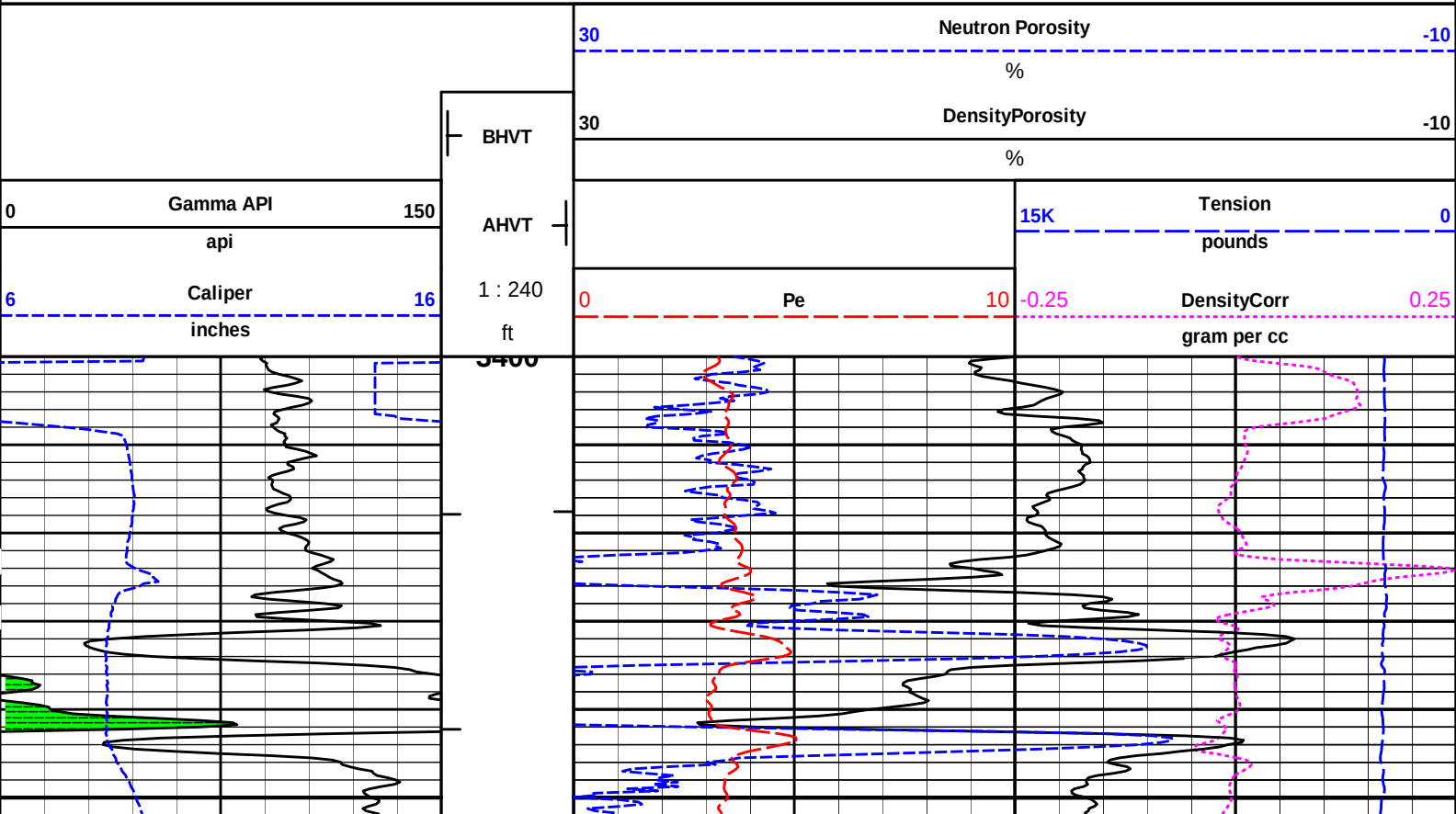
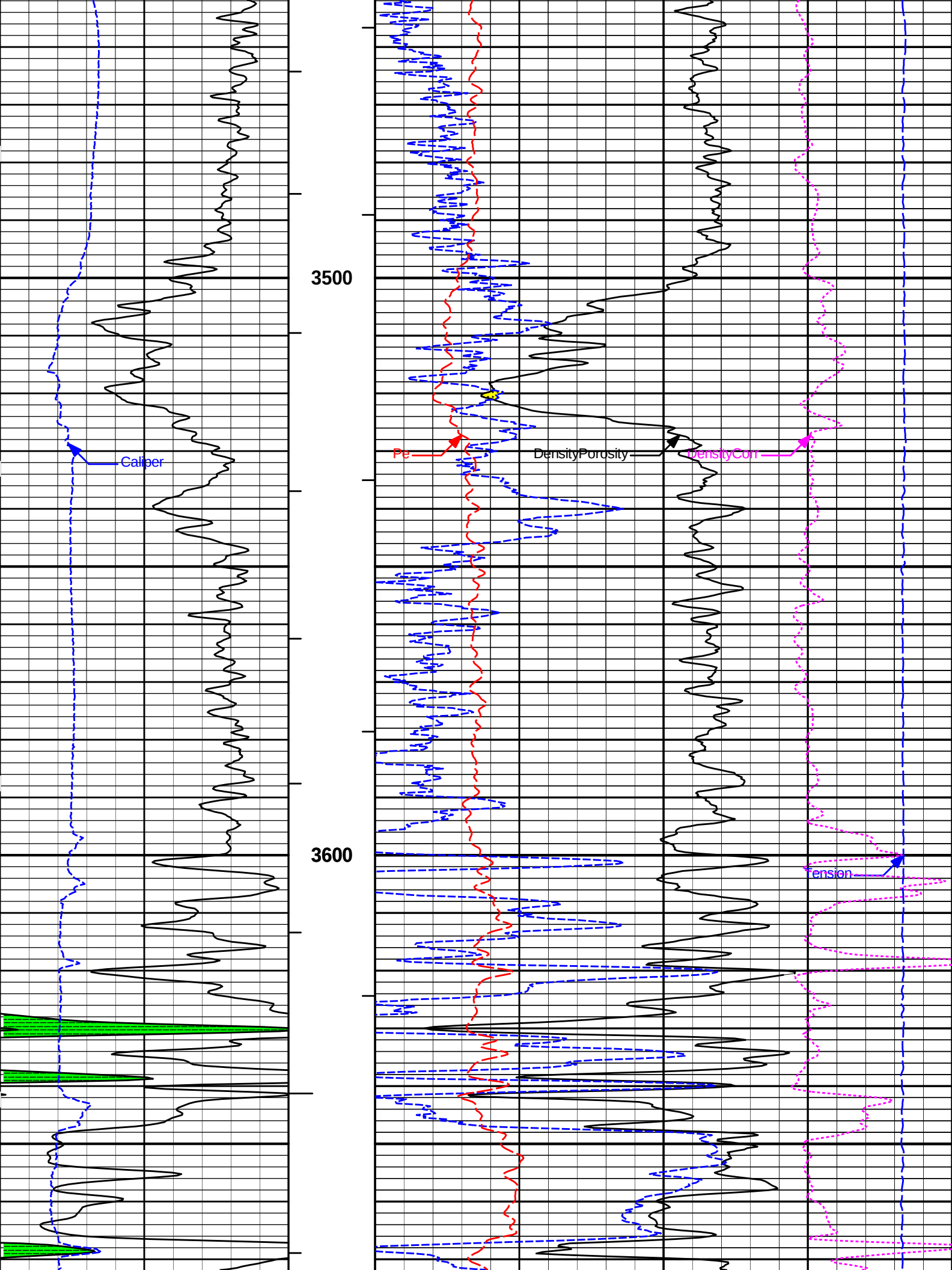


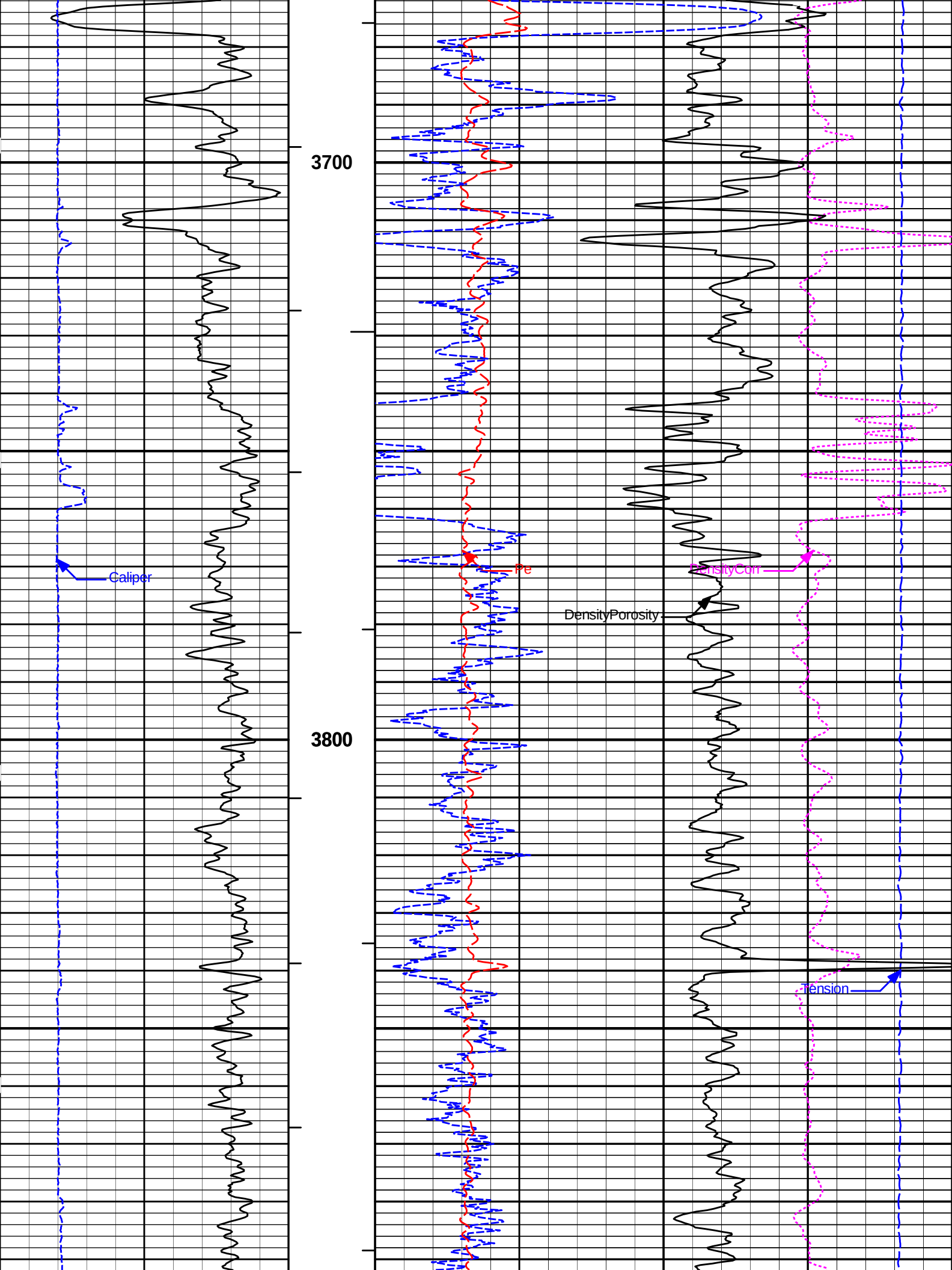
COMPANY				VAL ENERGY INC.			
WELL				THOM C 3-12			
FIELD				UNKNOWN			
COUNTY				BARBER			
STATE				KANSAS			
Permanent Datum		GL		API No.		Other Services:	
Log measured from		KB		Location		ACRT	
Drilling measured from		KB		2130' FNL & 495' FWL		MICROLOG	
