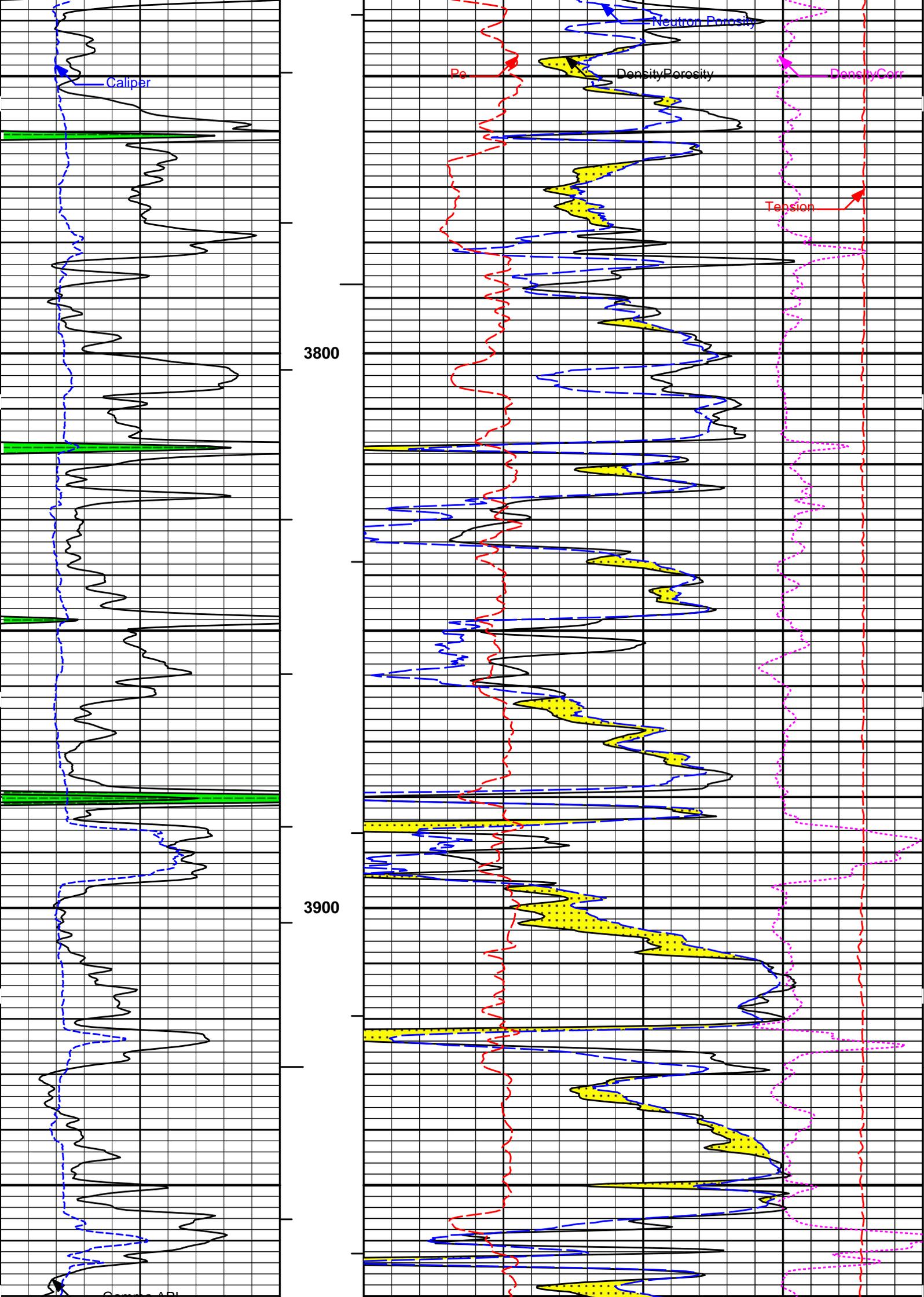
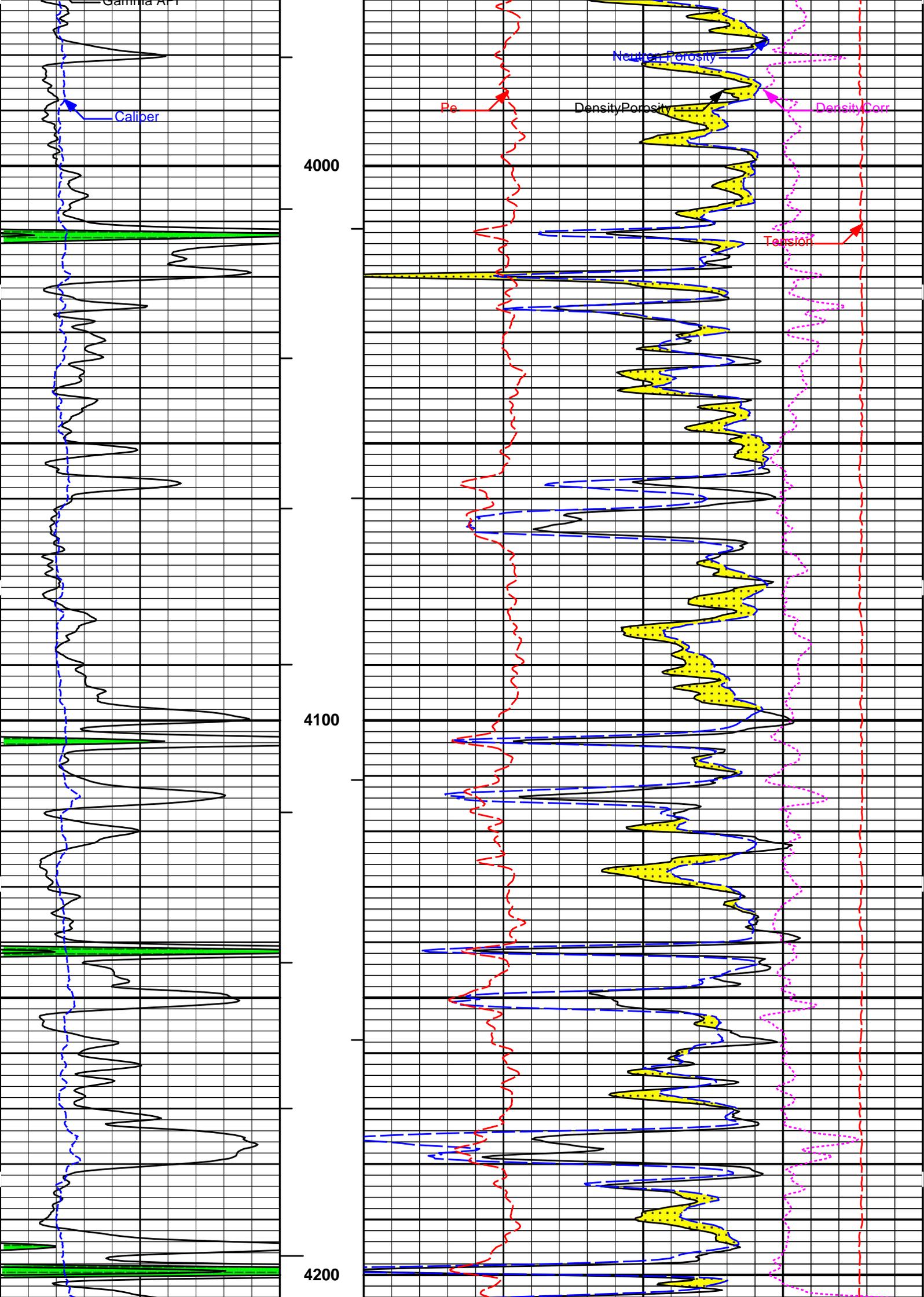


