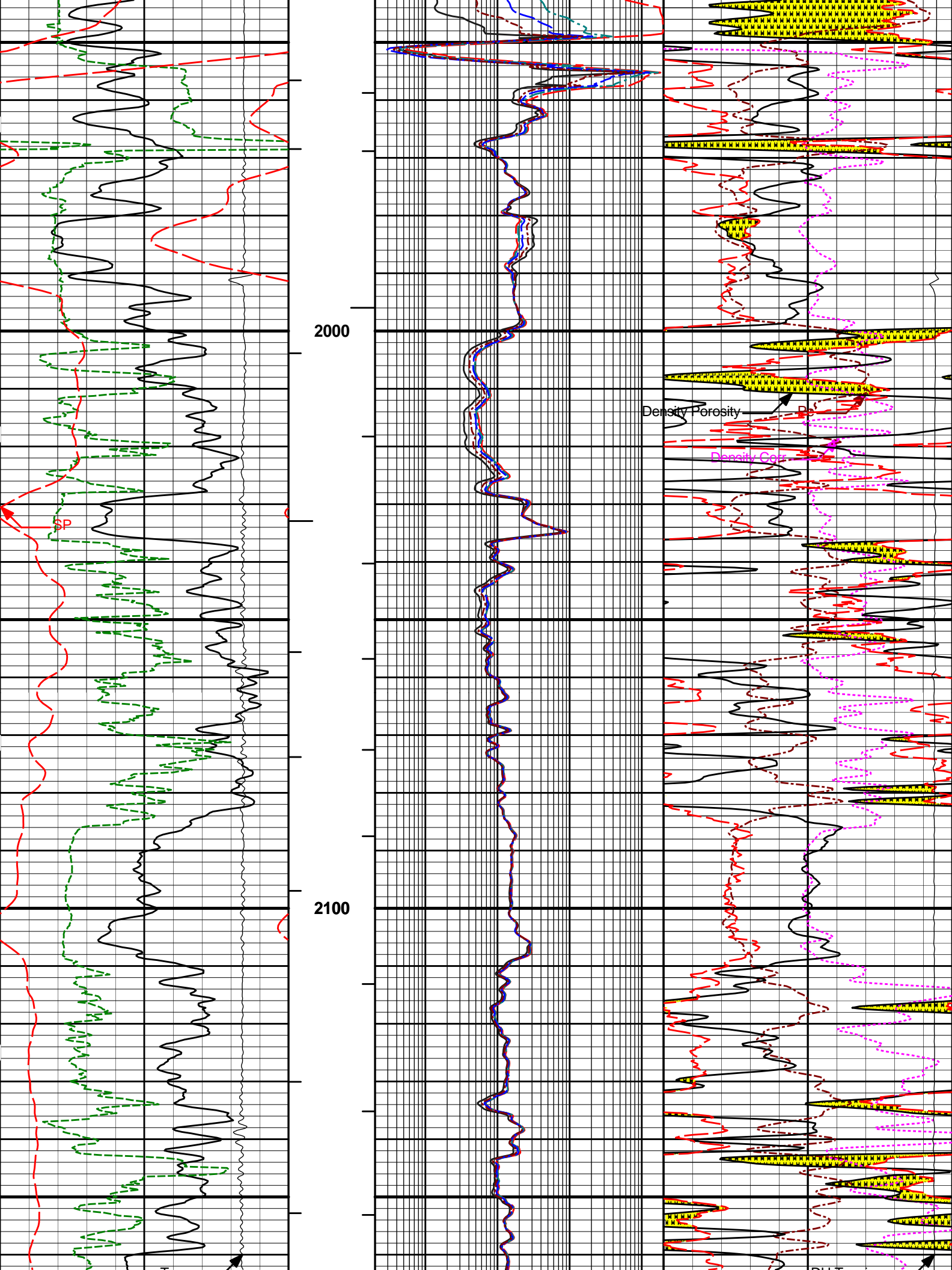
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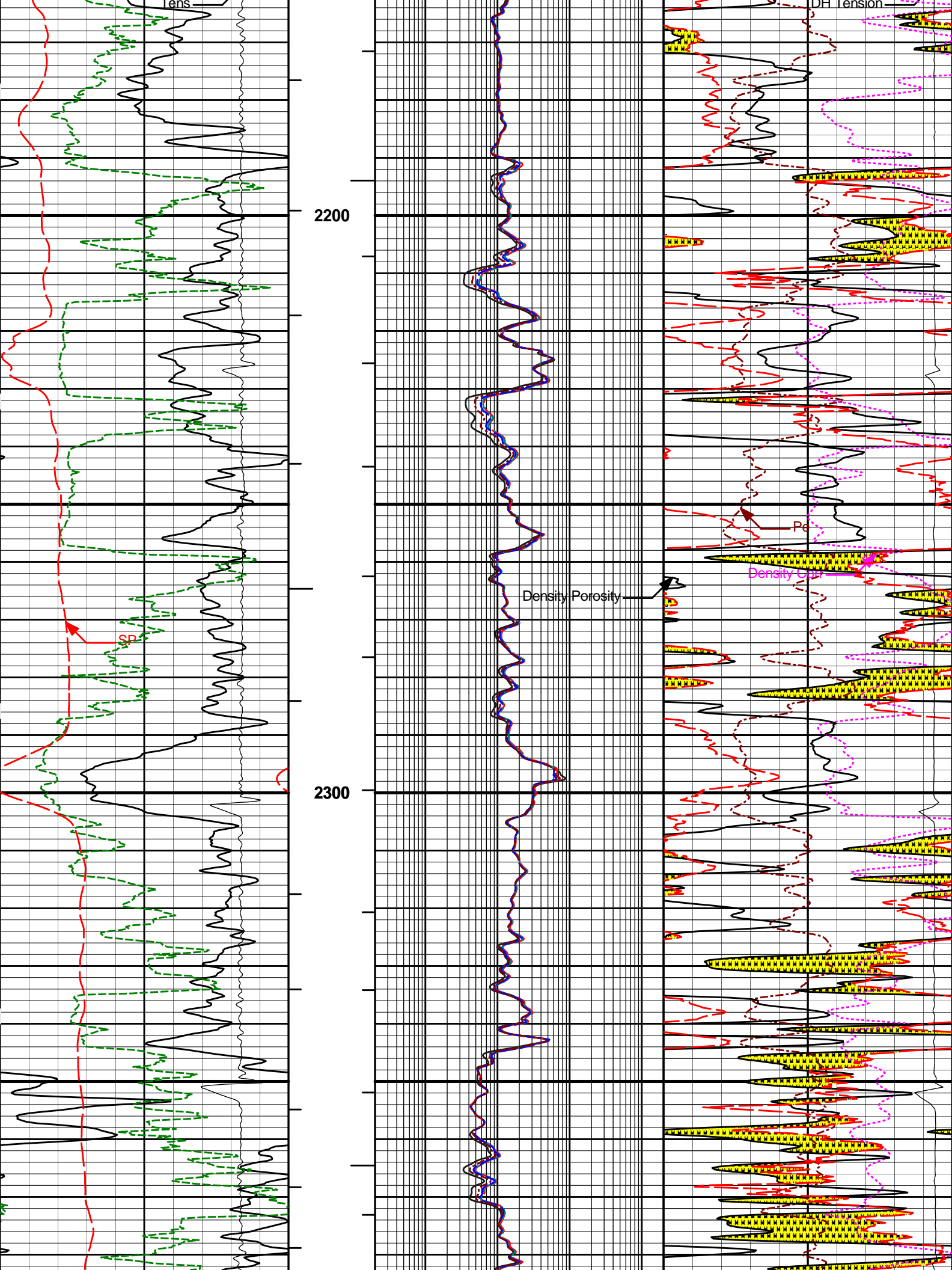
HALLIBURTON

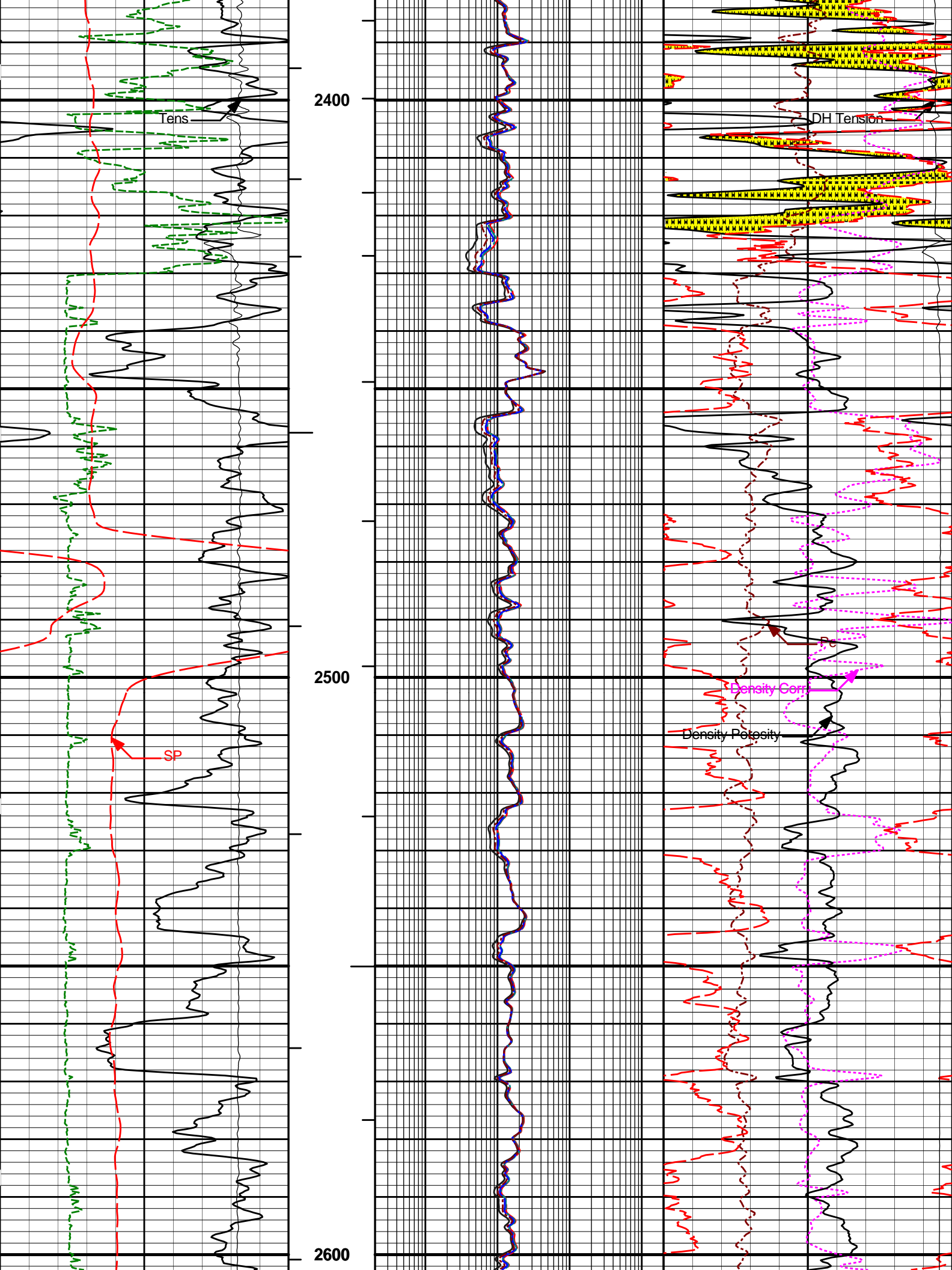
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Plot Range: 1930 ft to 7314.54 ft  
Data: AX\_KC\_14\Well Based\MAIN\*  
Plot File: \COMP\BP\_5IN\_COMP\_M

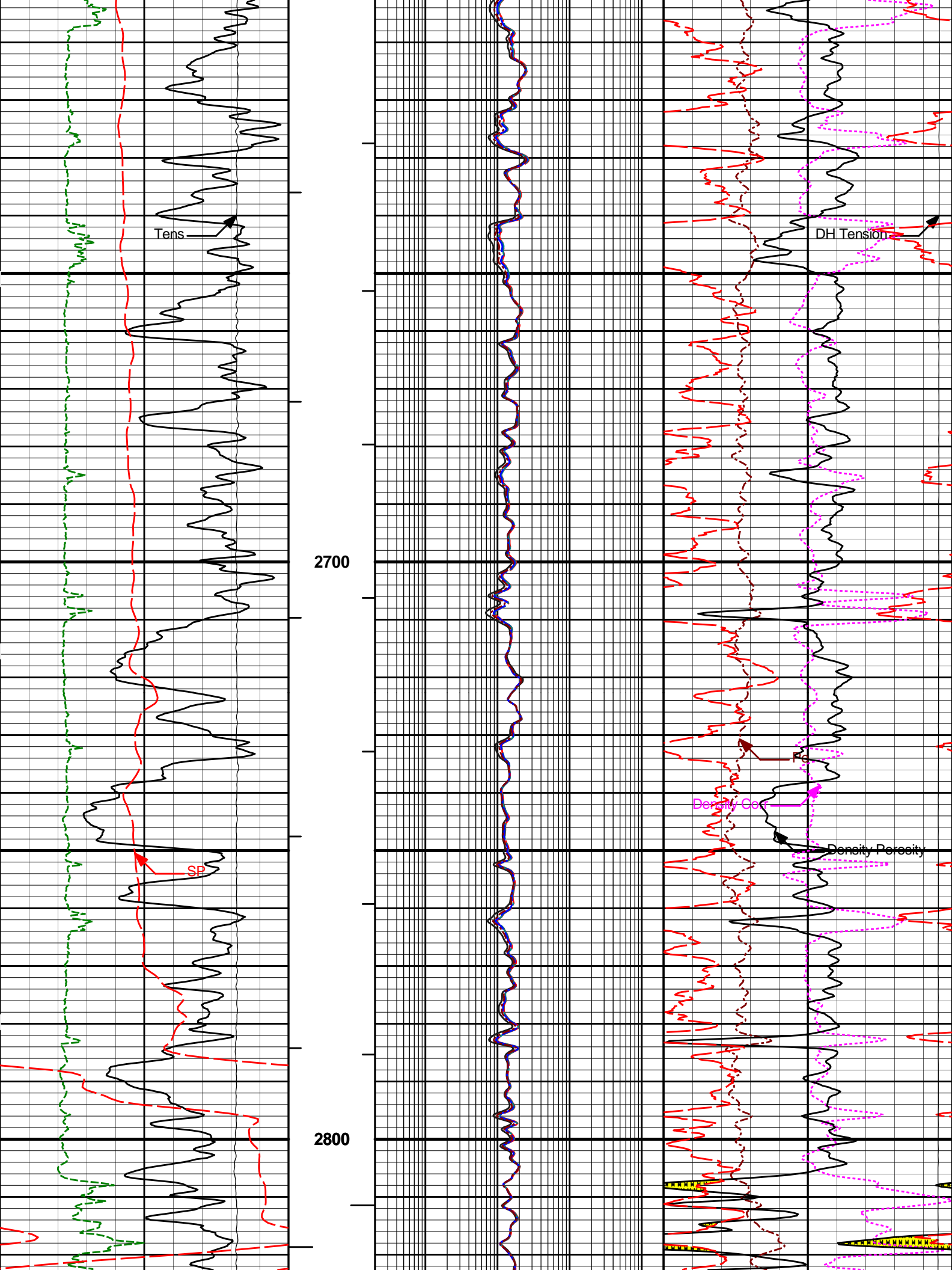
MAIN PASS 5" = 100'