Date	11-May-12	Elev. 1389.0 ft		Elev.: K.B.		1389.0 ft	
Run No.	ONE	D.F.		1398.0 ft		1399.0 ft	
Depth - Driller	4750.00 ft						
Depth - Logger	4748.0 ft						
Bottom - Logged Interval	4725.0 ft						
Top - Logged Interval	3400.0 ft						
Casing - Driller	8.625 in	@ 223.0 ft					
Casing - Logger	224.0 ft						
Bit Size	7.875 in	@					
Type Fluid in Hole	WATER						
Density	9.0 ppg	46.00 s/qt					
PH	11.50 pH	10.0 cp/m					
Source of Sample	FLOWLINE						
Rm @ Meas. Temperature	0.460 ohmm	@ 75.00 degF					
Rmf @ Meas. Temperature	0.35 ohmm	@ 75.00 degF					
Rmc @ Meas. Temperature	0.590 ohmm	@ 75.00 degF					
Source Rmf	MEAS	MEAS					
Rm @ BHT	0.29 ohmm	@ 123.0 degF					
Time Since Circulation	5.0 hr						
Time on Bottom	11-May-12 13:18						
Max. Rec. Temperature	115.0 degF	@ 4748.0 ft					
Equipment	336	LIBERAL					
Recorded By	J. BOLLOW						
Witnessed By	S. VANBUSKIRK						

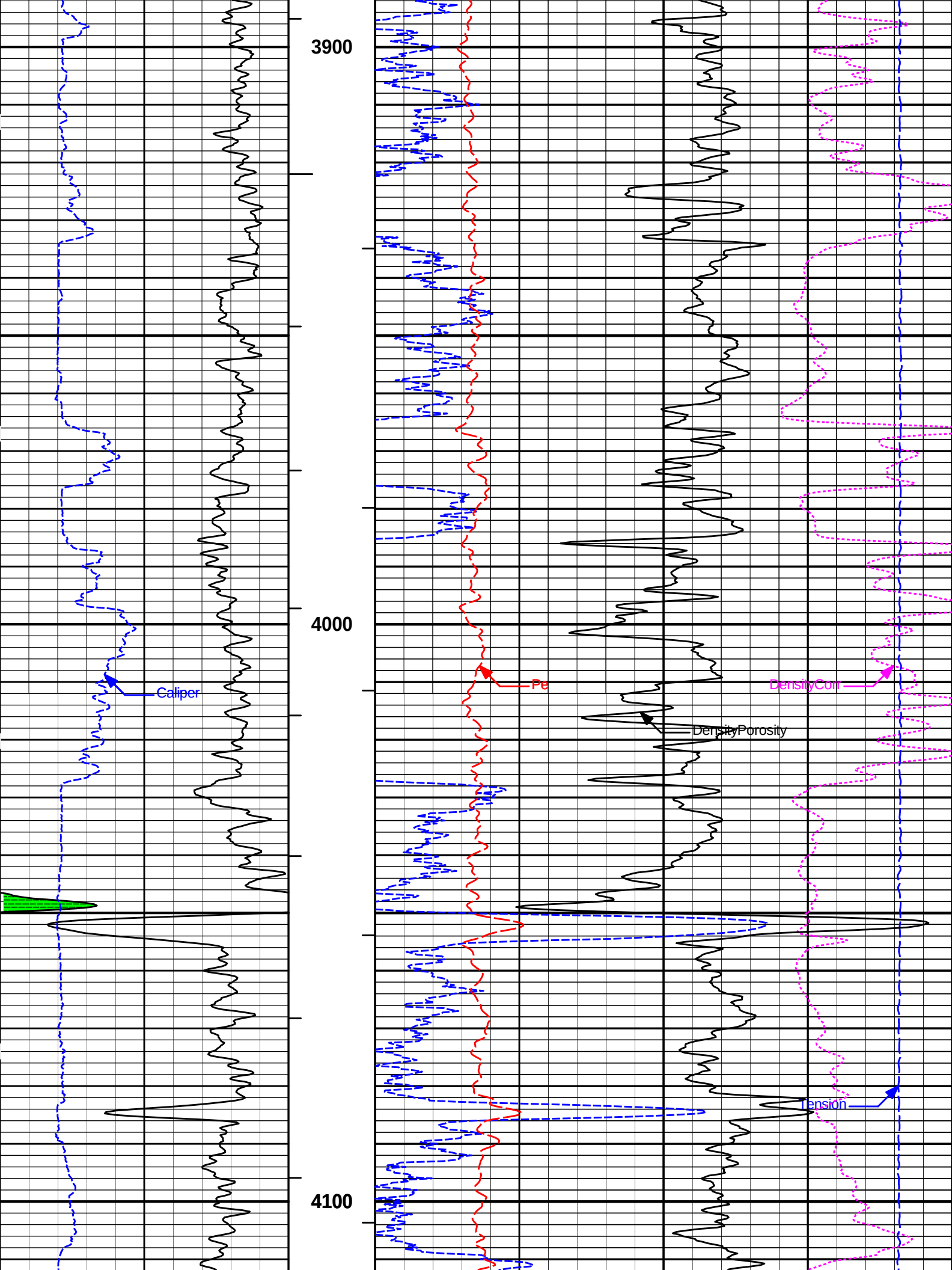
Fold here

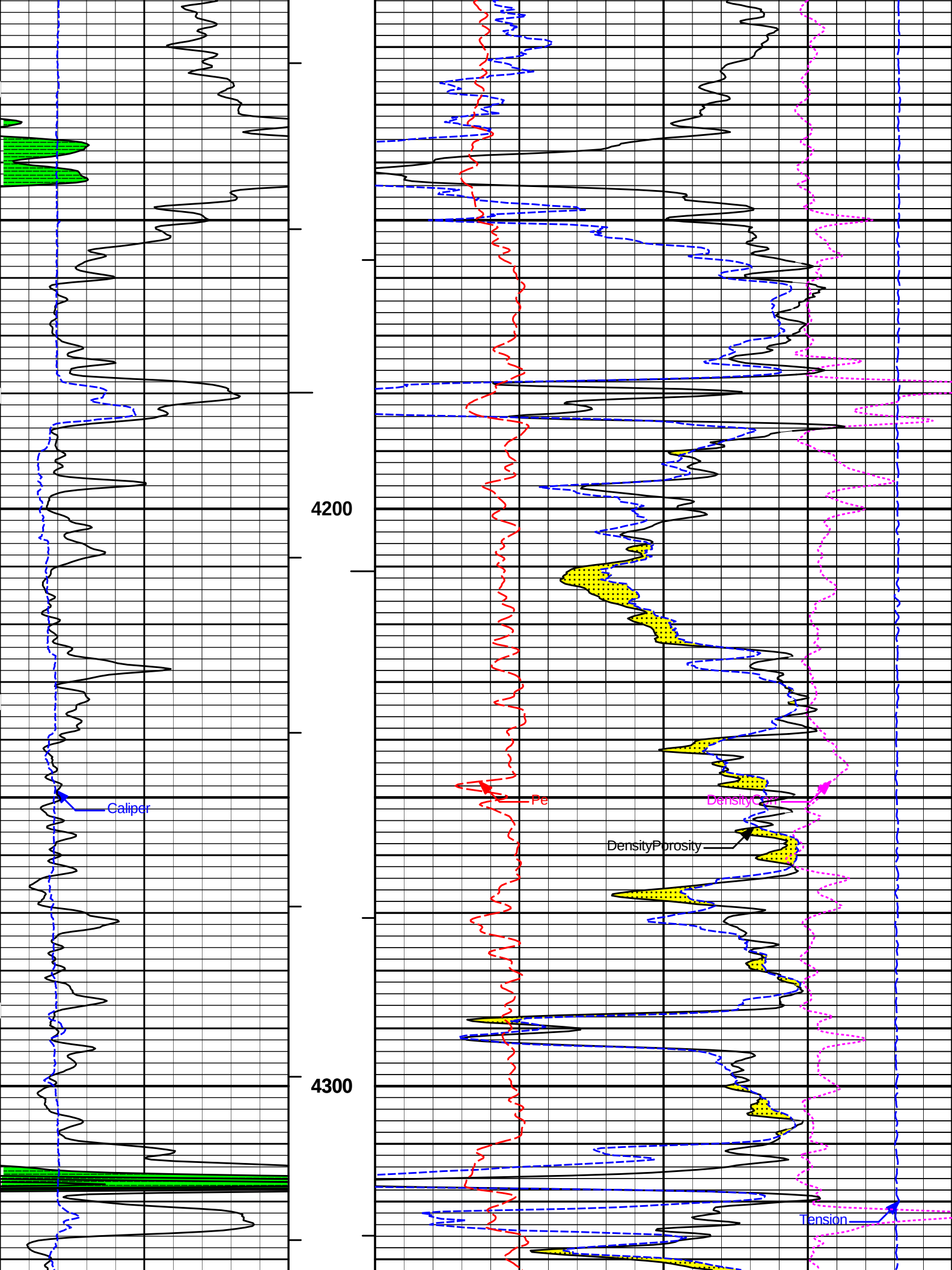
Service Ticket No.: 9504178					API Serial No.: 15-007-23871					PGM Version: WL INSITE R3.4.2 (Build 2)				