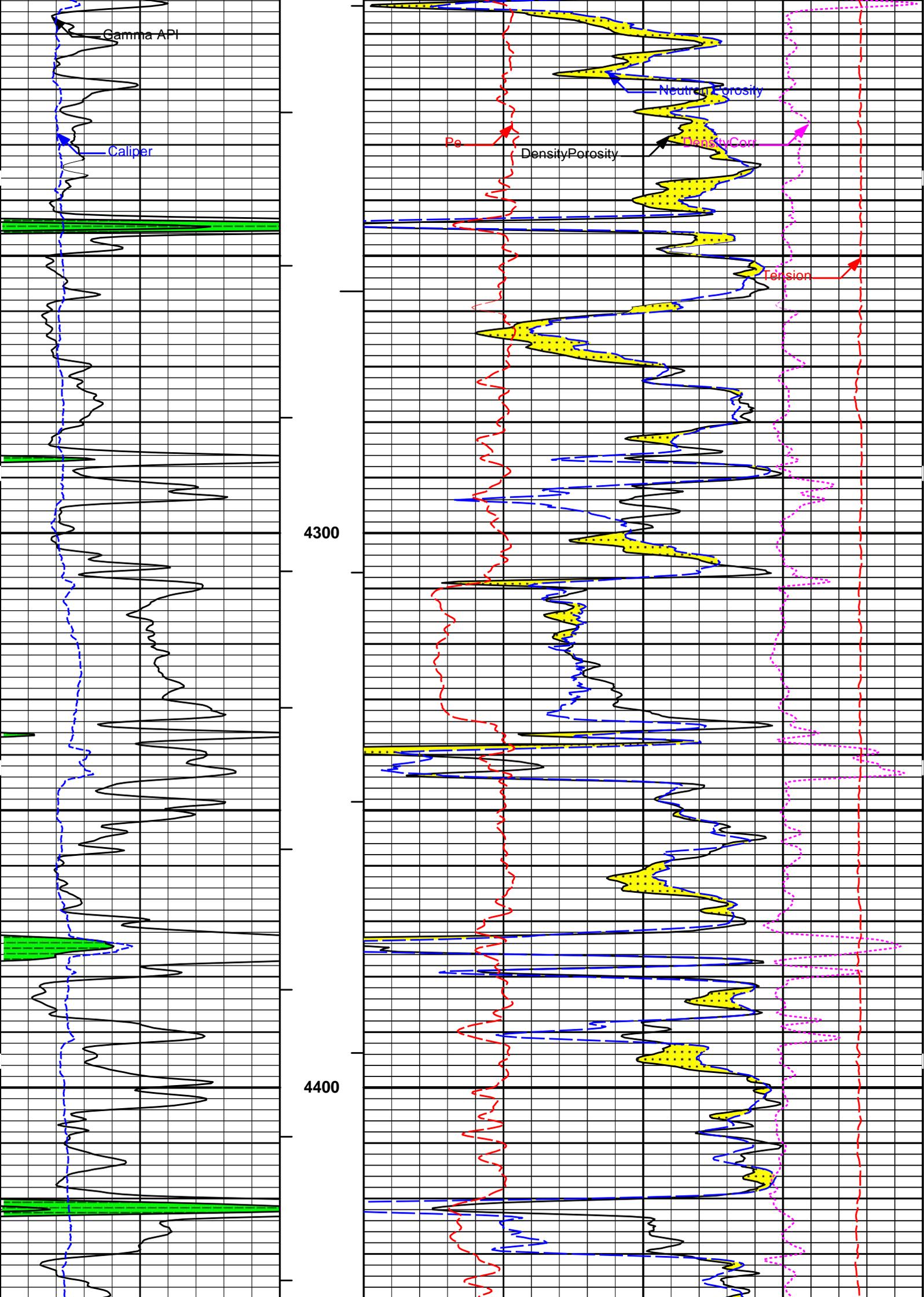
COMPANY WELL FIELD/BLOCK COUNTY STATE	HARTMAN OIL CO., INC ROSE #5-1 AMERICAN BEAUTY WICHITA KANSAS
Permanent Datum Log measured from Drilling measured from Date Run No. Depth - Driller Depth - Logger Bottom - Logged Interval Top - Logged Interval Casing - Driller Casing - Logger Bit Size Type Fluid 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 Location Recorded By Witnessed By	COMPANY WELL FIELD/BLOCK COUNTY STATE API No. 15-203-20310-00-00 Location (SHL) 330' FNL & 660' FWL N2 NW NW Sect. 1 Twp. 16S Rge. 35W Elev. 3078.0 ft 13.0 ft above perm. Datum 02-Oct-16 ONE 4730.0 ft 4726.0 ft 4703.00 ft 3700.00 ft 8.625 in @ 368.0 ft 362.0 ft 7.875 in Water Based Mud 9.8 ppg 10.00 pH MUD PIT 0.75 ohmm @ 75.00 degF 0.58 ohmm @ 75.00 degF 0.91 ohmm @ 75.00 degF MEAS MEAS 0.52 ohmm @ 112.0 degF 5.0 hr 02-Oct-16 02:00 112.00 degF @ 4725.0 ft 11072142 EL RENO, OK JORGE ORLANDO PEREZ CHRIS PETERS
Other Services: DSNT/SDLT MICROLOG ACRT	Elev.: K.B. 3091.0 ft D.F. 3091.0 ft G.L. 3078.0 ft