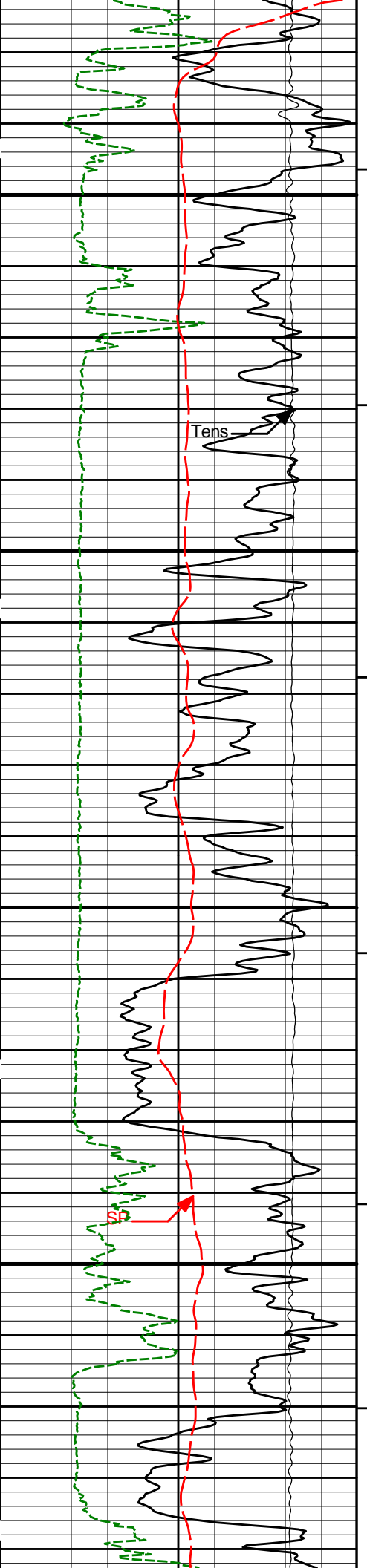






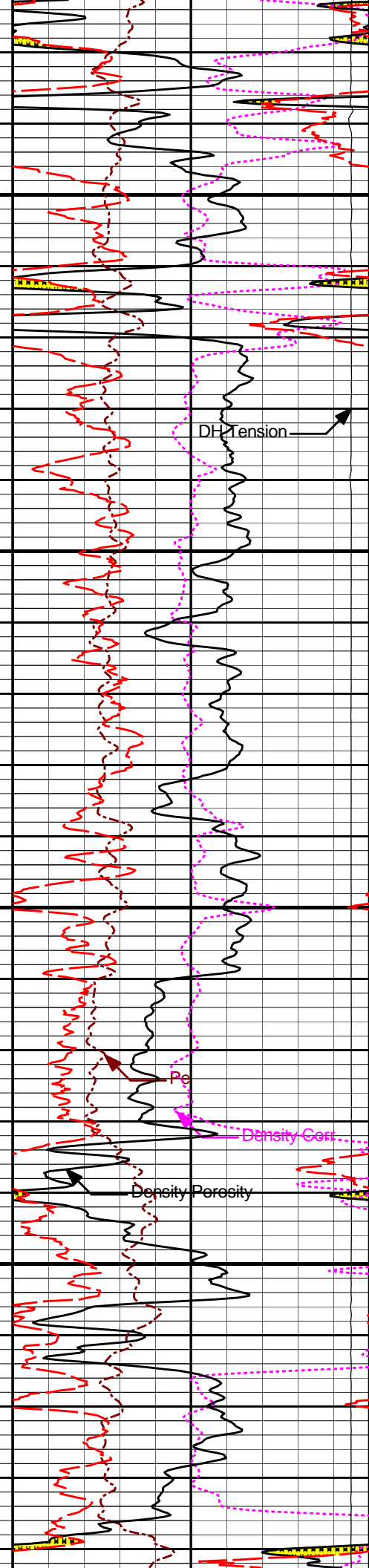
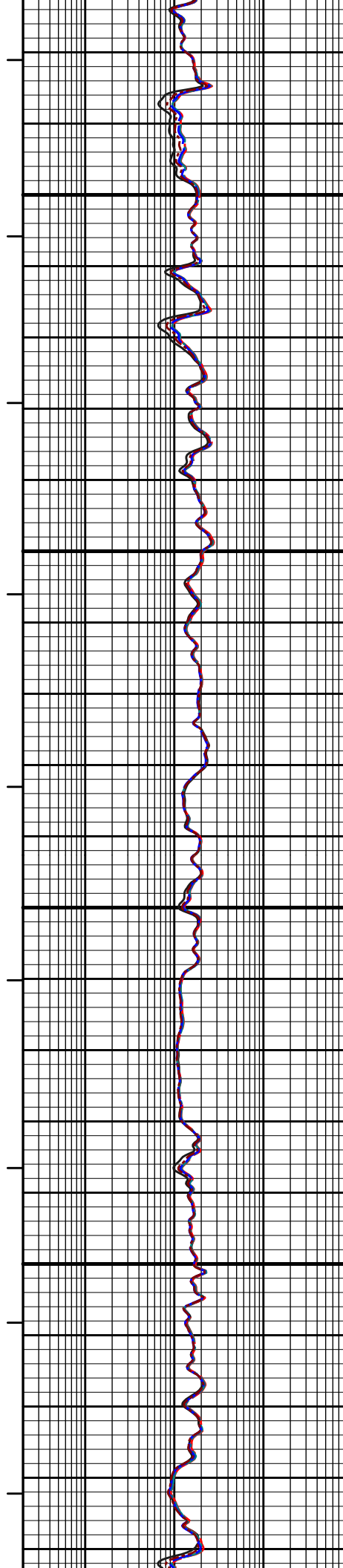




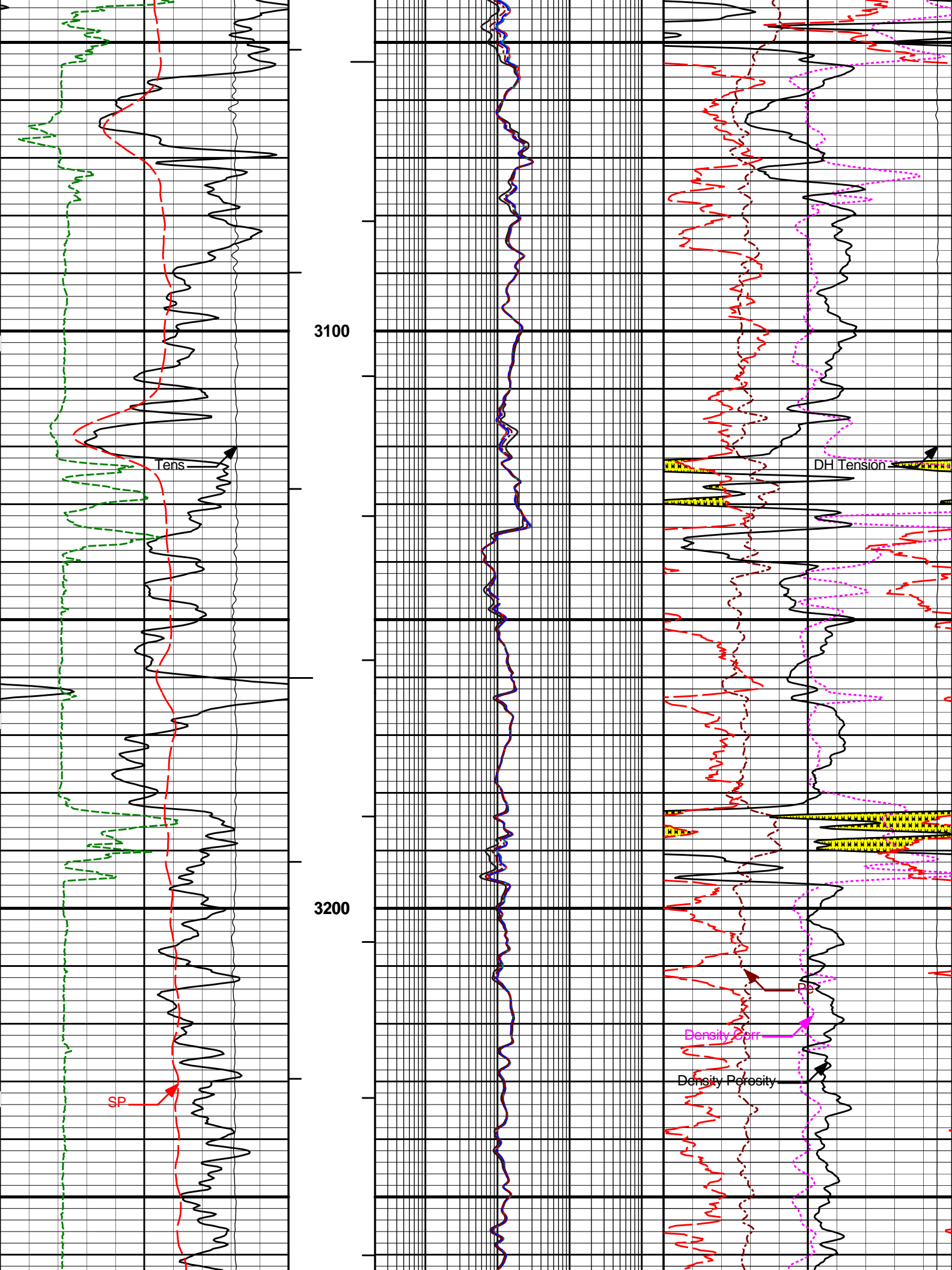


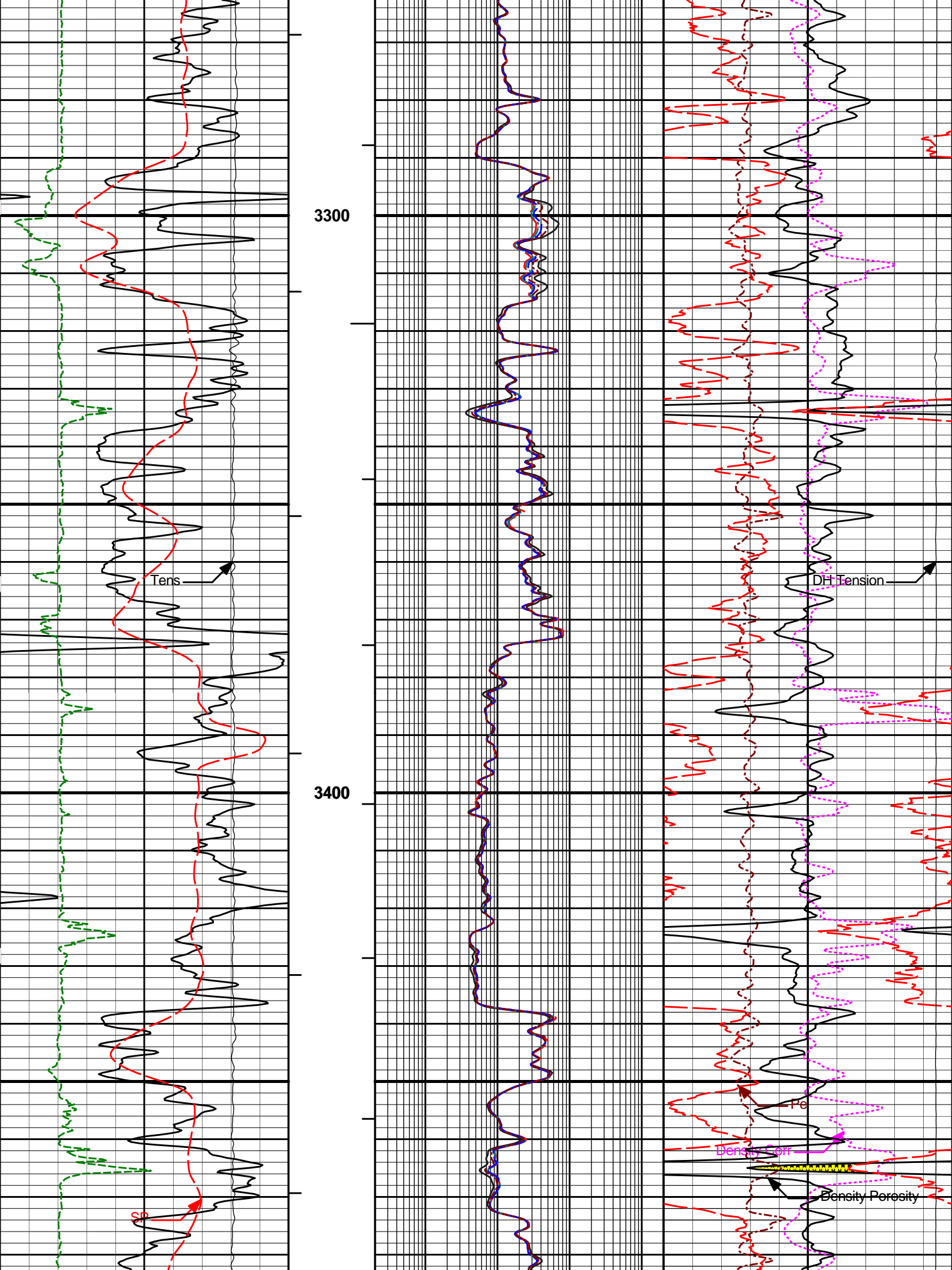
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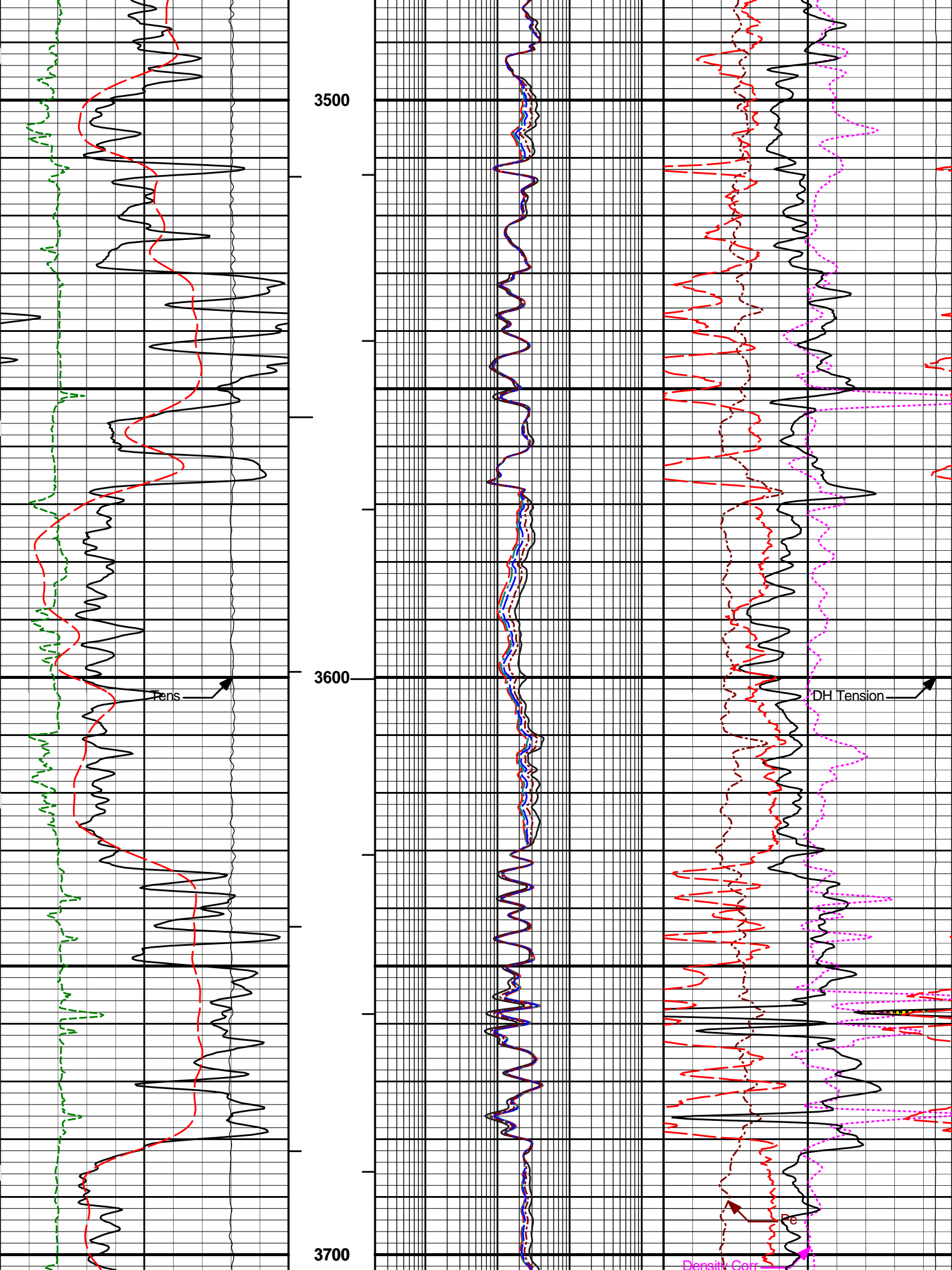
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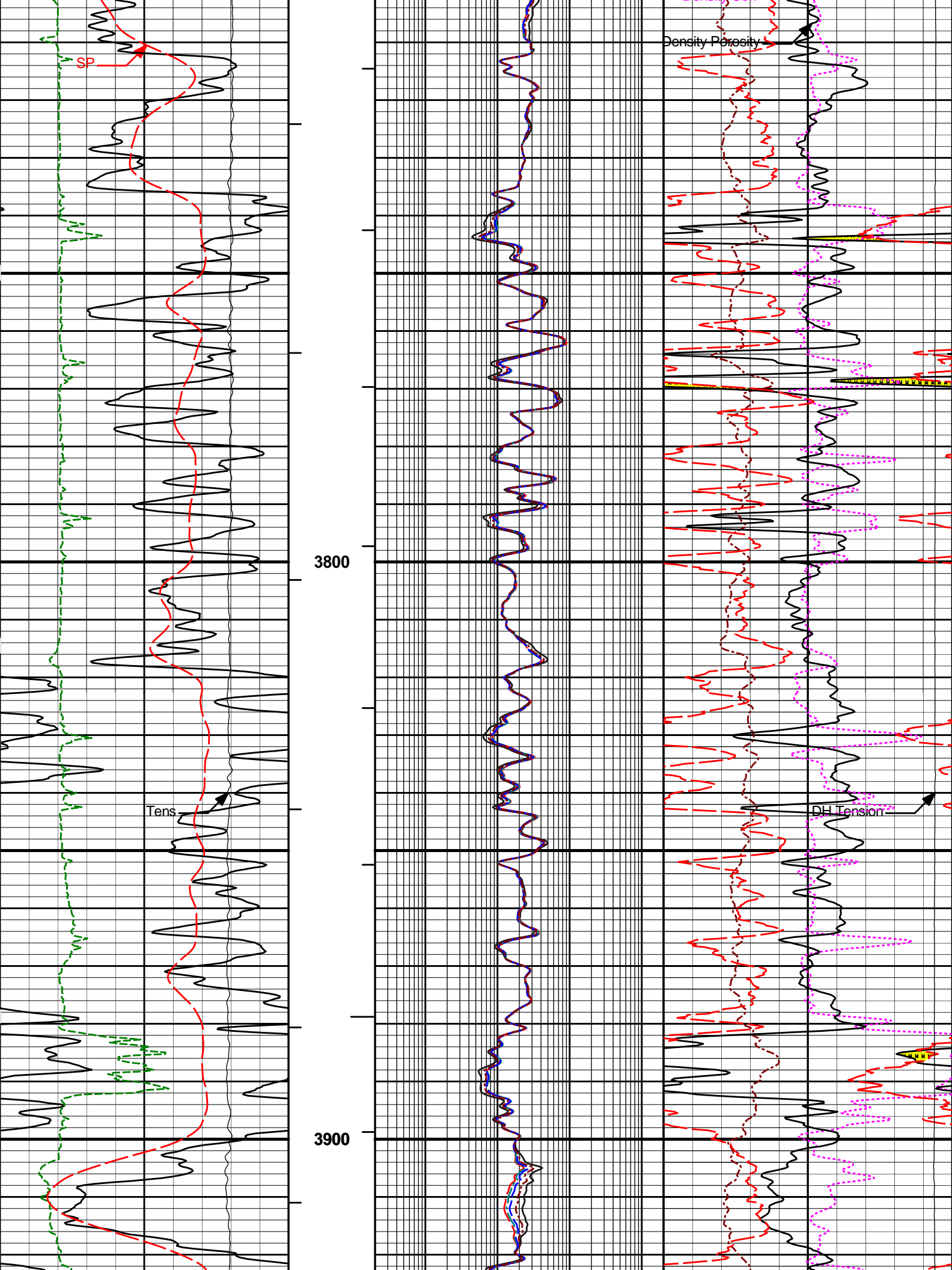