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE							RESISTIVITY SCALE CHANGES							
Date	Sample No.						Type Log	Depth	Scale Up Hole		Scale Down Hole			
Depth-Driller														
Type Fluid in Hole														
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.		@			@									
Rmc @ Meas. Temp.		@			@									
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.	11021039		Serial No.			Serial No.	I947M315		Serial No.	11023947				
Model No.	GTET		Model No.			Model No.	SDLT-I		Model No.	DSNT-I				
Diameter	3.625"		No. of Cent.			Diameter	4.5"		Diameter	3.625"				
Detector Model No.	GTET		Spacing			Log Type	GAM-GAM		Log Type	NEU-NEU				
Type	SCINT					Source Type	CS137		Source Type	AM241BE				
Length	8'		LSA [Y/N]			Serial No.	5155GW		Serial No.	DSN 439				
Distance to Source	10'		FWDA [Y/N]			Strength	1.5 CI		Strength	15 CI				

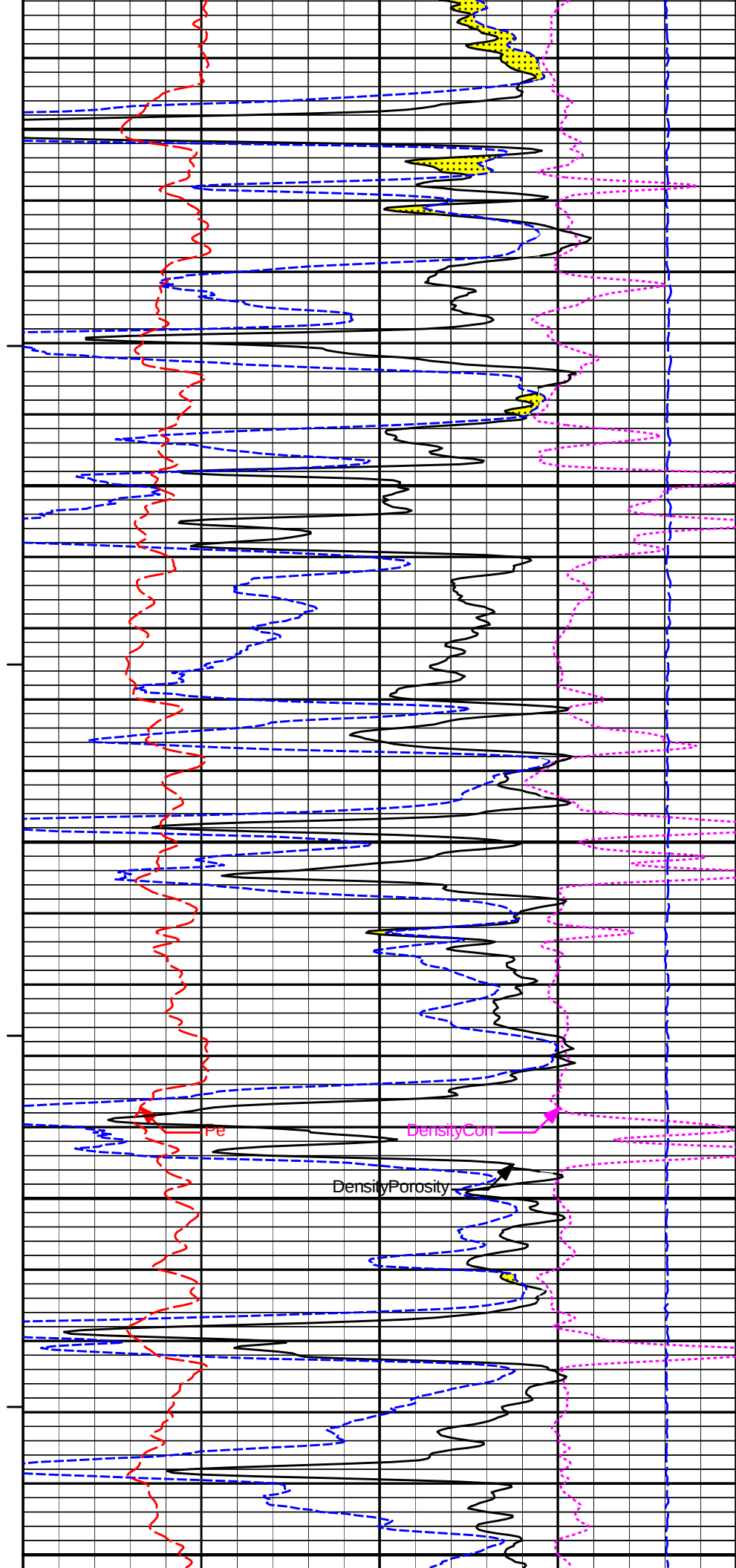
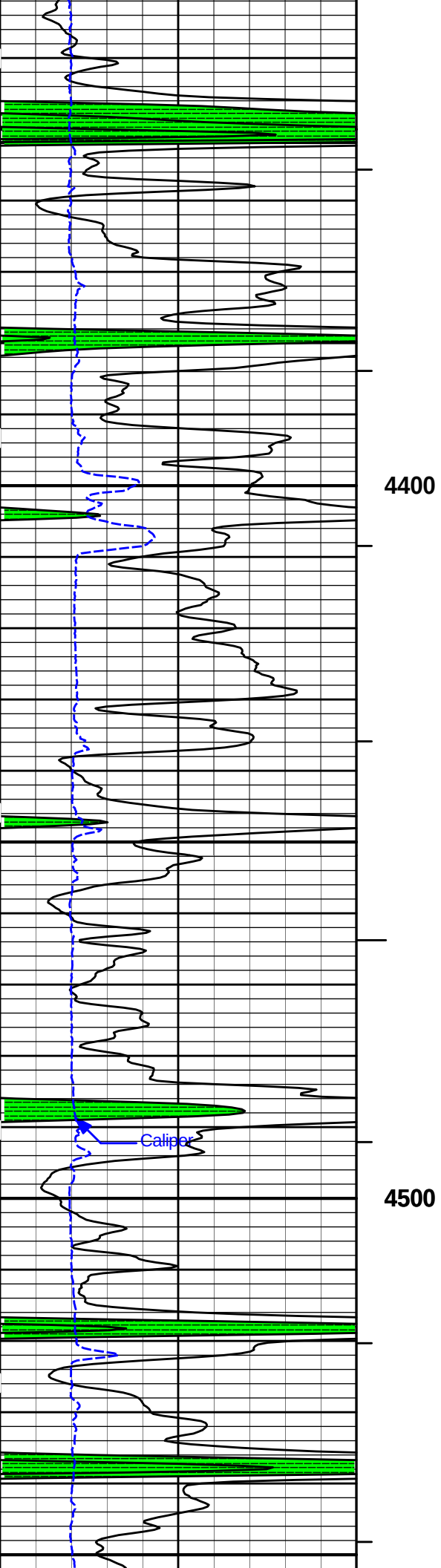


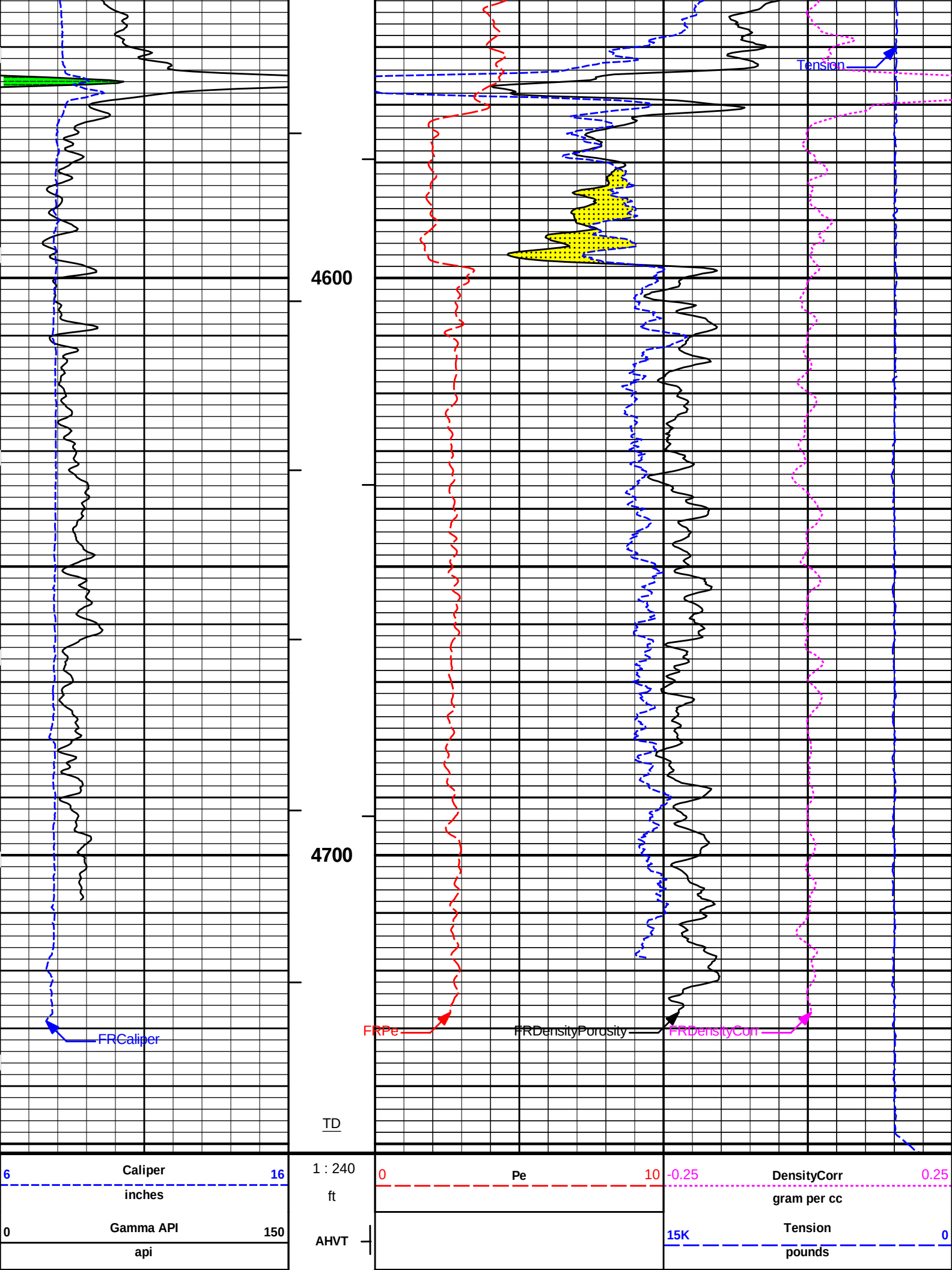












BHVT	30	DensityPorosity	-10
		%	
	30	Neutron Porosity	-10
		%	

HALLIBURTON

Plot Time: 11-May-12 16:37:52
Plot Range: 3400 ft to 4751.5 ft
Data: THOM_C_3_12\Well Based\DETAIL\