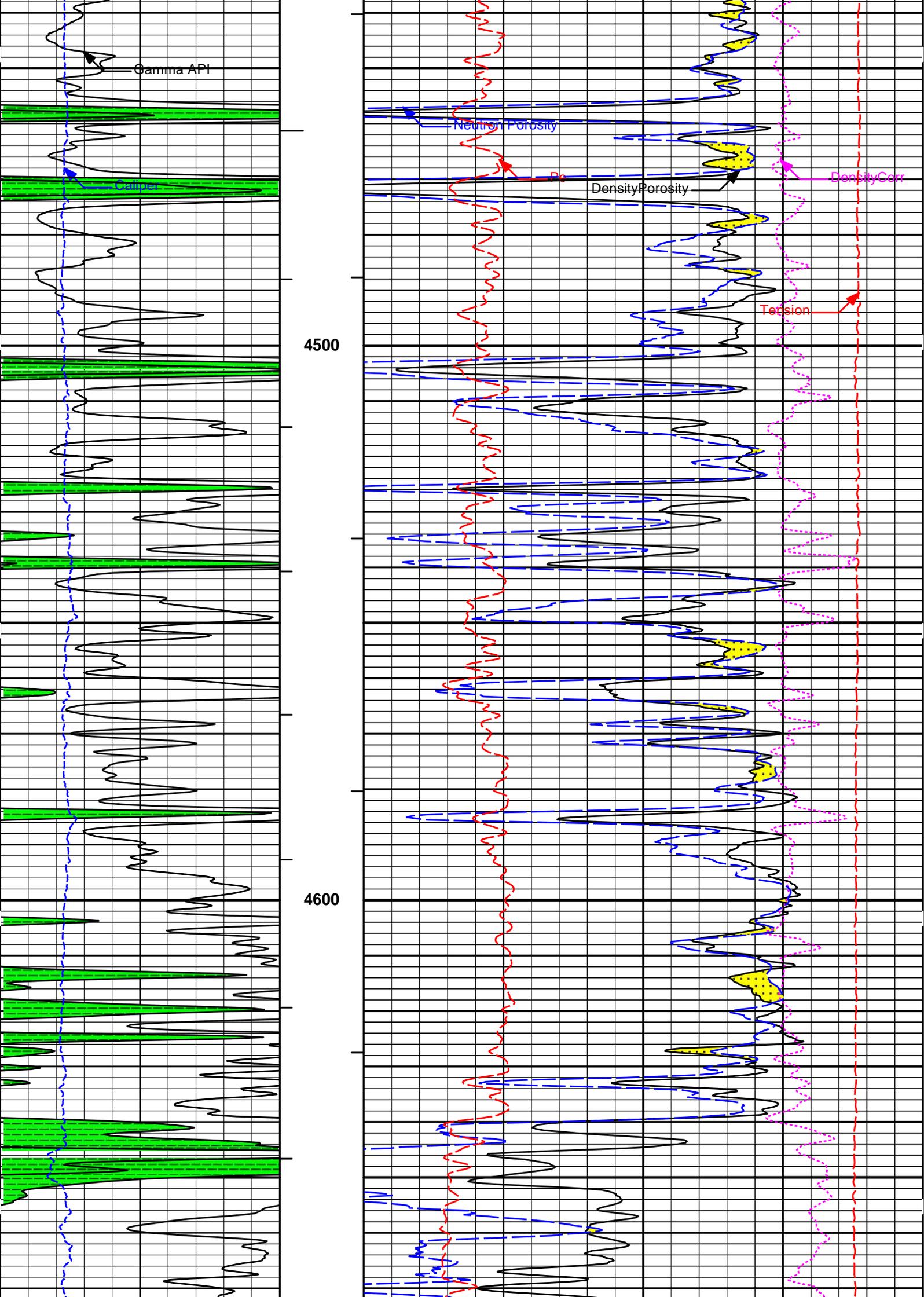
Fold here

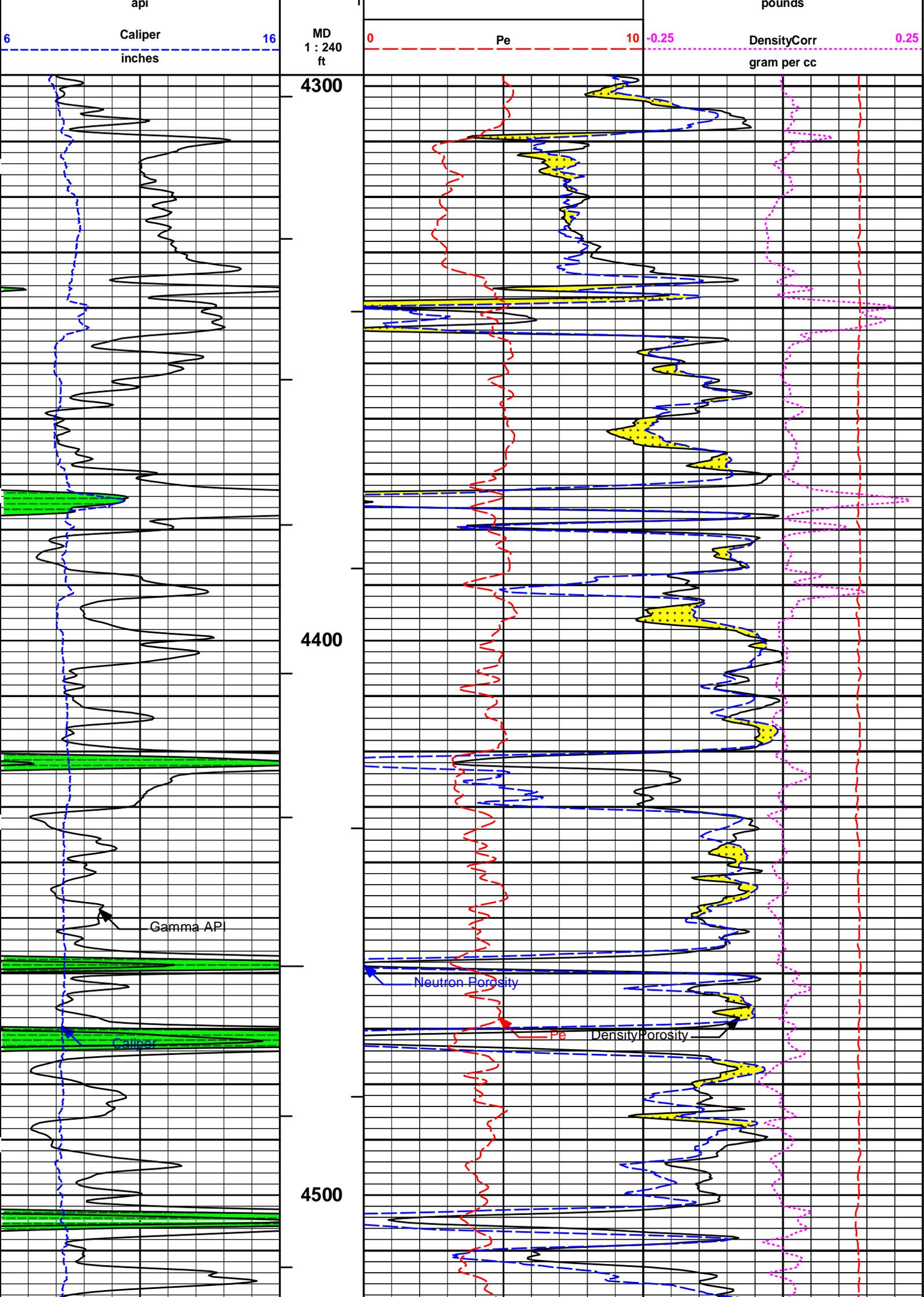
Service Ticket No.: 903565062				API No.: 15-203-20310-00-00				PGM Version: WL INSITE R5.0.5 (Build 8)						
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE						RESISTIVITY SCALE CHANGES								
Date	Sample No.			Type Log	Depth	Scale Up Hole	Scale Down Hole							
Depth-Driller														
Type Fluid in 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-11022962									
Source Rmf	Rmc				S-11005909									
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.	11048627		Serial No.			Serial No.	11019643		Serial No.	10950489				
Model No.	GTET		Model No.			Model No.	SDLT		Model No.	DSNT				
Diameter	3.625"		No. of Cent.			Diameter	5.5"		Diameter	3.625"				
Detector Model No.	T-102		Spacing			Log Type	GAM-GAM		Log Type	NEU-NEU				
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	2.71 gr/cc	30	10	LIME