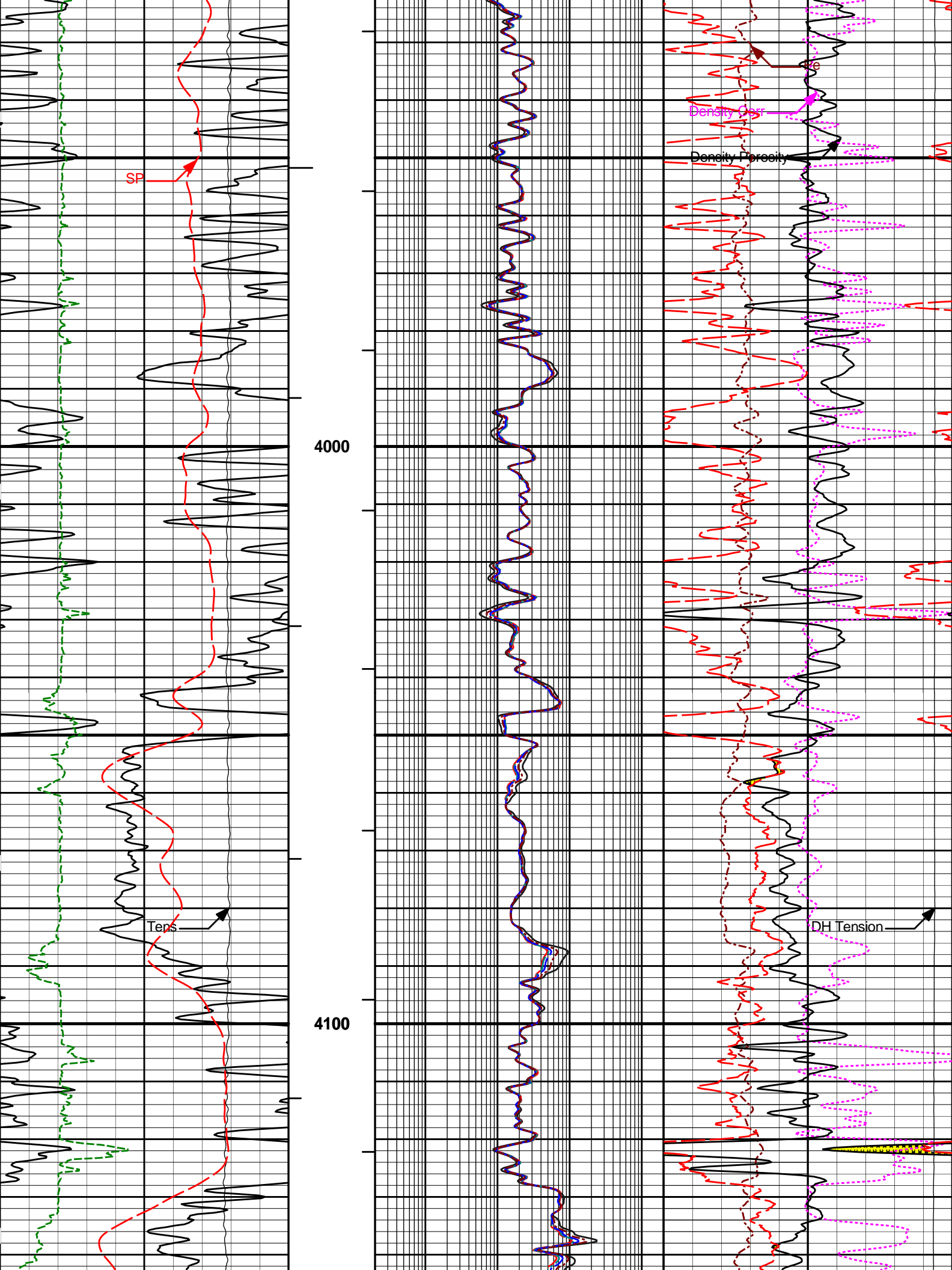


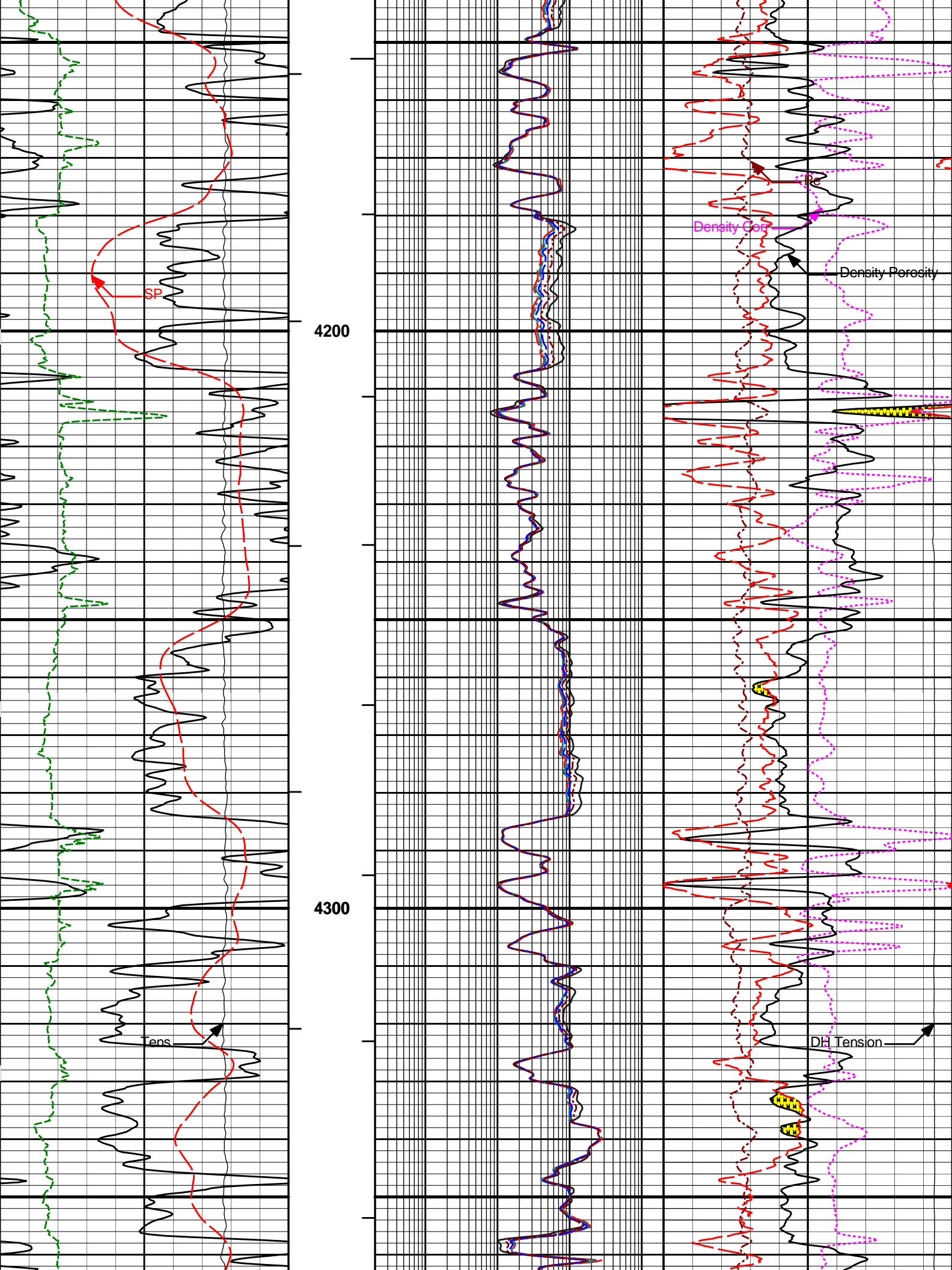




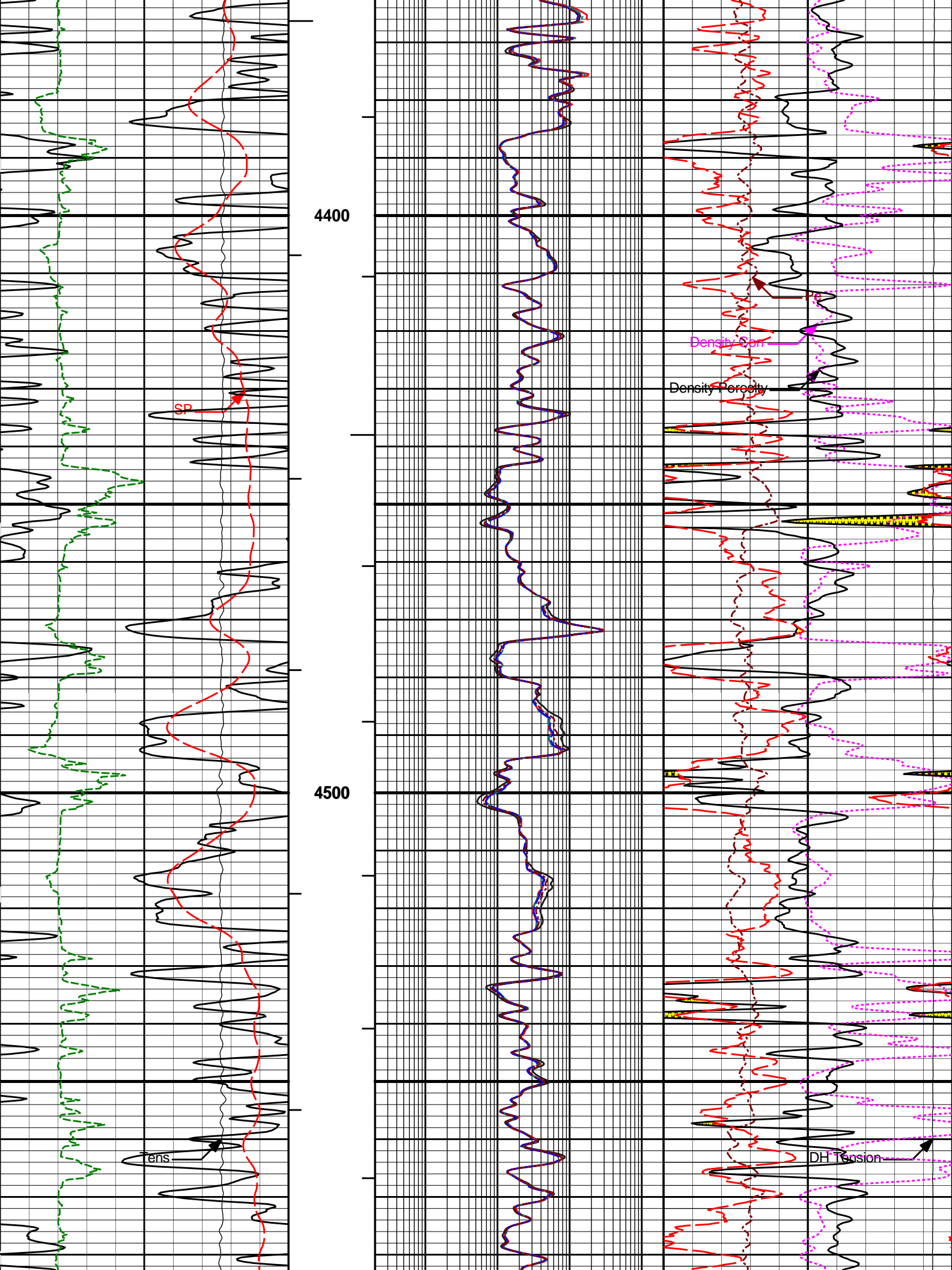




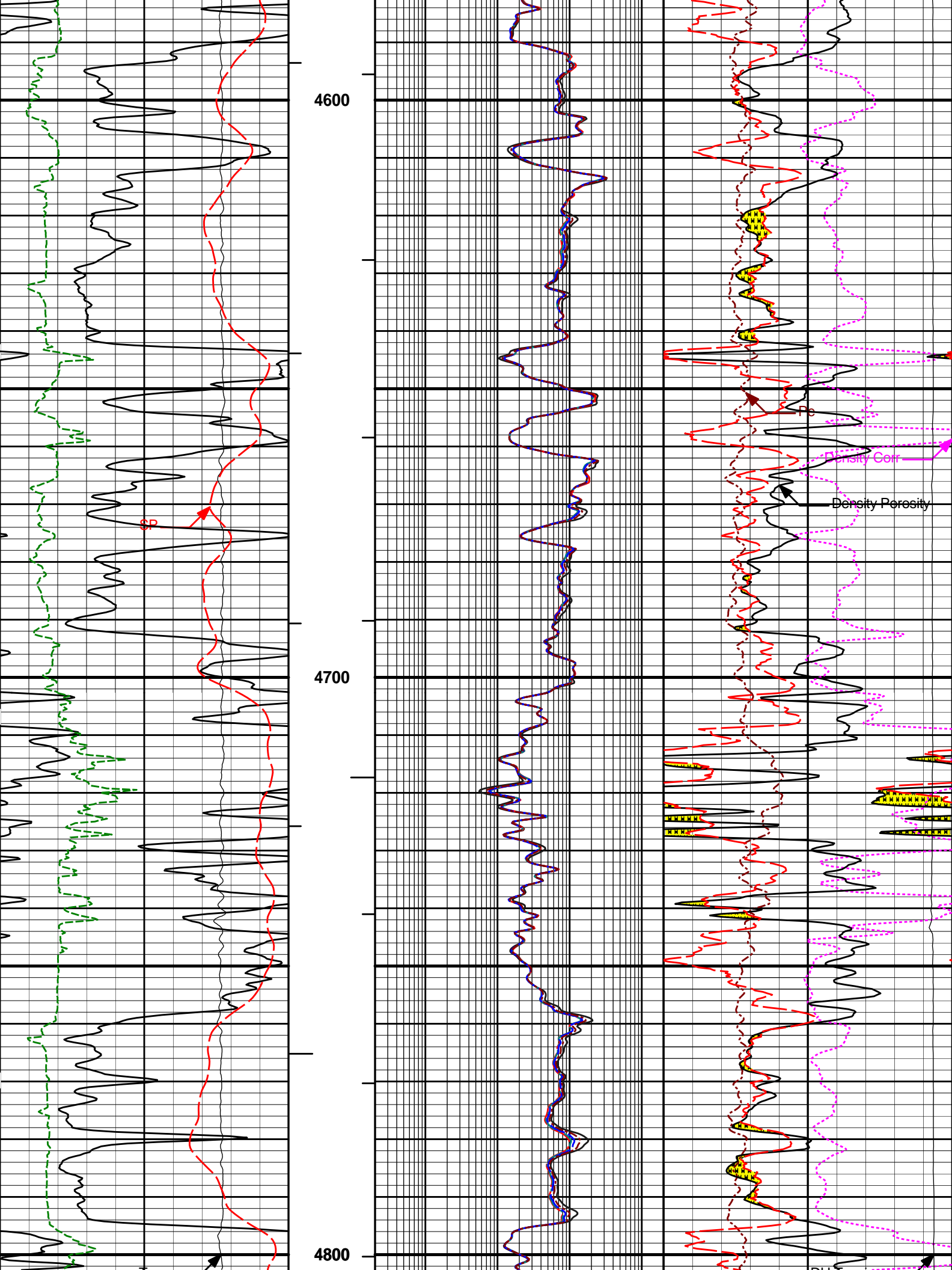


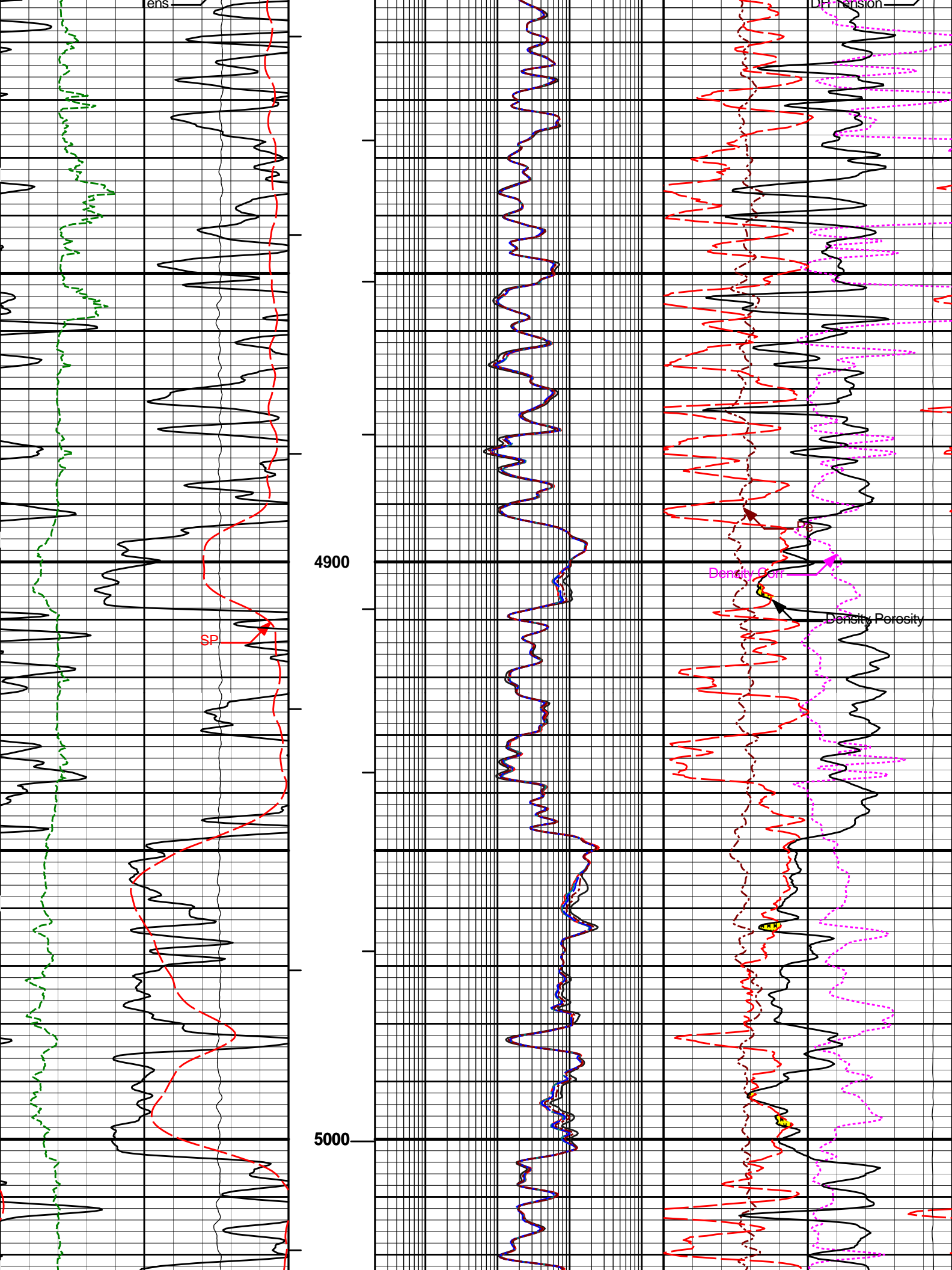