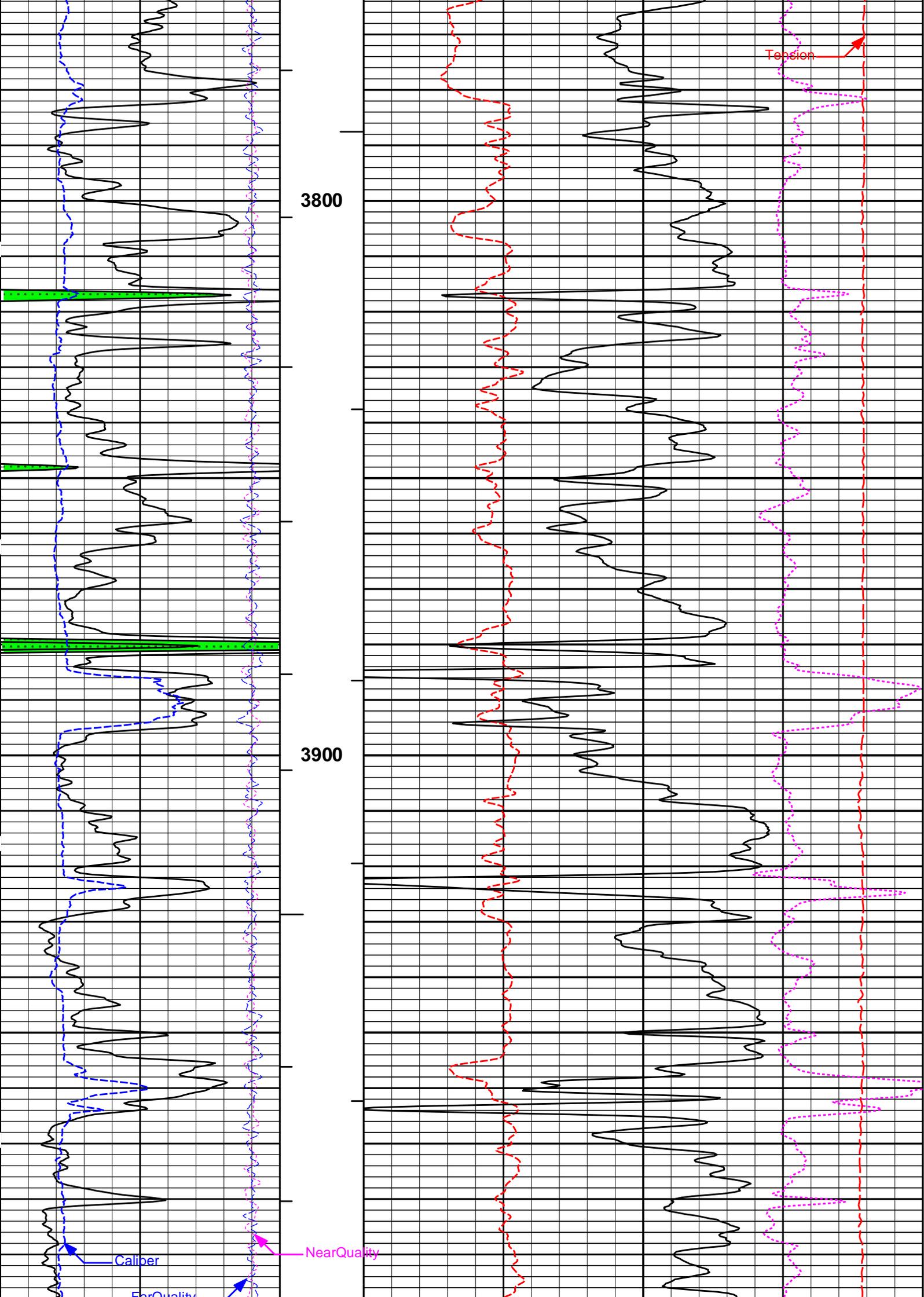


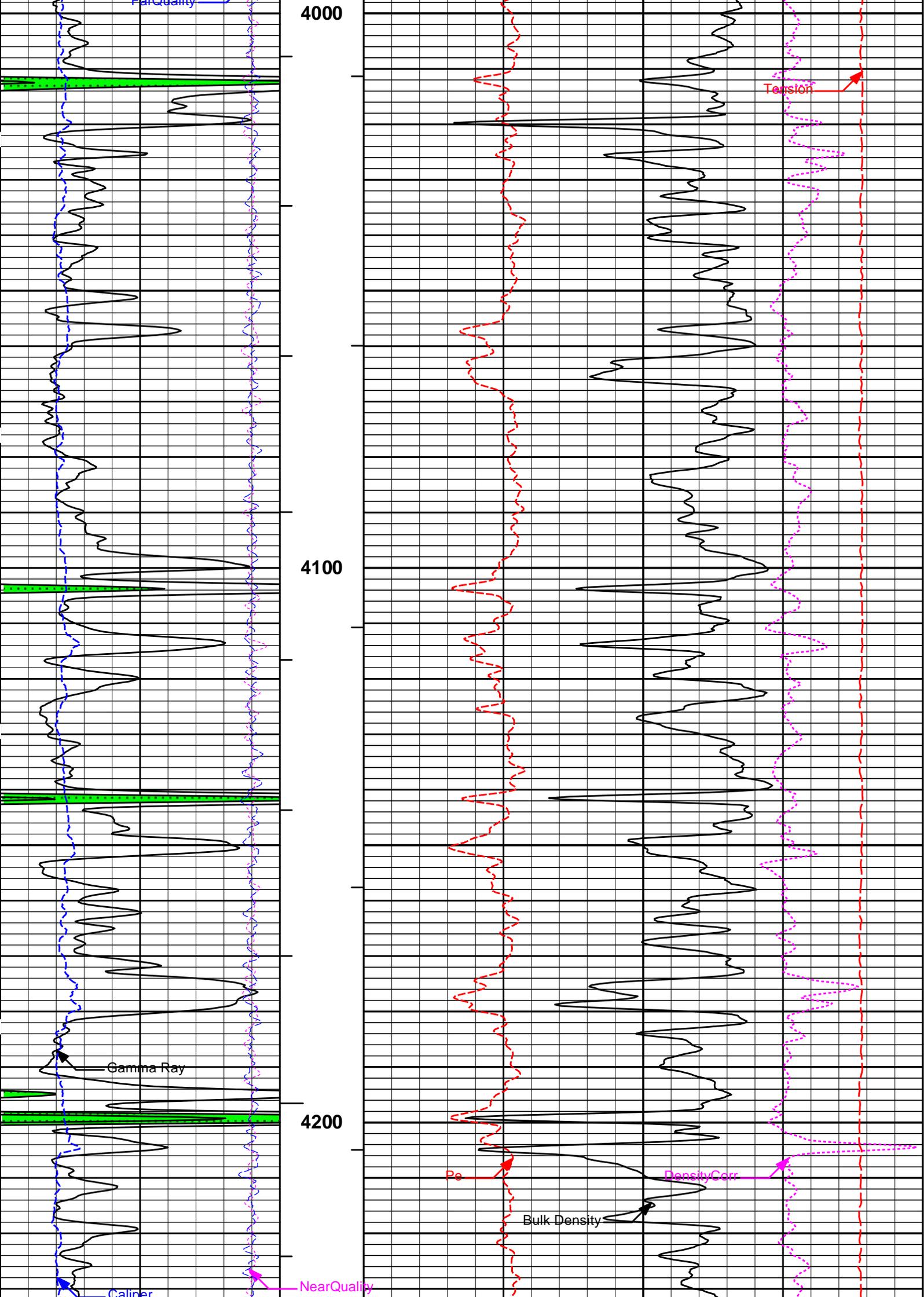


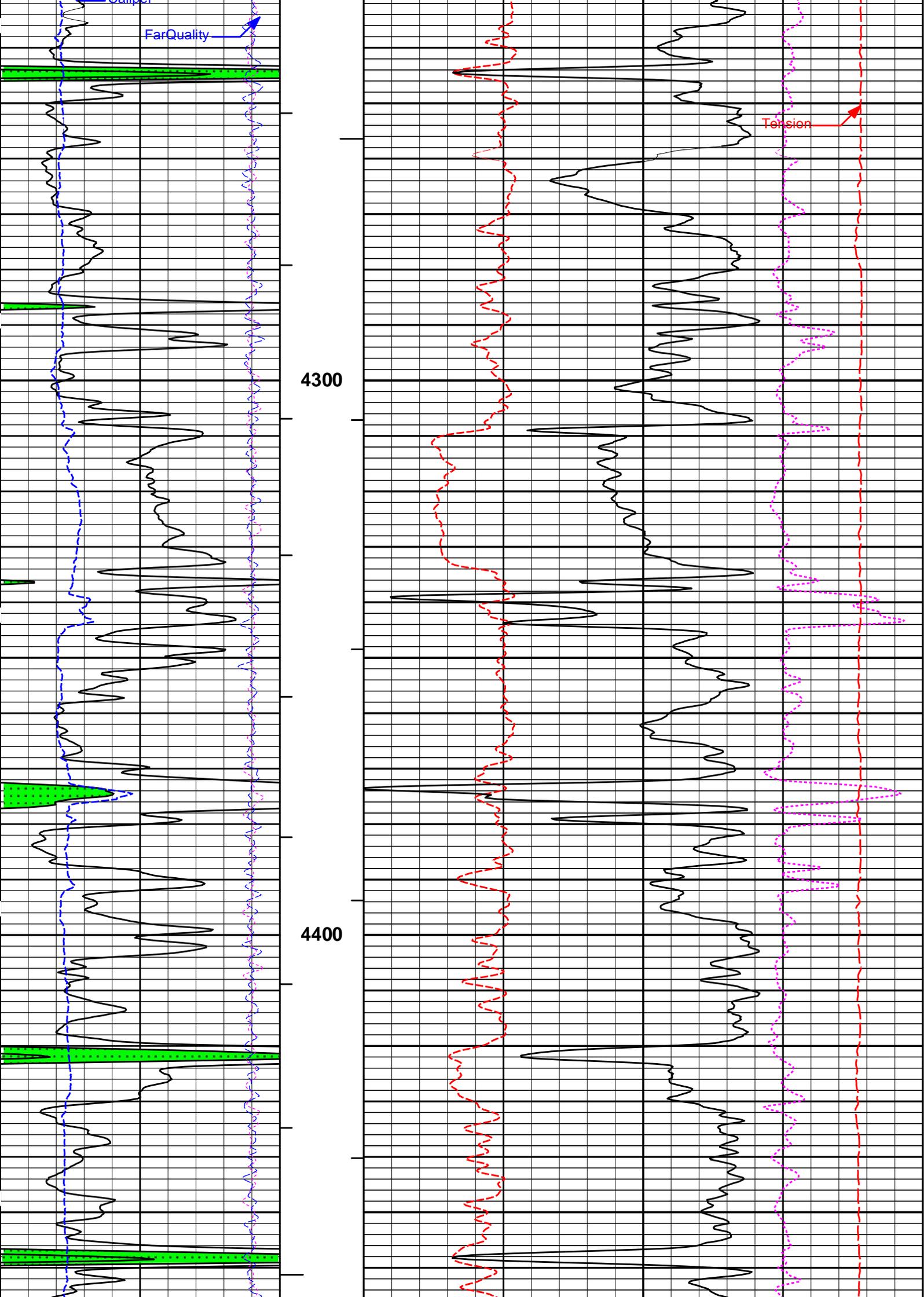


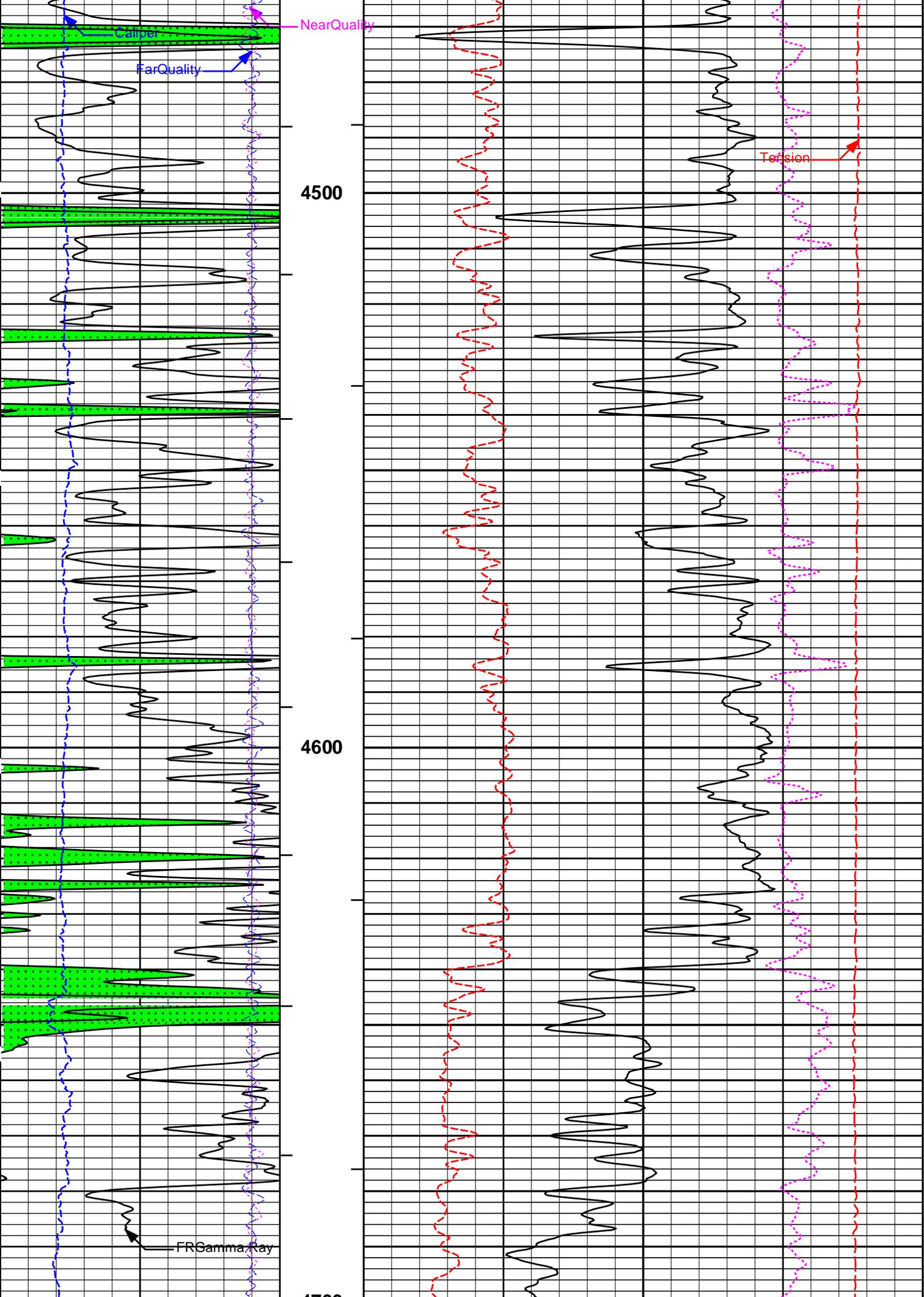


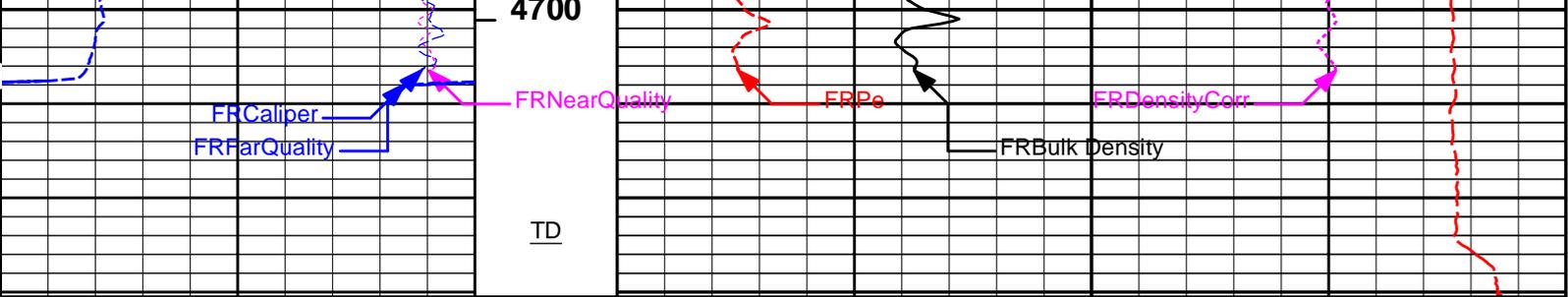












6	Caliper	16	MD	0	Pe	10	-0.25	DensityCorr	0.25
	inches		1 : 240					g/cc	
-18	NearQuality	2	AHV				15K	Tension	0
			ft3					pounds	
18	FarQuality	-2	BHV	2	Bulk Density				3
			ft3		g/cc				
0	Gamma Ray	150							
	api								
	SHALE								

HALLIBURTON

Plot Time: 02-Oct-16 02:42:15
 Plot Range: 3698 ft to 4730.5 ft
 Data: ROSE_5-1\Well Based\DETAILS\
 Plot File: \\-LOCAL-ROSE_5-1\Well Based\POROSITY\BULKD_5_MAIN_LIB