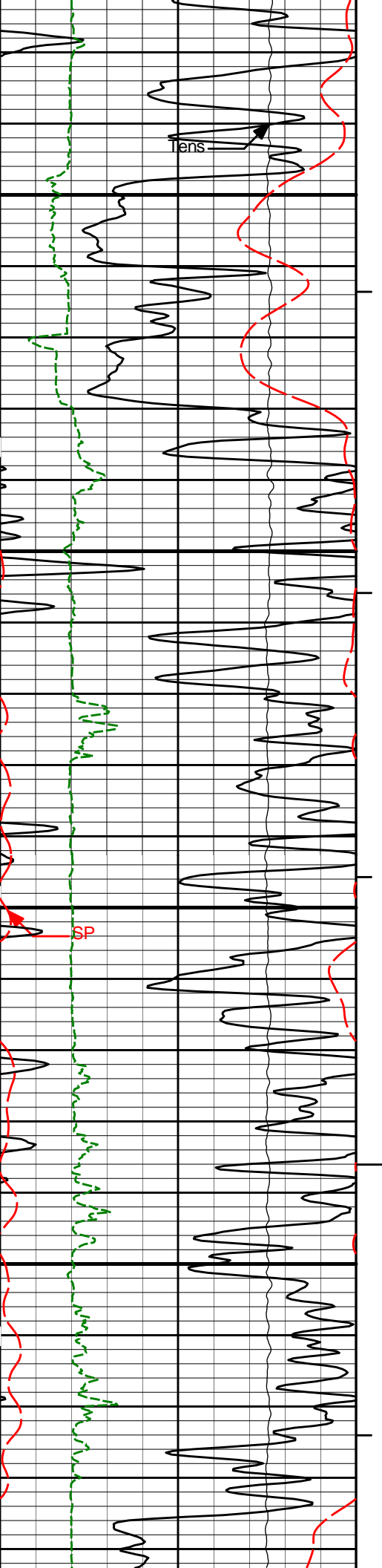






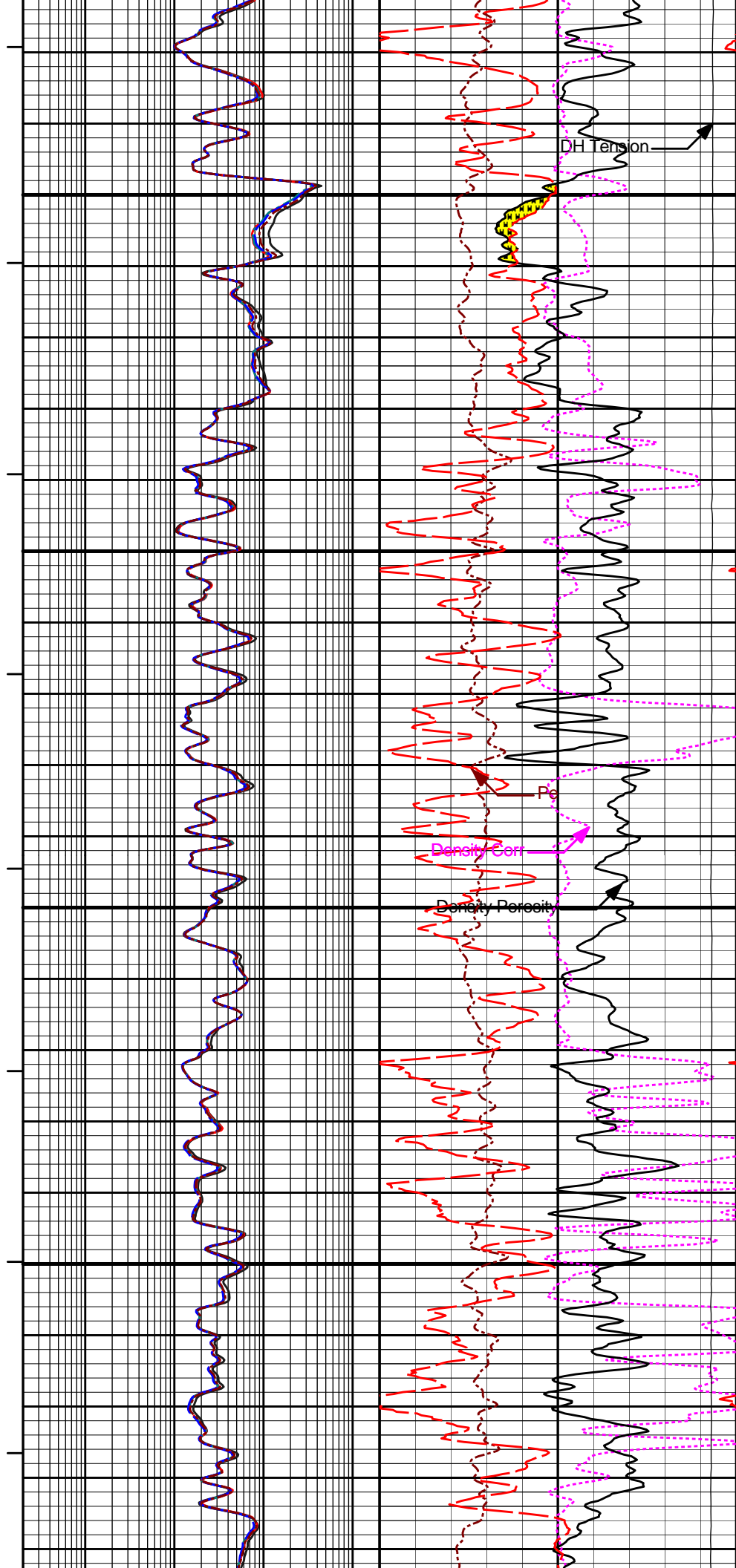


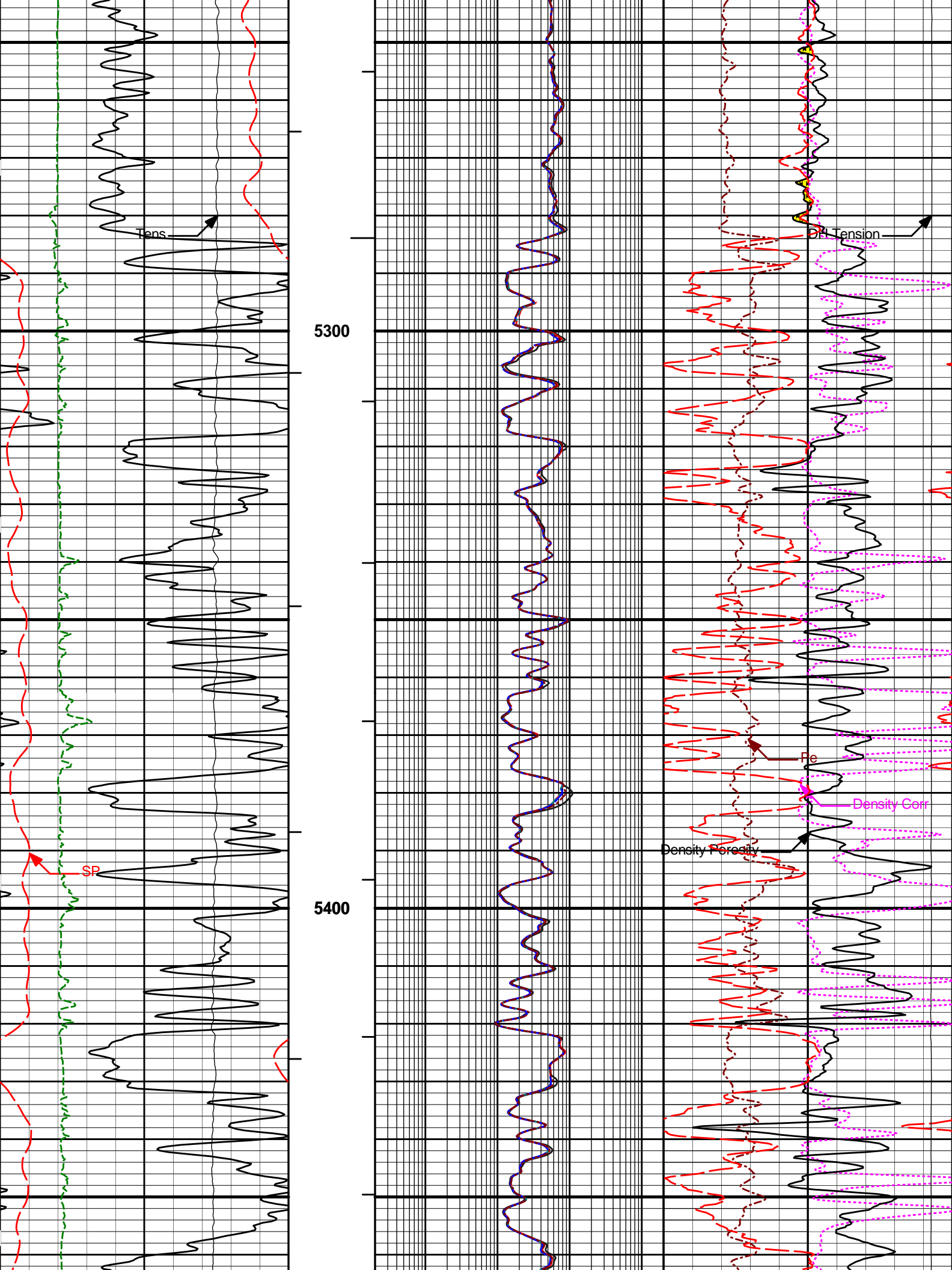


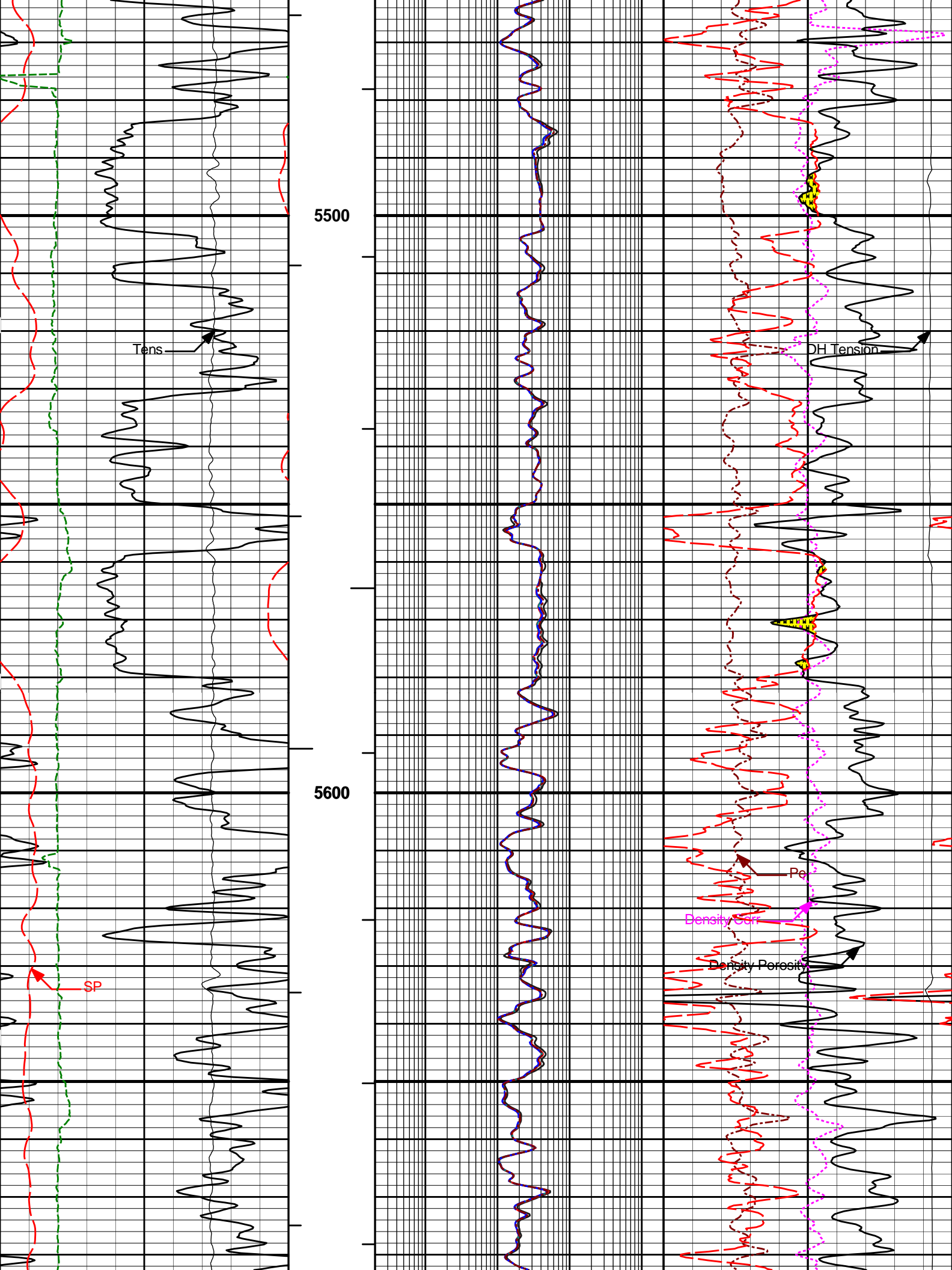