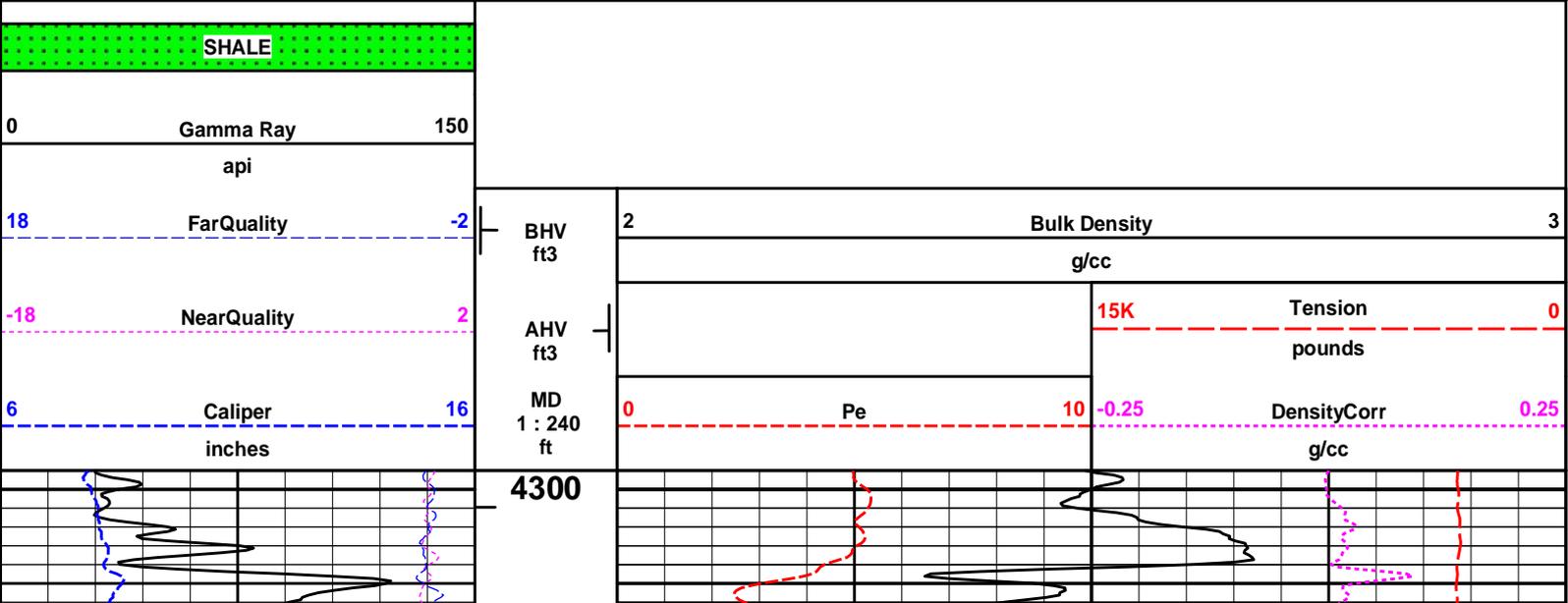
5 INCH MAIN LOG

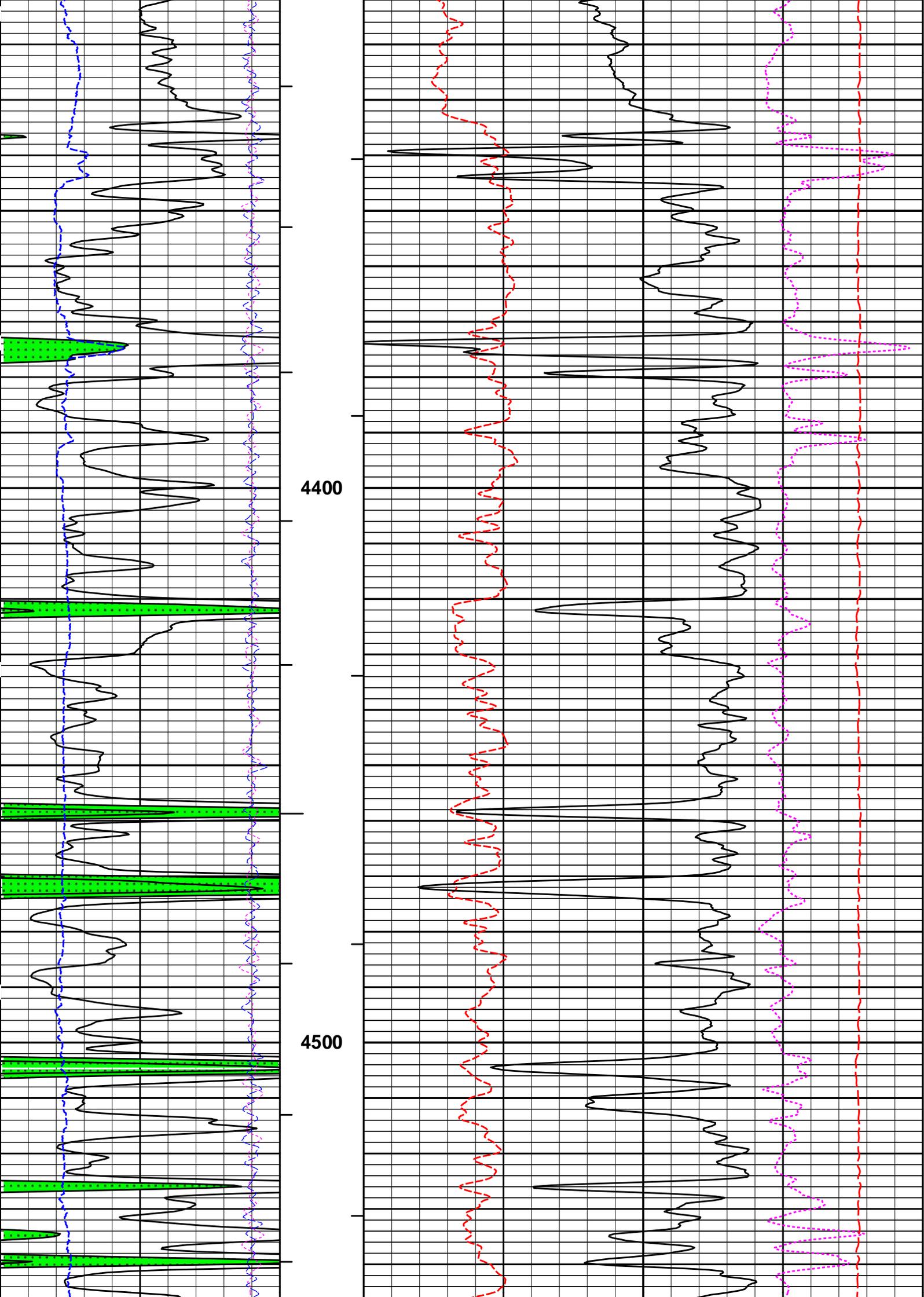
MEASURED DEPTH
 MAIN SECTION 5" PER 100'