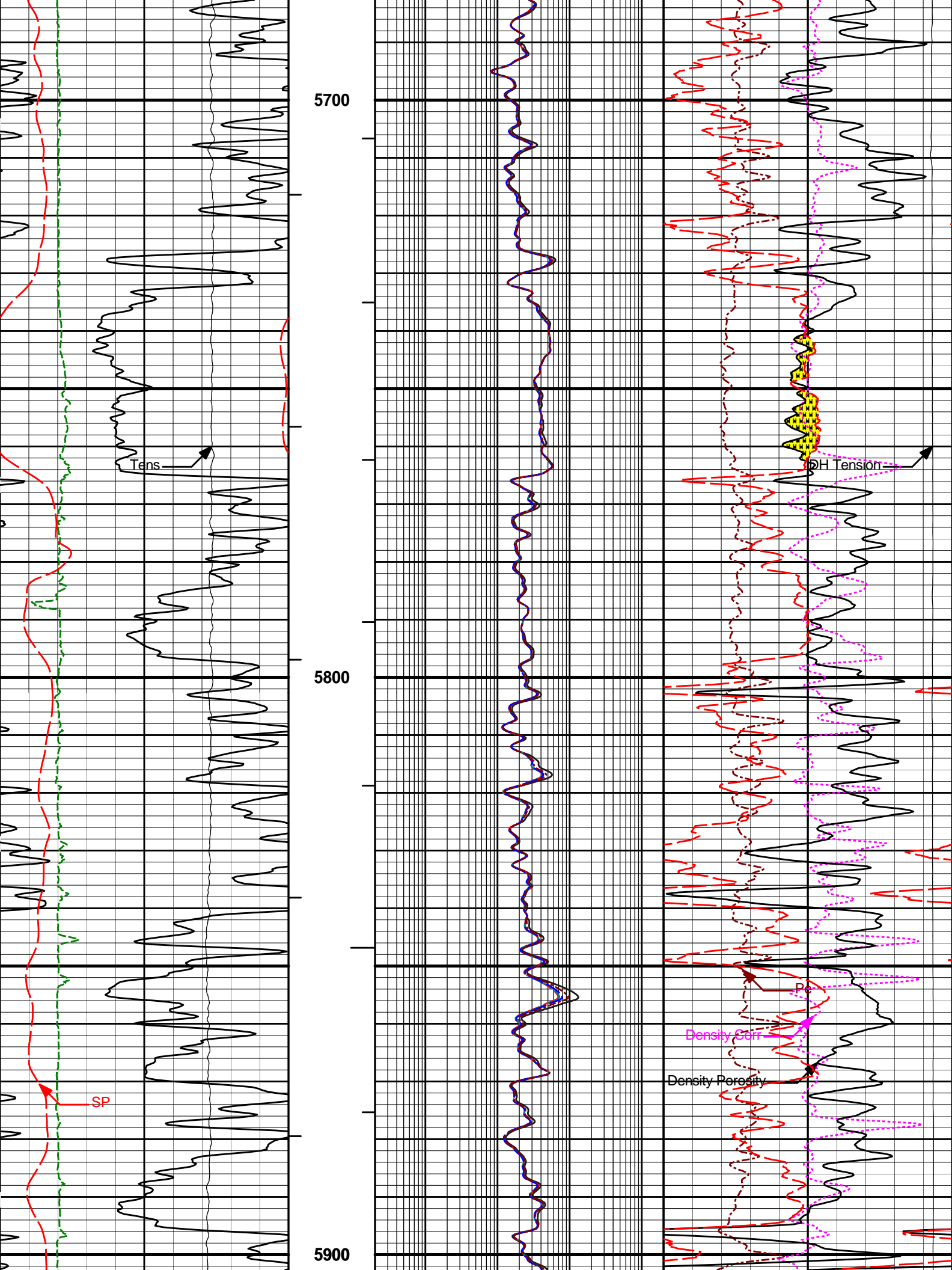
5100

5200

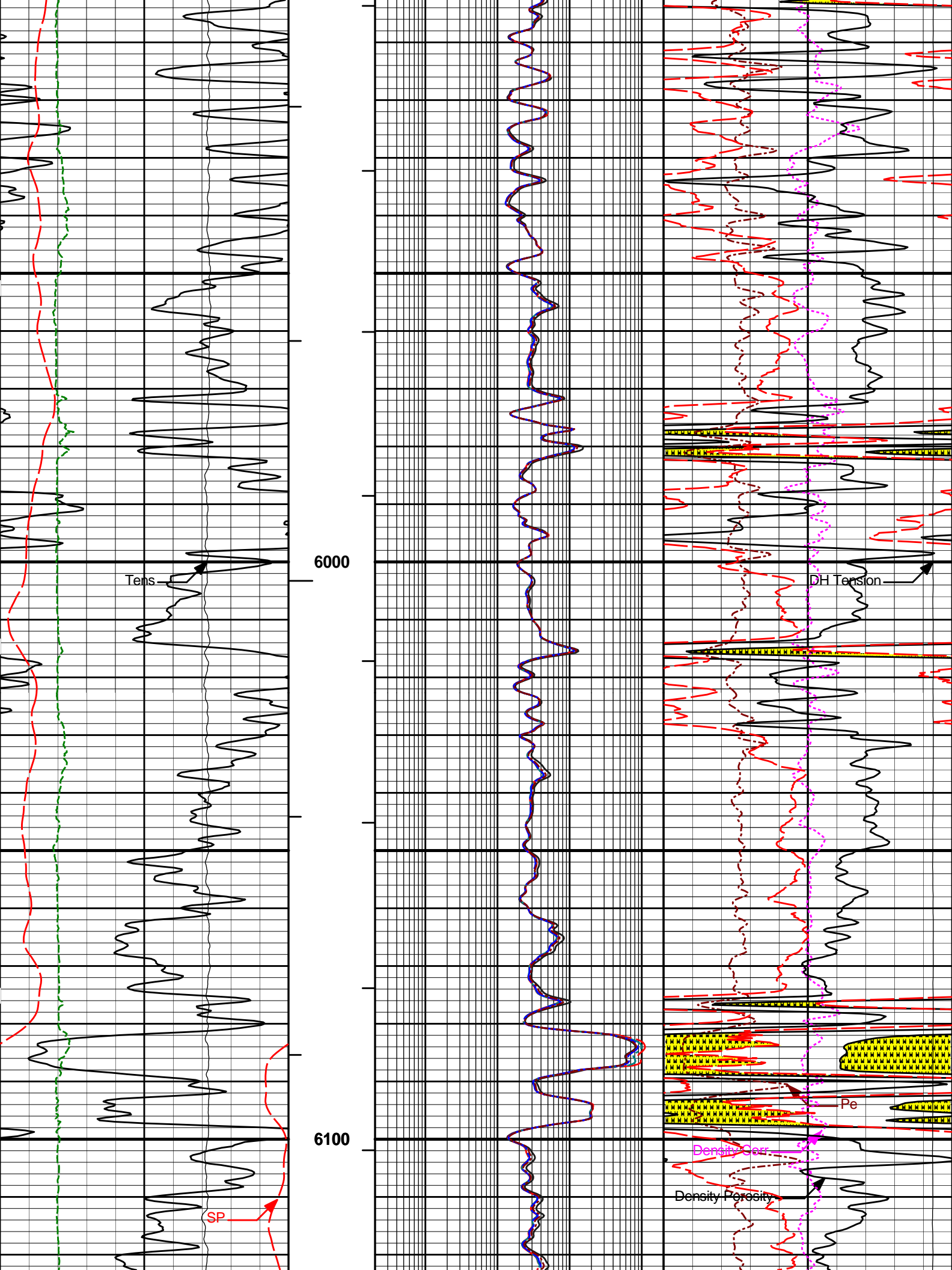




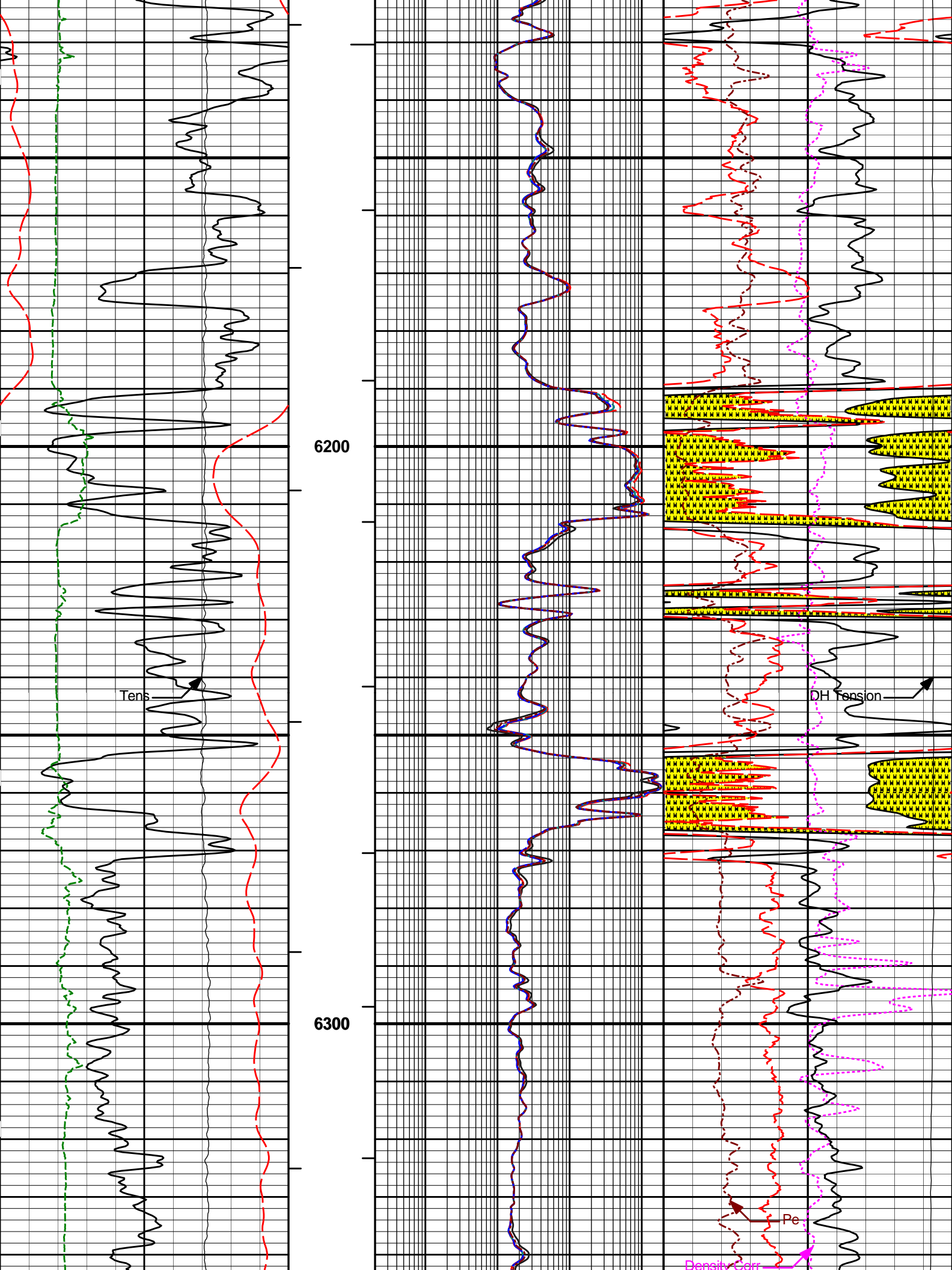


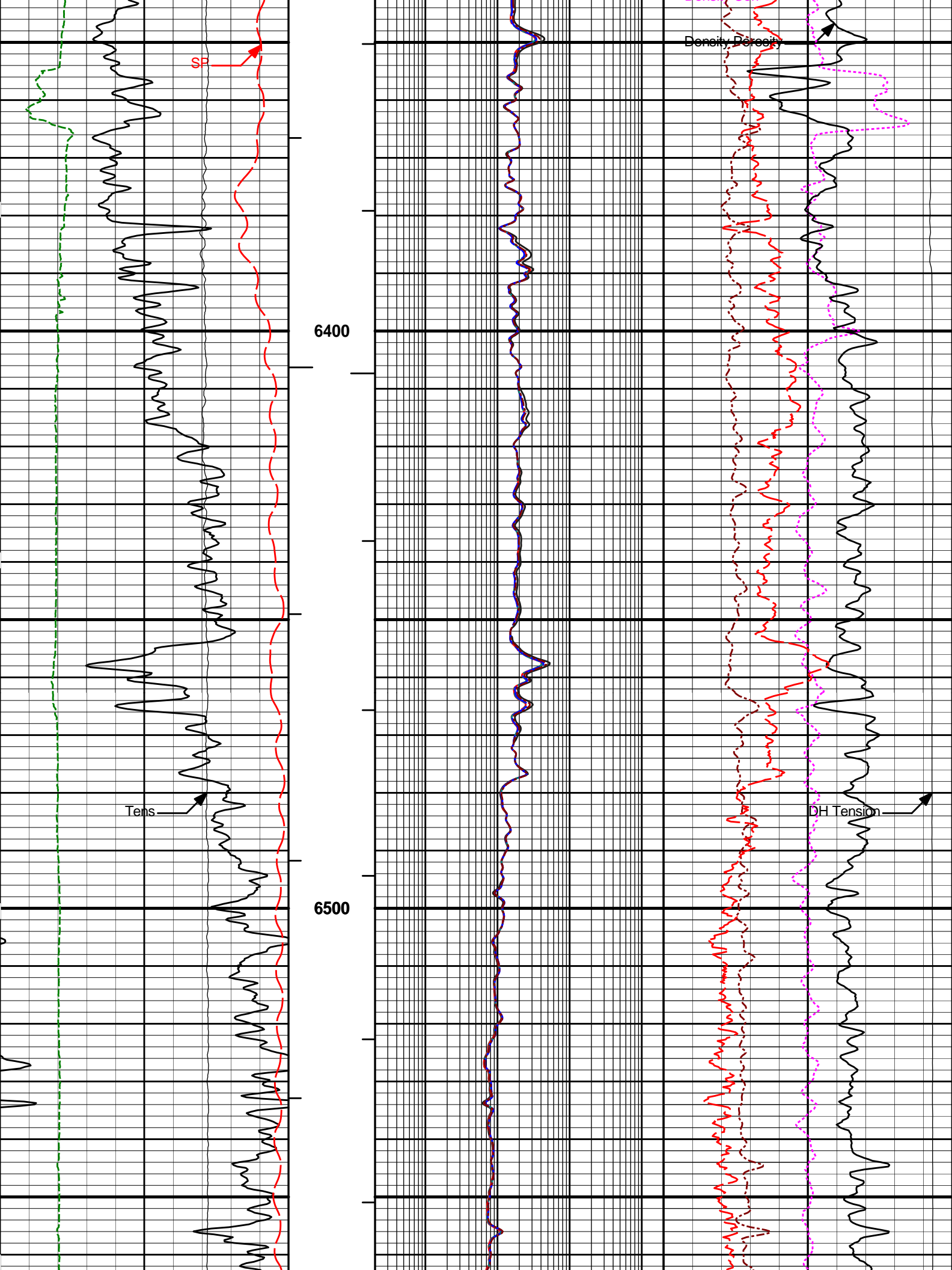


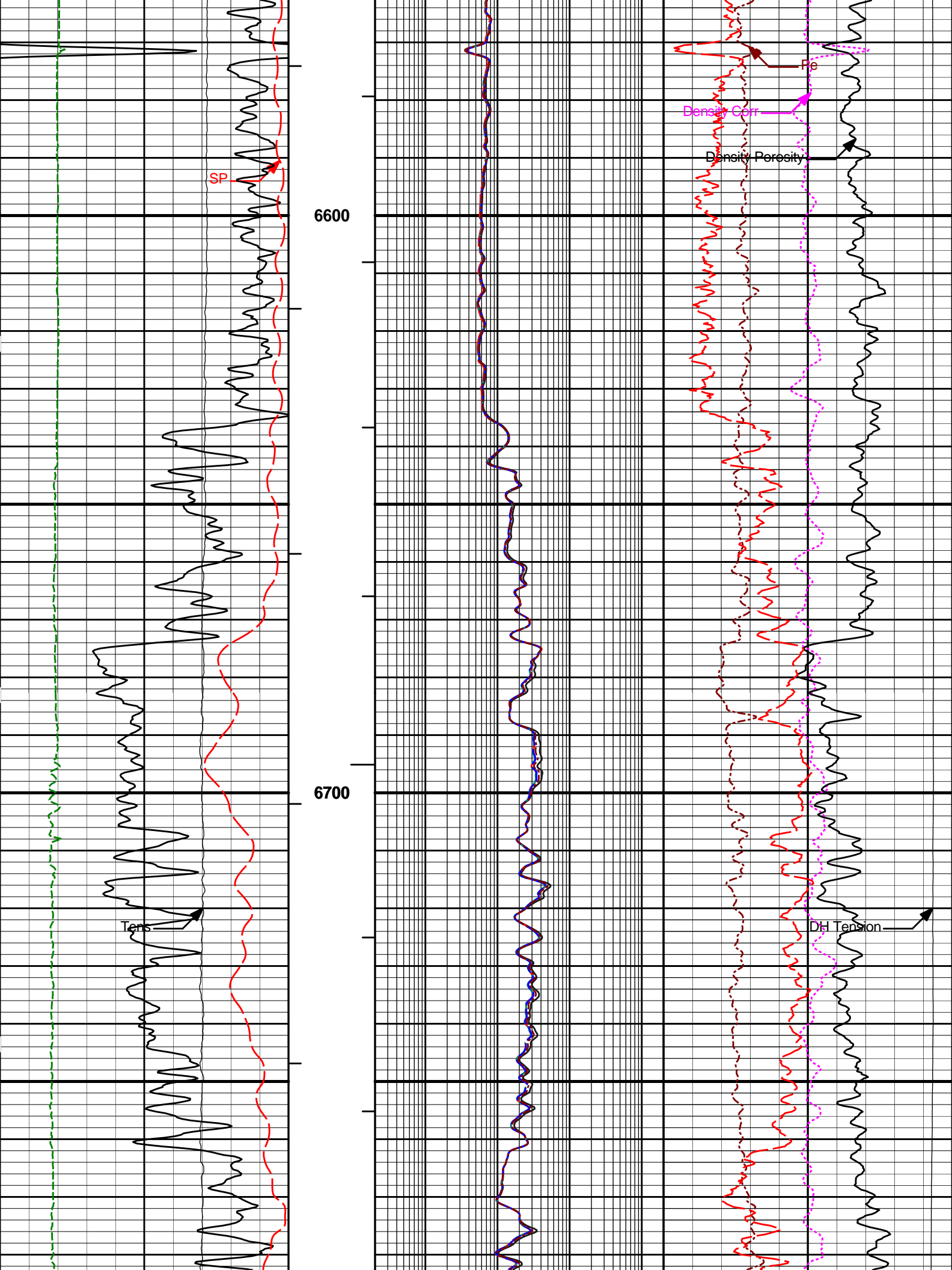


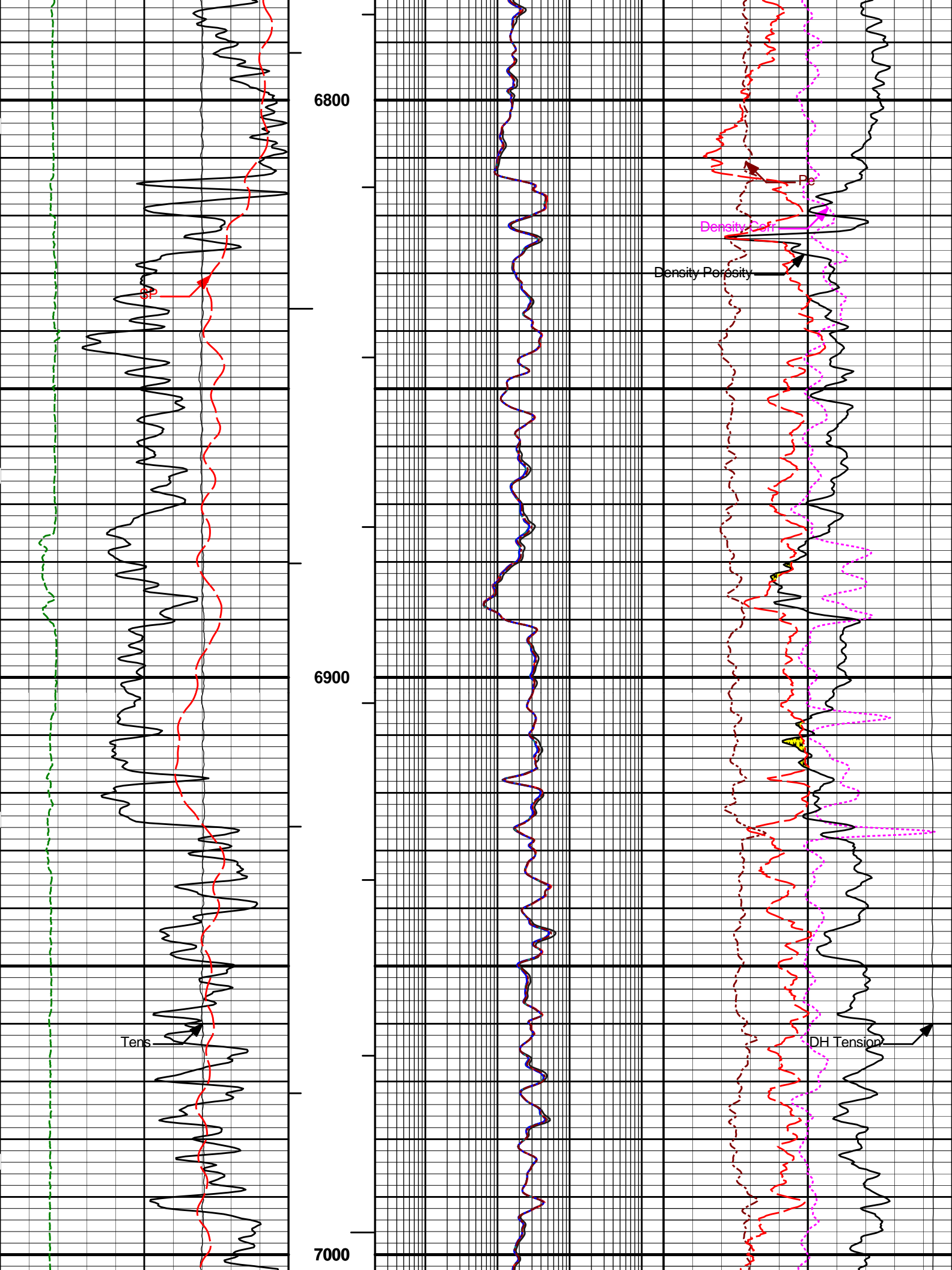


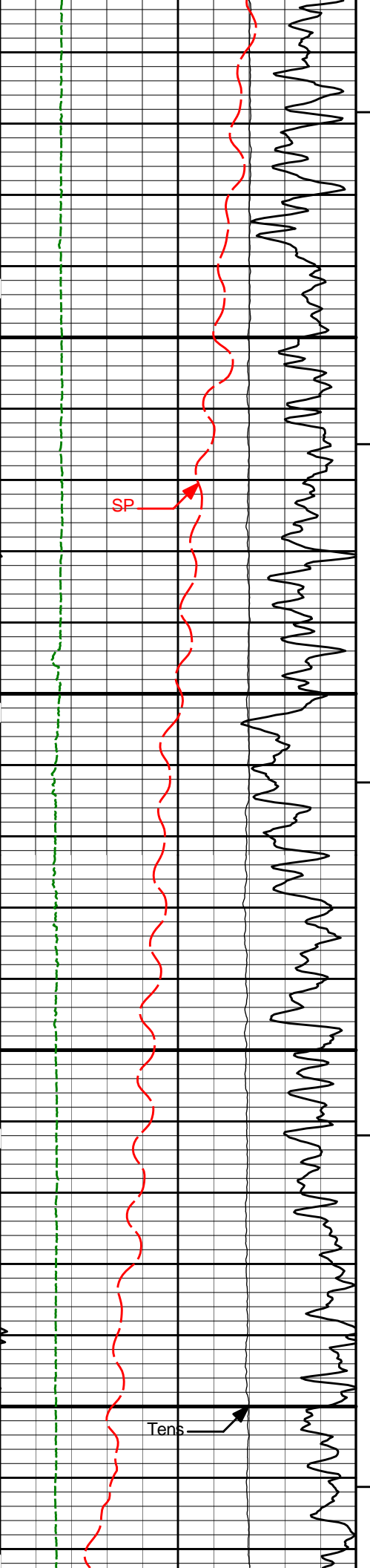






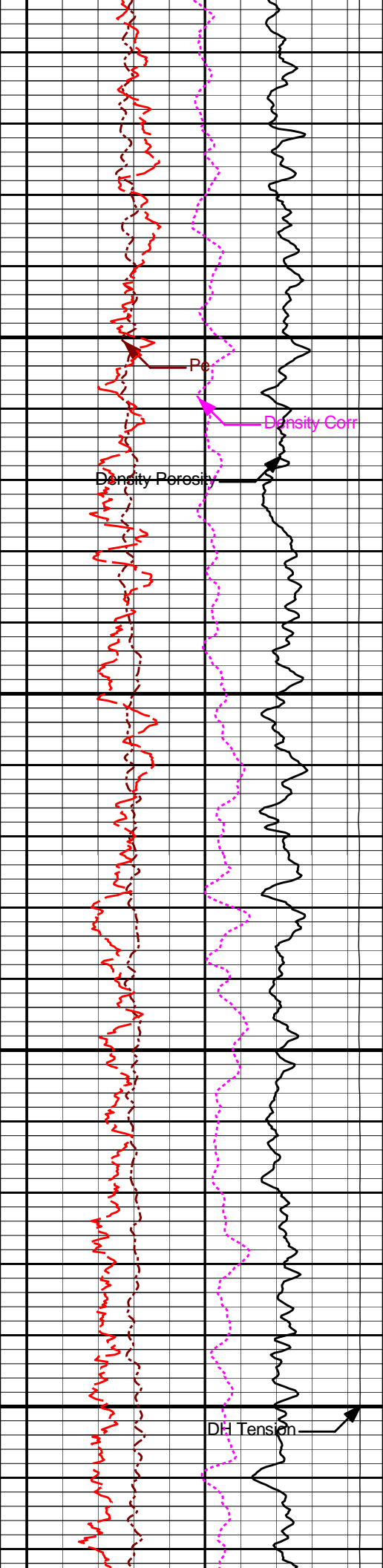
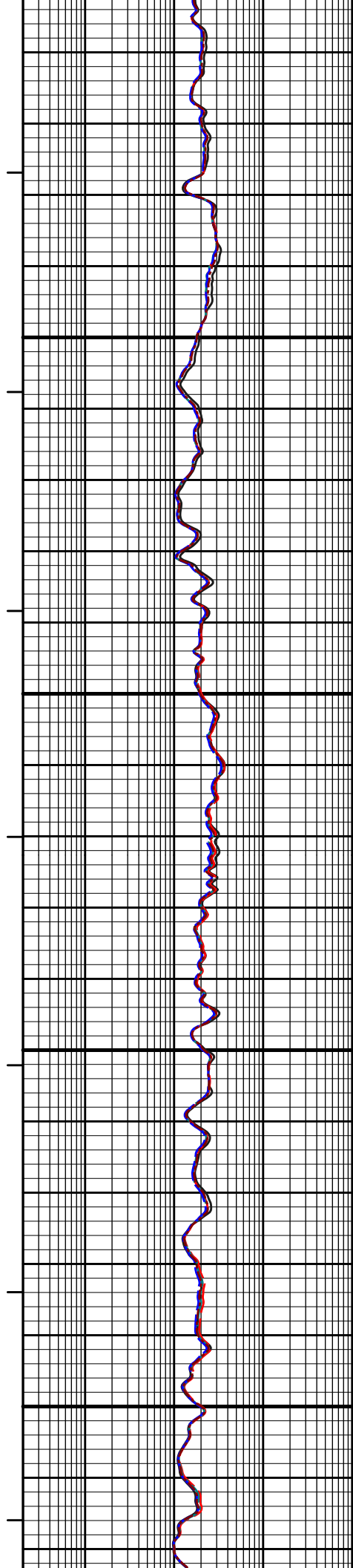