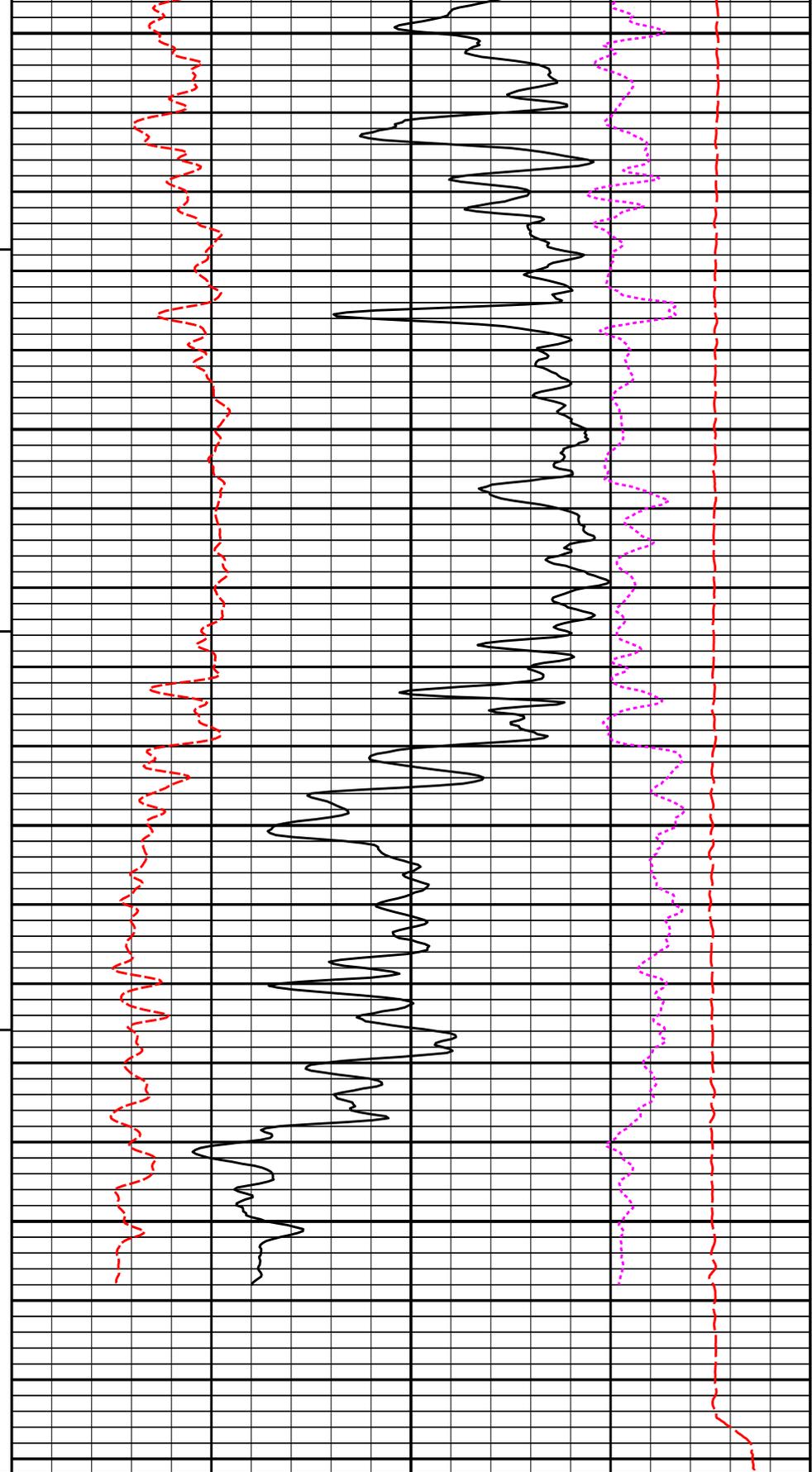
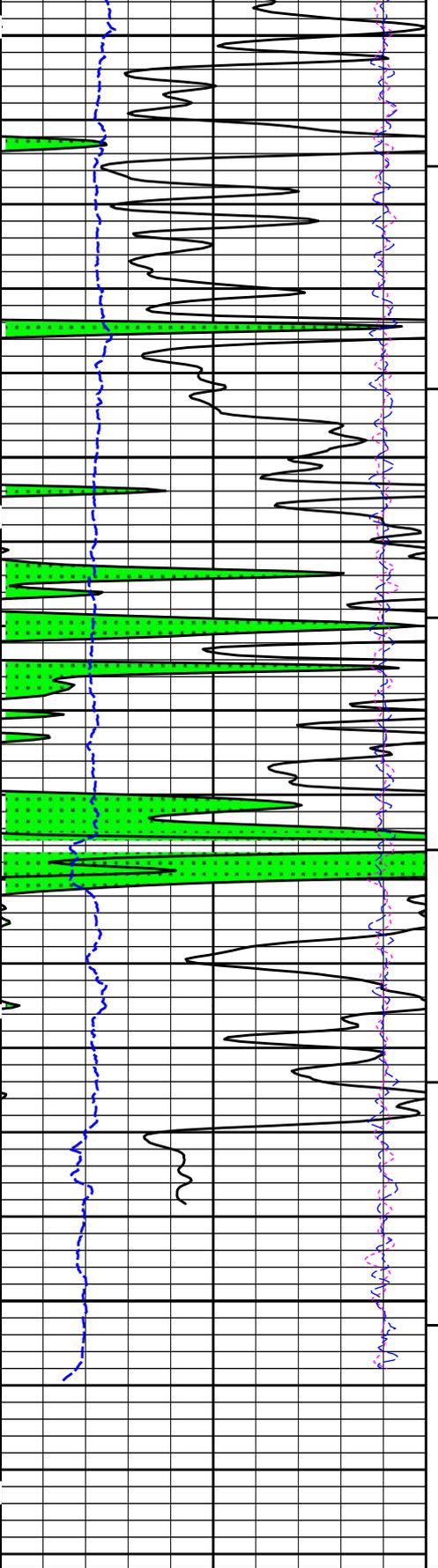
HALLIBURTON

Plot Time: 02-Oct-16 02:42:15
 Plot Range: 4298 ft to 4731.83 ft
 Data: ROSE_5-1\Well Based\REPEAT\
 Plot File: \\-LOCAL-ROSE_5-1\Well Based\POROSITY\BULKD_5_REP_LIB

REPEAT SECTION







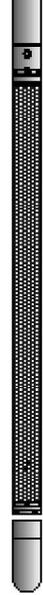
6	Caliper	16
	inches	
-18	NearQuality	2
18	FarQuality	-2
0	Gamma Ray	150
	api	
	SHALE	

MD	1 : 240
ft	
AHV	ft3
BHV	ft3

0	Pe	10	-0.25	DensityCorr	0.25
				g/cc	
			15K	Tension	0
				pounds	
2	Bulk Density				3
				g/cc	

ACRt Sonde-
11005909
200.00 lbs

Ø 3.625 in →



← ACRt @ 9.21 ft

14.22 ft

0.33 ft

0.33 ft

0.00 ft

Bull Nose-12345678
5.00 lbs

Ø 2.750 in →

Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
CH_HOS	Hostile Cable Head with Load Cell	0000025	37.50	3.03	53.29	300.00
XOHD	Hostile to Dits Cross Over	12345678	20.00	0.95	52.34	300.00
SP	SP Sub	11441455	60.00	3.74	48.60	300.00
GTET	Gamma Telemetry Tool	11048627	165.00	8.52	40.08	60.00
DSNT	Dual Spaced Neutron	11019643	174.00	9.69	30.40	60.00
DCNT	DSN Decentralizer	11019643	6.60	5.13 *	33.73	300.00
SDLT	Spectral Density Tool	10950489	360.00	10.81	19.58	60.00
SDLP	Density Insite Pad	10809130	65.00	2.55 *	21.79	60.00
MICP	Microlog Pad	10950489	8.00	1.00 *	22.08	60.00
ACRt	Array Compensated True Resistivity Instrument Section	11022962	50.00	5.03	14.55	120.00
OBCEN	Centralizer - 25 in. Overbody	12345679	8.00	2.08 *	16.09	300.00
ACRt	Array Compensated True Resistivity Sonde Section	11005909	200.00	14.22	0.33	120.00
BLNS	Bull Nose	12345678	5.00	0.33	0.00	300.00

Total			1,159.10	56.32		
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* Not included in Total Length and Length Accumulation.