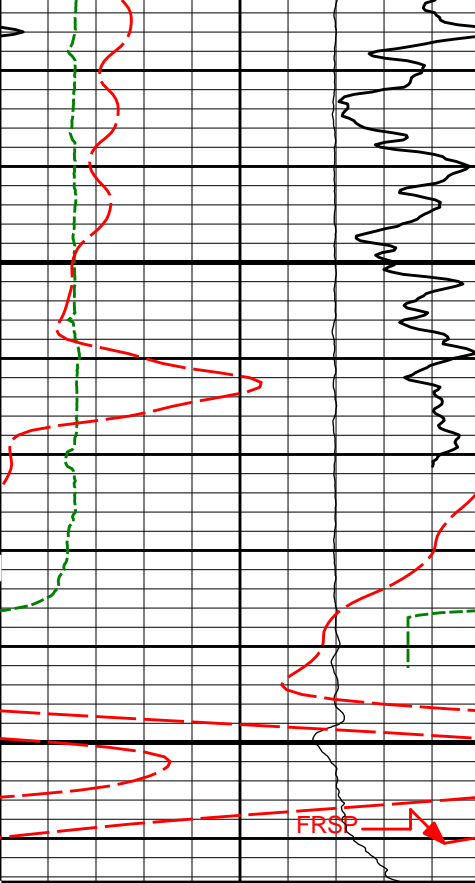




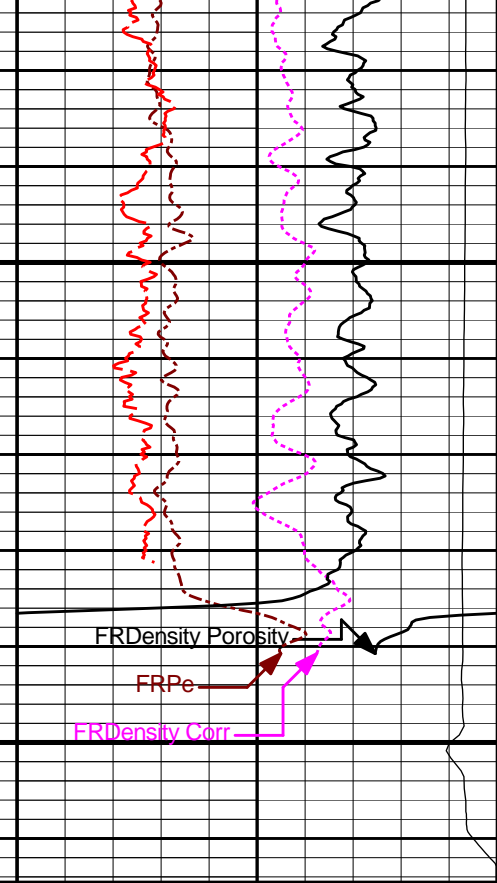
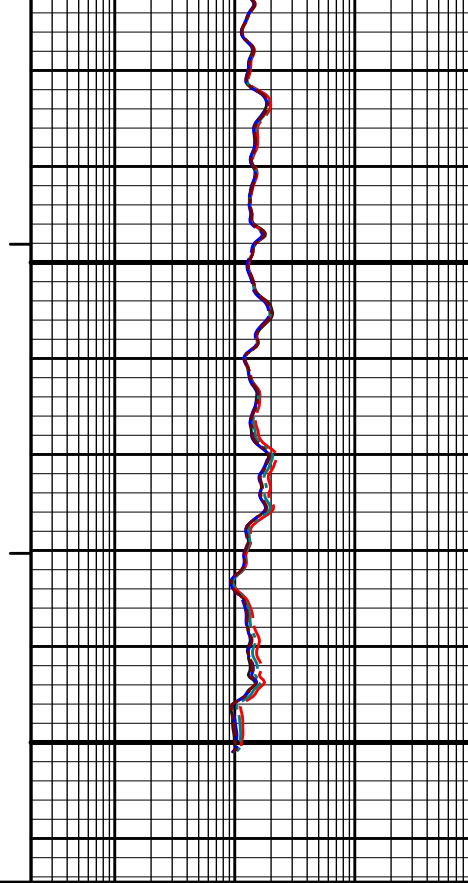
7100

7200





7300



0	SP	100
	millivolts	
0	Gamma API	150
	api	
6	Caliper	16
	inches	
10K	Tens	0
	pounds	

1 : 240

BHVT

AHVT

0.2	RT90	2K
	Ohm-m	
0.2	RT60	2K
	Ohm-m	
0.2	RT30	2K
	Ohm-m	
0.2	RT20	2K
	Ohm-m	
0.2	RT10	2K
	Ohm-m	

-0.25	Density Corr	0.25
	gram per cc	
0	Pe	10
30	Density Porosity	-10
	percent	
30	Neutron Porosity	-10
	percent	
10K	DH Ten	0
	pounds	

**HALLIBURTON**

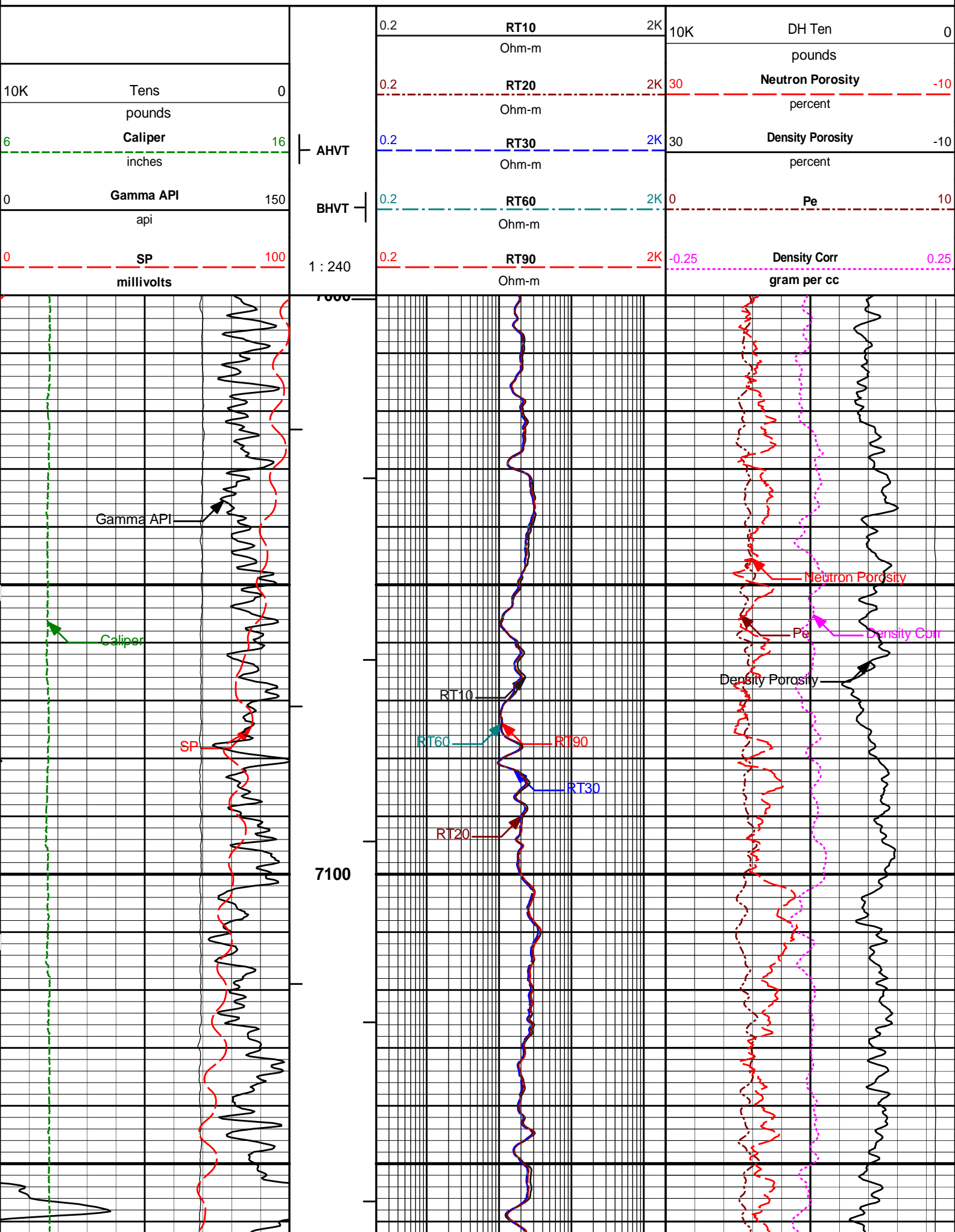
Plot Time: 19-Jan-11 21:13:07  
Plot Range: 1930 ft to 7314.54 ft  
Data: AX\_KC\_14\Well Based\MAIN\*  
Plot File: \\COMP\BP\_5IN\_COMP\_M

MAIN PASS 5" = 100'

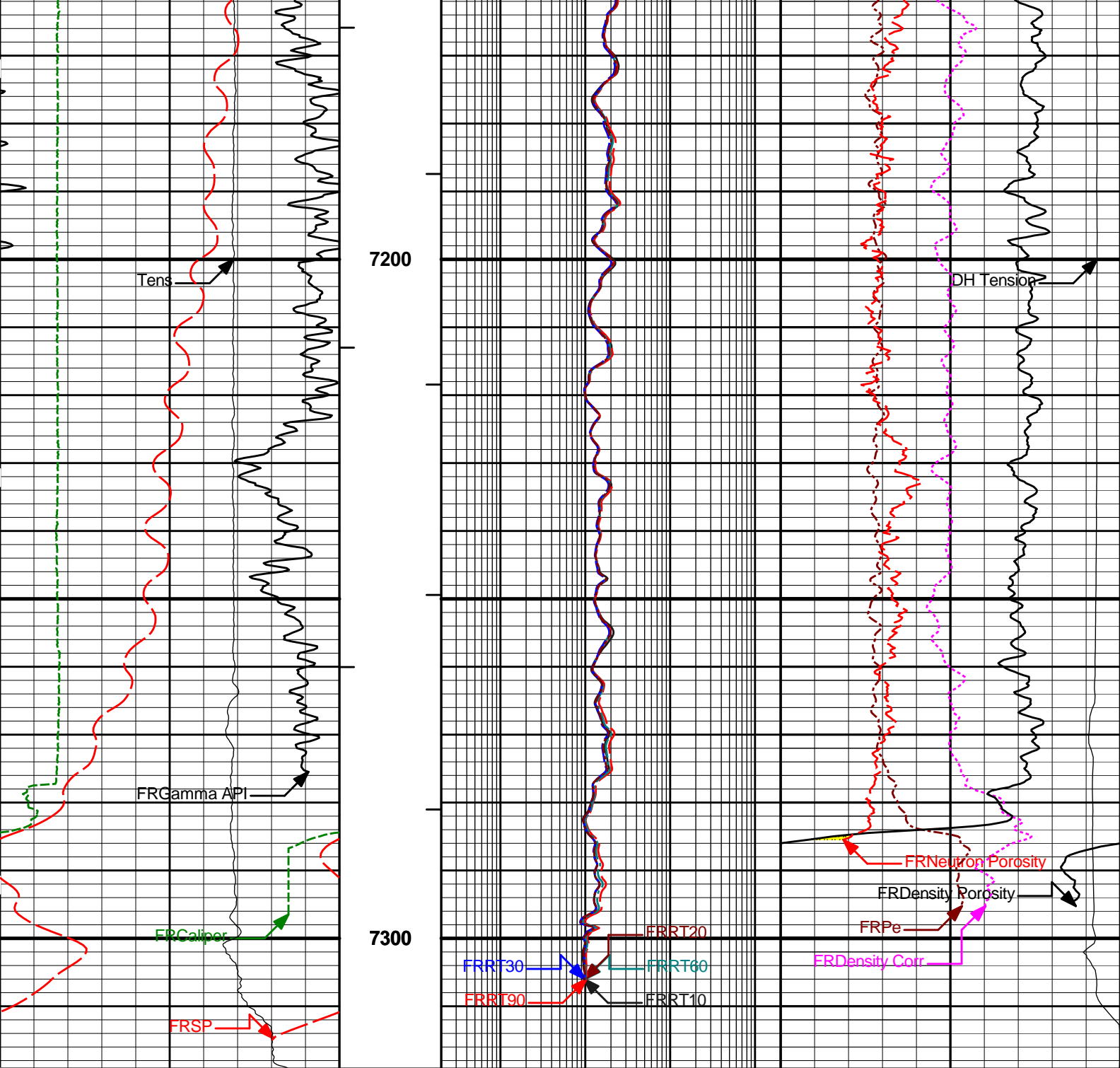
**HALLIBURTON**

Plot Time: 19-Jan-11 21:13:07  
Plot Range: 7000 ft to 7319.19 ft  
Data: AX\_KC\_14\Well Based\REPEAT\*  
Plot File: \\COMP\BP\_5IN\_COMP\_M

REPEAT SECTION 5" = 100'







0	SP	100	1 : 240	0.2	RT90	2K	-0.25	Density Corr	0.25
	millivolts				Ohm-m			gram per cc	
0	Gamma API	150	BHVT	0.2	RT60	2K	0	Pe	10
	api				Ohm-m				
6	Caliper	16	AHVT	0.2	RT30	2K	30	Density Porosity	-10
	inches				Ohm-m			percent	
10K	Tens	0		0.2	RT20	2K	30	Neutron Porosity	-10
	pounds				Ohm-m			percent	
				0.2	RT10	2K	10K	DH Ten	0
					Ohm-m			pounds	

**HALLIBURTON**

Plot Time: 19-Jan-11 21:13:12  
 Plot Range: 7000 ft to 7319.19 ft  
 Data: AX\_KC\_14\Well Based\REPEAT\*  
 Plot File: \\COMP\BP\_5IN\_COMP.M

REPEAT SECTION 5" = 100'

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name: GTET - 11004661

Reference Calibration Date: 14-Dec-10 18:40:33

Engineer: C. BLUE

Calibration Date: 19-Jan-11 10:27:15

Software Version: WL INSITE R3.2.1 (Build 7)

Calibration Version: 1

Calibrator Source S/N: 110  
Calibrator API Reference:239.00 api  
Equivalent Calibrator API Reference:243.2 api

Measurement	Measured	Calibrated	Units
Background	53.8	54.0	api
Background + Calibrator	296.0	297.2	api
Calibrator	243.4	243.2	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name: GTET - 11004661

Reference Calibration Date: 19-Jan-11 10:27:15

Engineer: C. BLUE

Calibration Date: 19-Jan-11 10:35:11

Software Version: WL INSITE R3.2.1 (Build 7)

Calibration Version: 1

Calibrator Source S/N: 110  
Calibrator API Reference:239.00 api  
Equivalent Calibrator API Reference:243.2 api

Field Verification	Shop	Field	Units
Background	54.0	56.2	api
Background + Calibrator	297.2	297.6	api
Calibrator	243.2	241.4	api