Data: ROSE_5-110001 GTET-DSN-SDL-ACRTIDLE

Date: 02-Oct-16 00:30:38

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	9.800	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	0.748	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	4730.00	ft
	SHARED	BHT	Bottom Hole Temperature	123.0	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	
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	0.58	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	
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	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	DNTT	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	
Microlog Pad	MLOK	Process MicroLog 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	
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	SDLT	
ACRt Sonde	MBFL	Apply Corkscrew Effect?	No	

BOTTOM

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name: GTET - 11048627	Reference Calibration Date: 25-Jul-16 10:06:29
Engineer: MICHAEL RICHTER	Calibration Date: 19-Sep-16 03:51:24
Software Version: WL INSITE R5.0.5 (Build 8)	Calibration Version: 1

Calibrator Source S/N: TB-146
 Calibrator API Reference:265.00 api
 Equivalent Calibrator API Reference:269.6 api

Measurement	Measured	Calibrated	Units
Background	48.3	49.7	api
Background + Calibrator	310.1	319.4	api
Calibrator	261.8	269.6	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name: GTET - 11048627	Reference Calibration Date: 19-Sep-16 03:51:24
Engineer: MICHAEL RICHTER	Calibration Date: 19-Sep-16 03:55:07
Software Version: WL INSITE R5.0.5 (Build 8)	Calibration Version: 1

Calibrator Source S/N: TB-146
 Calibrator API Reference:265.00 api
 Equivalent Calibrator API Reference:269.6 api

Field Verification	Shop	Field	Units
Background	49.7	49.4	api
Background + Calibrator	319.4	321.6	api
Calibrator	269.6	272.2	api

Shop	Field	Difference	Tolerance
269.6	272.2	-2.6	+/- 9.00

DUAL SPACED NEUTRON SHOP CALIBRATION

Tool Name: DSNT - 11019643	Reference Calibration Date: 25-Jul-16 13:05:22
Engineer: COTHREN	Calibration Date: 29-Aug-16 10:19:59
Software Version: WL INSITE R5.0.5 (Build 8)	Calibration Version: 1

Logging Source S/N: DSN-424
 Tank Serial Number: 12345678
 Reference value assigned to Tank: 56.100
 Snow Block S/N: 12345678
 Calibration Tank Water Temperature: 79 degF
 Min. Tool Housing Outside Diameter: 3.625 in

CALIBRATION CONSTANTS			
Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	0.99590	0.99664	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):	0.2355	0.2358	0.0002	+/- 0.0020
Calibrated Ratio:	10.5518	10.5597	0.008	+/- 0.050

VERIFIER		
Measurement	Value	Control Limit
Snow-Block Porosity (decp):	0.0788	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 - 11019643	Reference Calibration Date: 29-Aug-16 10:19:59
Engineer: MICHAEL RICHTER	Calibration Date: 19-Sep-16 04:20:18
Software Version: WL INSITE R5.0.5 (Build 8)	Calibration Version: 1

Logging Source S/N: DSN-424

Snow Block S/N: 12345678

NEUTRON FIELD-CHECK SUMMARY

	Shop	Field	Difference	Control Limit On Change
Snow-Block Porosity (decp):	0.0788	0.0747	-0.0040	+/- 0.0150

PASS/FAIL SUMMARY

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

DENSITY CALIPER SHOP CALIBRATION

Tool Name: SDLT - 10950489	Reference Calibration Date: 16-Jun-16 11:07:12
Engineer: COTHREN	Calibration Date: 25-Jul-16 09:22:10
Software Version: WL INSITE R5.0.0 (Build 4)	Calibration Version: 1
Host Tool Name: DSNT - 11019643	

CALIBRATION COEFFICIENTS

Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-3798.26	-3922.84	-7000.00 - -1000.00
Pad Gain	0.0003847	0.0003897	0.0002000 - 0.0006000
Arm Offset	-3606.28	-3528.51	-5000.00 - 3000.00
Arm Gain	0.0004697	0.0004727	0.0003000 - 0.0007000
Arm Power	-0.000002187	-0.000002590	-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)	2.02	2.00	-0.02	+/- 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)	15.05	15.00	-0.05	+/- 0.20

PASS/FAIL SUMMARY

Calibration-Coefficients Range Check:	Passed
Ring-Measurement Check:	Passed

PASS/FAIL SUMMARY

Calibration-Coefficients Range Check:	Passed
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SDLT CALIPER FIELD CALIBRATION

Tool Name: SDLT - 10950489	Reference Calibration Date: 25-Jul-16 09:22:10
Engineer: COTHREN	Calibration Date: 31-Aug-16 13:24:18

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	8.25	0.00	+/- 0.15

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

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name: SDLT Pad - 10809130

Reference Calibration Date: 20-Sep-16 18:52:33

Engineer: MICHAEL RICHTER

Calibration Date: 20-Sep-16 19:12:21

Software Version: WL INSITE R5.0.5 (Build 8)

Calibration Version: 1

Logging Source S/N: 5168GW

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	1.0161	1.0173	0.90 - 1.10
Near Dens Gain	1.0063	1.0121	0.90 - 1.10
Near Peak Gain	1.0263	1.0331	0.90 - 1.10
Near Lith Gain	1.0105	1.0195	0.90 - 1.10
Far Bar Gain	1.0085	1.0081	0.90 - 1.10
Far Dens Gain	0.9965	0.9977	0.90 - 1.10
Far Peak Gain	0.9924	0.9943	0.90 - 1.10
Far Lith Gain	0.9660	0.9686	0.90 - 1.10
Near Bar Offset	0.1282	0.1180	NONE
Near Dens Offset	0.2103	0.1594	NONE
Near Peak Offset	0.0408	-0.0167	NONE
Near Lith Offset	0.1030	0.0282	NONE
Far Bar Offset	0.1030	0.1076	NONE
Far Dens Offset	0.1909	0.1806	NONE
Far Peak Offset	0.1805	0.1648	NONE
Far Lith Offset	0.3081	0.2908	NONE
Near Bar Background	766.30	767.24	700 - 1450
Near Dens Background	249.77	248.74	230 - 480
Near Peak Background	108.31	108.16	100 - 210
Near Lith Background	137.31	136.46	125 - 260
Far Bar Background	489.41	488.55	450 - 900
Far Dens Background	189.75	189.17	175 - 345
Far Peak Background	74.26	73.67	70 - 140
Far Lith Background	76.56	77.78	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	2.568	2.566	-0.002	+/- 0.150
ALUMINUM				
Density (g/cc)	2.580	2.580	-0.000	+/- 0.01500
Pe	3.129	3.140	0.011	+/- 0.150

TOOL SUMMARY				
Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	-0.0002	+/- 0.0110	0.0011	+/- 0.0140
Magnesium Block	-0.0002	+/- 0.0110	-0.0011	+/- 0.0140
Aluminum Block	-0.0005	+/- 0.0110	-0.0013	+/- 0.0140
Resolution	8.93	6.00 - 11.50	9.26	6.00 - 11.50
Internal Verifier(B+D+P+L)	1261	1200 - 2700	829	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: 20-Sep-16 19:12:21

Engineer: MICHAEL RICHTER

Calibration Date: 20-Sep-16 19:25:09

Software Version: WL INSITE R5.0.5 (Build 8)

Calibration Version: 1

Pad Temperature: 98.6 degF

DENSITY FIELD CALIBRATION SUMMARY				
Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1260.593	1263.897	3.304	14.390
Far (B+D+P+L) cps	829.172	828.619	-0.553	15.859
Near Resolution	8.93	8.95	0.020	0.50
Far Resolution	9.26	9.34	0.080	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-11048627						
Gamma Ray Calibrator	269.6	272.2	-----	-2.6	+/- 9.00	api
DSNT-11019643						
Snow-Block Porosity	0.0788	0.0747	-----	0.0041	+/- 0.0150	decp
SDLT-10950489						
Pad Extension	3.75	3.75	-----	0.00	+/-0.10	in
Ring Diameter	8.25	8.25	-----	0.00	+/-0.15	in
SDLT Pad-10809130						
Near(B+D+P+L)	1260.593	1263.897	-----	-3.304	+/-14.390	cps
Far(B+D+P+L)	829.172	828.619	-----	0.553	+/-15.859	cps

Data: ROSE_5-1\0001 GTET-DSN-SDL-ACRTIDLE

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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	56.32	NO	
BS	Bit Size	56.32	NO	
HDIA	Measured Hole Diameter	0.00	NO	
CH_HOS				
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	
Microlog Pad				
TPUL	Tension Pull	22.58	NO	
MINV	Microlog Lateral	22.58	BLK	0.750
MNOR	Microlog Normal	22.58	BLK	0.750
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	
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COMPANY	HARTMAN OIL CO., INC		
WELL	ROSE #5-1		
FIELD	AMERICAN BEAUTY		
COUNTY	WICHITA	STATE	KANSAS
HALLIBURTON		DUAL SPACED NEUTRON SPECTRAL DENSITY LOG	