Shop	Field	Difference	Tolerance
243.2	241.4	1.8	+/- 9.00

DUAL SPACED NEUTRON SHOP CALIBRATION

Tool Name: DSNT - 10993887

Reference Calibration Date: 01-Jan-70 00:00:00

Engineer: W. MATSON

Calibration Date: 07-Jan-11 15:11:34

Software Version: WL INSITE R3.2.1 (Build 7)

Calibration Version: 1

Logging Source S/N: 388  
Tank Serial Number: GJWATERTANK  
Reference value assigned to Tank: 52.700  
Snow Block S/N: GJ  
Calibration Tank Water Temperature: 73 degF  
Min. Tool Housing Outside Diameter: 3.625 in

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

Gain:

0.950

0.950

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):	0.2166	0.2166	0.0000	+/- 0.0020
Calibrated Ratio:	9.92	9.92	0.000	+/- 0.050

VERIFIER		
Measurement	Value	Control Limit
Snow-Block Porosity (decp):	0.0580	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 - 10993887	Reference Calibration Date:	07-Jan-11 15:11:34
Engineer:	C. BLUE	Calibration Date:	19-Jan-11 10:40:55
Software Version:	WL INSITE R3.2.1 (Build 7)	Calibration Version:	1

Logging Source S/N: 388  
Snow Block S/N: GJ

NEUTRON FIELD-CHECK SUMMARY				
	Shop	Field	Difference	Control Limit On Change
Snow-Block Porosity (decp):	0.0580	0.0722	0.0142	+/- 0.0150

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

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name:	SDLT - 10951300	Reference Calibration Date:	01-Jan-70 00:00:00
Engineer:	W. MATSON	Calibration Date:	09-Jan-11 21:28:10
Software Version:	WL INSITE R3.2.1 (Build 7)	Calibration Version:	1

Logging Source S/N: 5153  
Aluminum Block S/N: GJALBLOCK                      Density: 2.610g/cc                      Pe: 3.100  
Magnesium Block S/N: GJMGBLOCK                      Density: 1.686g/cc                      Pe: 2.594

DENSITY CALIBRATION SUMMARY			
Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	1.0506	1.0506	0.90 - 1.10
Near Dens Gain	1.0030	1.0030	0.90 - 1.10
Near Peak Gain	0.9822	0.9822	0.90 - 1.10
Near Lith Gain	0.9346	0.9346	0.90 - 1.10
Far Bar Gain	1.0061	1.0061	0.90 - 1.10
Far Dens Gain	0.9929	0.9929	0.90 - 1.10
Far Peak Gain	0.9866	0.9866	0.90 - 1.10
Far Lith Gain	0.9605	0.9605	0.90 - 1.10

Near Bar Offset	-0.3332	-0.3332	NONE
Near Dens Offset	0.1003	0.1003	NONE
Near Peak Offset	0.2782	0.2782	NONE
Near Lith Offset	0.6566	0.6566	NONE
Far Bar Offset	0.0351	0.0351	NONE
Far Dens Offset	0.1232	0.1232	NONE
Far Peak Offset	0.1652	0.1652	NONE
Far Lith Offset	0.3497	0.3497	NONE

Near Bar Background	971.27	971.27	700 - 1450
Near Dens Background	320.77	320.77	230 - 480
Near Peak Background	138.03	138.03	100 - 210
Near Lith Background	172.57	172.57	125 - 260
Far Bar Background	569.00	569.00	450 - 900
Far Dens Background	220.32	220.32	175 - 345
Far Peak Background	87.22	87.22	70 - 140
Far Lith Background	93.08	93.08	75 - 145

CALIBRATION BLOCK SUMMARY				
Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.686	1.686	0.000	+/- 0.015
Pe	2.555	2.555	0.000	+/- 0.150
ALUMINUM				
Density (g/cc)	2.610	2.610	0.000	+/- 0.01500
Pe	3.064	3.064	0.000	+/- 0.150

TOOL SUMMARY				
Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	-0.0004	+/- 0.0110	-0.0001	+/- 0.0140
Magnesium Block	0.0005	+/- 0.0110	-0.0006	+/- 0.0140
Aluminum Block	-0.0002	+/- 0.0110	-0.0010	+/- 0.0140
Resolution	9.73	6.00 - 11.50	8.98	6.00 - 11.50
Internal Verifier(B+D+P+L)	1603	1200 - 2700	970	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 - 10951300

Reference Calibration Date: 09-Jan-11 21:28:10

Engineer: C. BLUE

Calibration Date: 19-Jan-11 10:27:42

Software Version: WL INSITE R3.2.1 (Build 7)

Calibration Version: 1

DENSITY FIELD CALIBRATION SUMMARY				
Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1602.639	1601.149	-1.490	16.097
Far (B+D+P+L) cps	969.617	974.724	5.107	16.743
Near Resolution	9.73	9.69	-0.040	0.50
Far Resolution	8.98	9.18	0.200	1.00

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

MICRO LOG SHOP CALIBRATION

Tool Name:	SDLT - 10951300	Reference Calibration Date:	12-Oct-10 19:39:40
Engineer:	W. MATSON	Calibration Date:	12-Oct-10 19:41:11
Software Version:	WL INSITE R3.0.5 (Build 3)	Calibration Version:	1

CALIBRATION COEFFICIENT SUMMARY					
Measurement	Micro Log Normal		Micro Log Lateral		Units
	Measured	Calibrated	Measured	Calibrated	
Tool Zero	-0.36	-0.34	-0.11	-0.09	ohmm
Calibration Point #1	-0.01	0.00	-0.02	0.00	ohmm
Calibration Point #2	20.05	20.00	20.01	20.00	ohmm
Internal Reference	24.10	24.04	17.56	17.55	ohmm
Measurement	Micro Log Normal Tool Value		Micro Log Lateral Tool Value		Units
Tool Zero	12.21		-3.63		V
Calibration Point #1	28.45		4.67		V
Calibration Point #2	980.61		1757.13		V
Internal Reference	1172.76		1542.88		V

MICRO LOG FIELD CHECK

Tool Name:	SDLT - 10951300	Reference Calibration Date:	12-Oct-10 19:41:11
Engineer:	W. MATSON	Calibration Date:	12-Oct-10 19:41:47
Software Version:	WL INSITE R3.0.5 (Build 3)	Calibration Version:	1

Measurement	Micro Log Normal		Micro Log Lateral		Units
	Shop	Field	Shop	Field	
Tool Zero	-0.34	-0.34	-0.09	-0.09	ohmm
Internal Reference	24.04	24.04	17.55	17.56	ohmm
Summary					
Signal	Shop	Field	Difference		Tolerance
Microlog Normal	24.04	24.04	0.00		+/- 0.80
Microlog Lateral	17.55	17.56	-0.01		+/- 0.80

DENSITY CALIPER SHOP CALIBRATION

Tool Name:	SDLT - 10951300	Reference Calibration Date:	01-Jan-70 00:00:00
Engineer:	C. BLUE	Calibration Date:	19-Jan-11 10:33:30
Software Version:	WL INSITE R3.2.1 (Build 7)	Calibration Version:	1

CALIBRATION COEFFICIENTS					
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Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-2578.65	-2578.65	-7000.00 - -1000.00
Pad Gain	0.0003758	0.0003758	0.000200 - 0.000600
Arm Offset	-2692.68	-2692.68	-5000.00 - 3000.00
Arm Gain	0.0004979	0.0004979	0.000300 - 0.000700
Arm Power	-0.000001870	-0.000001870	-0.000010 - 0.000010

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)	2.00	2.00	0.00	+/- 0.20
Medium Ring (in)	3.75	3.75	0.00	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.50	6.50	0.00	+/- 0.20
Medium Ring (in)	8.25	8.25	0.00	+/- 0.20
Large Ring (in)	15.00	15.00	0.00	+/- 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:	SDLT - 10951300	Reference Calibration Date:	19-Jan-11 10:33:30
Engineer:	C. BLUE	Calibration Date:	19-Jan-11 10:34:59
Software Version:	WL INSITE R3.2.1 (Build 7)	Calibration Version:	1

MEASURED CALIPER VALUES				
Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.77	0.02	+/- 0.10
Ring Diameter	8.25	8.25	0.00	+/- 0.15

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

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name:	ACRt - 90190515-E9775-	Reference Calibration Date:	12-Aug-10 15:02:00
Engineer:	W. MATSON	Calibration Date:	11-Dec-10 13:11:55
Software Version:	WL INSITE R3.2.1 (Build 7)	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	0.9985	1.05	0.95	1.0002	1.05	0.95	1.0000	1.05
A2 (50")	0.95	0.9984	1.05	0.95	1.0004	1.05	0.95	0.9998	1.05
A3 (29")	0.95	0.9890	1.05	0.95	0.9914	1.05	0.95	0.9890	1.05
A4 (17")	0.95	0.9980	1.05	0.95	0.9978	1.05	0.95	0.9980	1.05
A5 (10")	N/A	N/A	N/A	0.95	0.9936	1.05	0.95	0.9930	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.9793	1.05	0.95	0.9773	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	-0.797	2	-6	-4.687	-2	-8	-4.618	-2
A2 (50")	-7	-1.681	-1	-6	-2.927	-2	-7	-4.792	-2
A3 (29")	-27	-12.830	-9	-9	-3.447	-3	-7	-3.353	-1
A4 (17")	-180	-102.642	-60	-45	-32.425	-15	-39	-25.728	-13
A5 (10")	N/A	N/A	N/A	-150	-85.353	-50	-80	-43.176	-10
A6 (6")	N/A	N/A	N/A	175	315.675	525	90	158.083	270

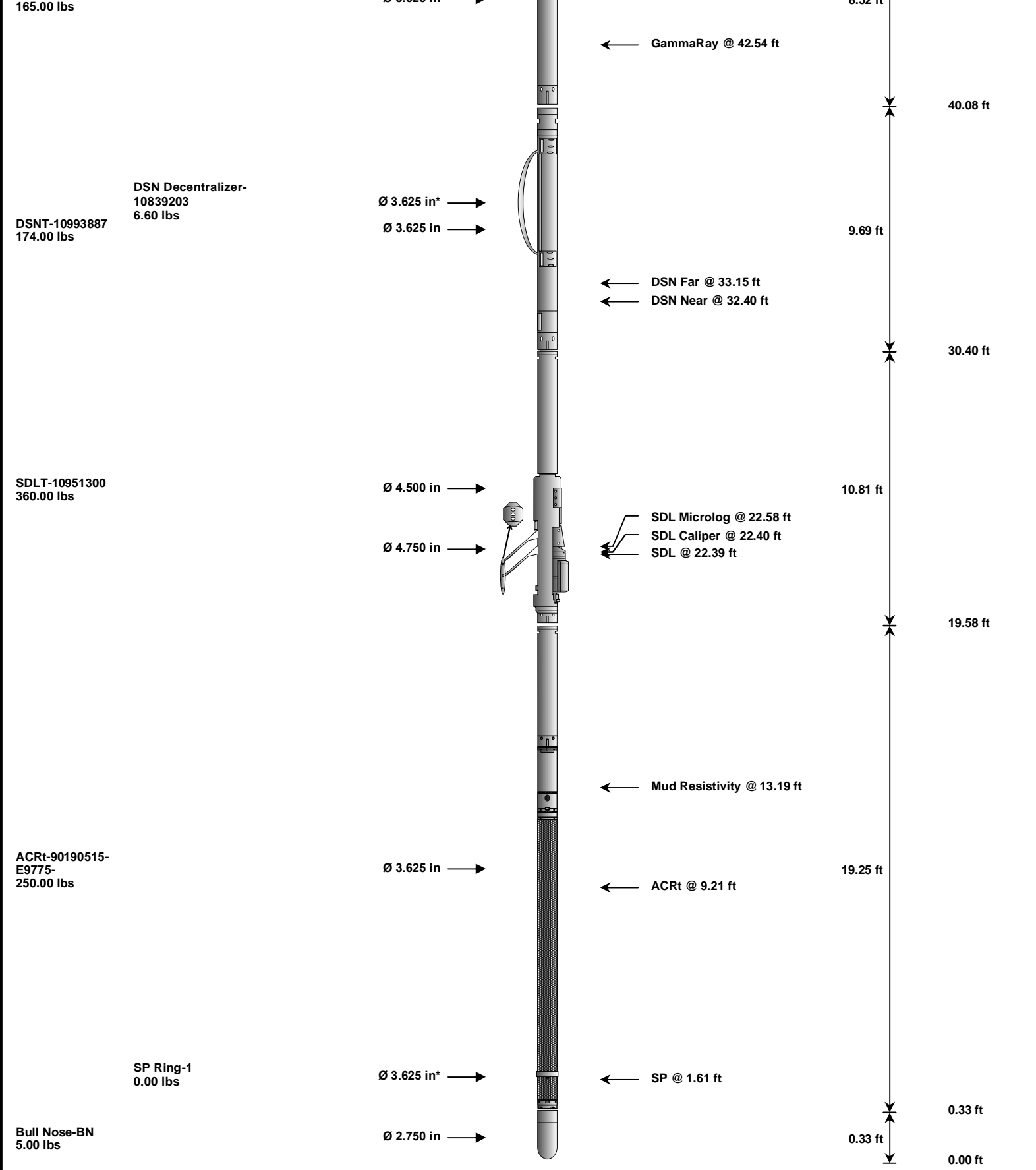
TRANSMITTER CURRENT GAIN					R-MUD VERIFICATION			
Signal	Lower	R	Upper		Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
12K	0.6	0.8635	1.3		Mud Cell	0.95	1.005	1.05
36K	1.0	1.8975	2.0					
72K	1.0	1.1171	2.0					

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11004661						
Gamma Ray Calibrator	243.2	241.4	-----	1.8	+/- 9.00	api
DSNT-10993887						
Snow-Block Porosity	0.0580	0.0722	-----	-0.0142	+/- 0.0150	decp
SDLT-10951300						
Near(B+D+P+L)	1602.639	1601.149	-----	1.490	+/-16.097	cps
Far(B+D+P+L)	969.617	974.724	-----	-5.107	+/-16.743	cps
MicroLog Normal	24.04	24.04	-----	0.00	+/-0.80	ohmm
MicroLog Lateral	17.55	17.56	-----	-0.01	+/-0.80	ohmm
Pad Extension	3.75	3.77	-----	-0.02	+/-0.10	in
Ring Diameter	8.25	8.25	-----	0.000	+/-0.15	in
ACRt-90190515-E9775-						
Mud Cell	1.005	-----	-----	0.000	-----	ohm-m

Data: AX_KC_14\0001 TEST\IDLE	Date: 19-Jan-11 20:24:16
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HALLIBURTON						
TOOL STRING DIAGRAM REPORT						
Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
RWCH-A089 135.00 lbs		Ø 3.625 in		Load Cell @ 51.17 ft BH Temperature @ 50.60 ft	6.25 ft	54.85 ft
						48.60 ft
GTET-11004661		Ø 3.625 in			8.52 ft	





Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
RWCH	Releasable Wireline Cable Head	A089	135.00	6.25	48.60	300.00
GTET	Gamma Telemetry Tool	11004661	165.00	8.52	40.08	60.00
DSNT	Dual Spaced Neutron	10993887	174.00	9.69	30.40	60.00
DCNT	DSN Decentralizer	10839203	6.60	5.13	33.73	300.00
SDLT	Spectral Density Tool	10951300	360.00	10.81	19.58	60.00
ACRt	Array Compensated True Resistivity	90190515-E9775-	250.00	19.25	0.33	300.00
SP	SP Ring	1	0.00	0.25	1.61	300.00
BLNS	Bull Nose	BN	5.00	0.33	0.00	300.00

Total	1,095.60	54.85
* Not included in Total Length and Length Accumulation.		
Data: AX_KC_14\0001 TEST\001 19-Jan-11 19:06 Dn @-0.3f		Date: 19-Jan-11 19:06:55

COMPANY	AXIA ENERGY LCC		
WELL	KIMBALL CREEK #14-406D-995		
FIELD	BUZZARD		
COUNTY	MESA	STATE	CO
HALLIBURTON		SPECTRAL DENSITY DUAL SPACED NEUTRON ARRAY COMPENSATED TRUE RESISTIVITY	