Plot File: \\PORO\Porosity_Q_5_MAIN

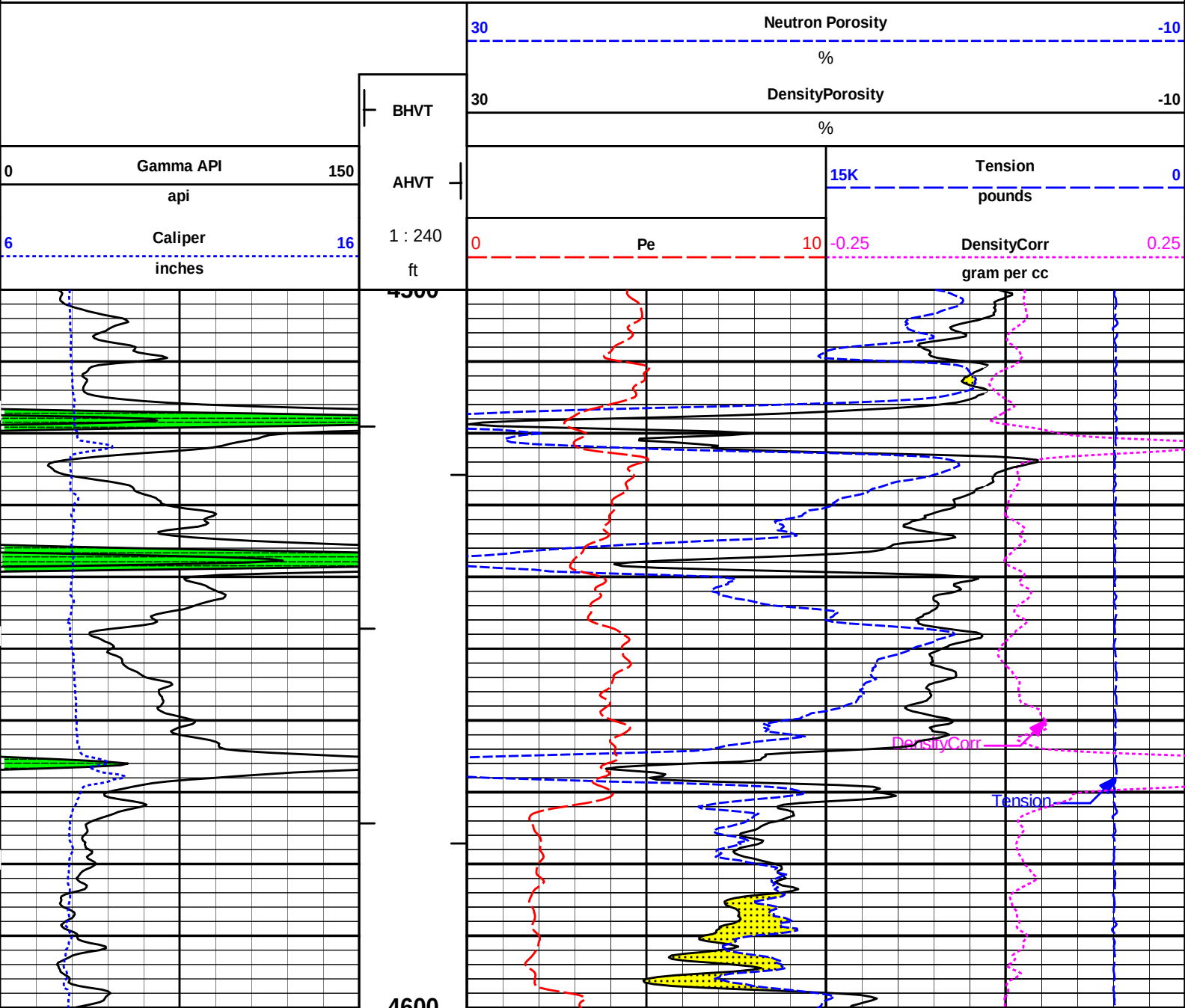
5 INCH MAIN LOG

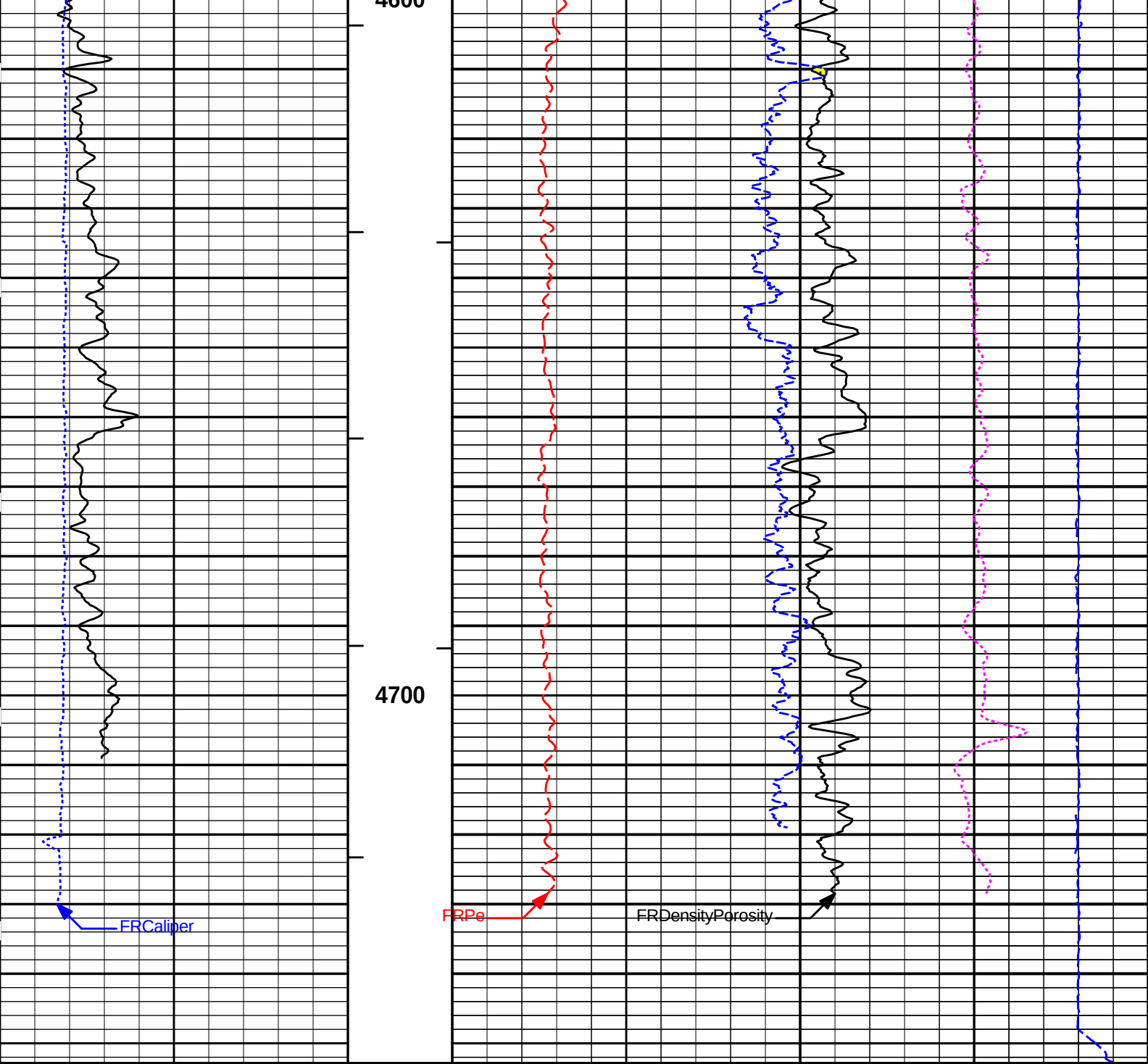
BHVT	30	DensityPorosity	-10
		%	
	30	Neutron Porosity	-10
		%	

HALLIBURTON

Plot Time: 11-May-12 16:37:53
Plot Range: 4500 ft to 4752.83 ft
Data: THOM_C_3_12\Well Based\REPEAT\
Plot File: \\PORO\Porosity_Q_5_REP

REPEAT SECTION





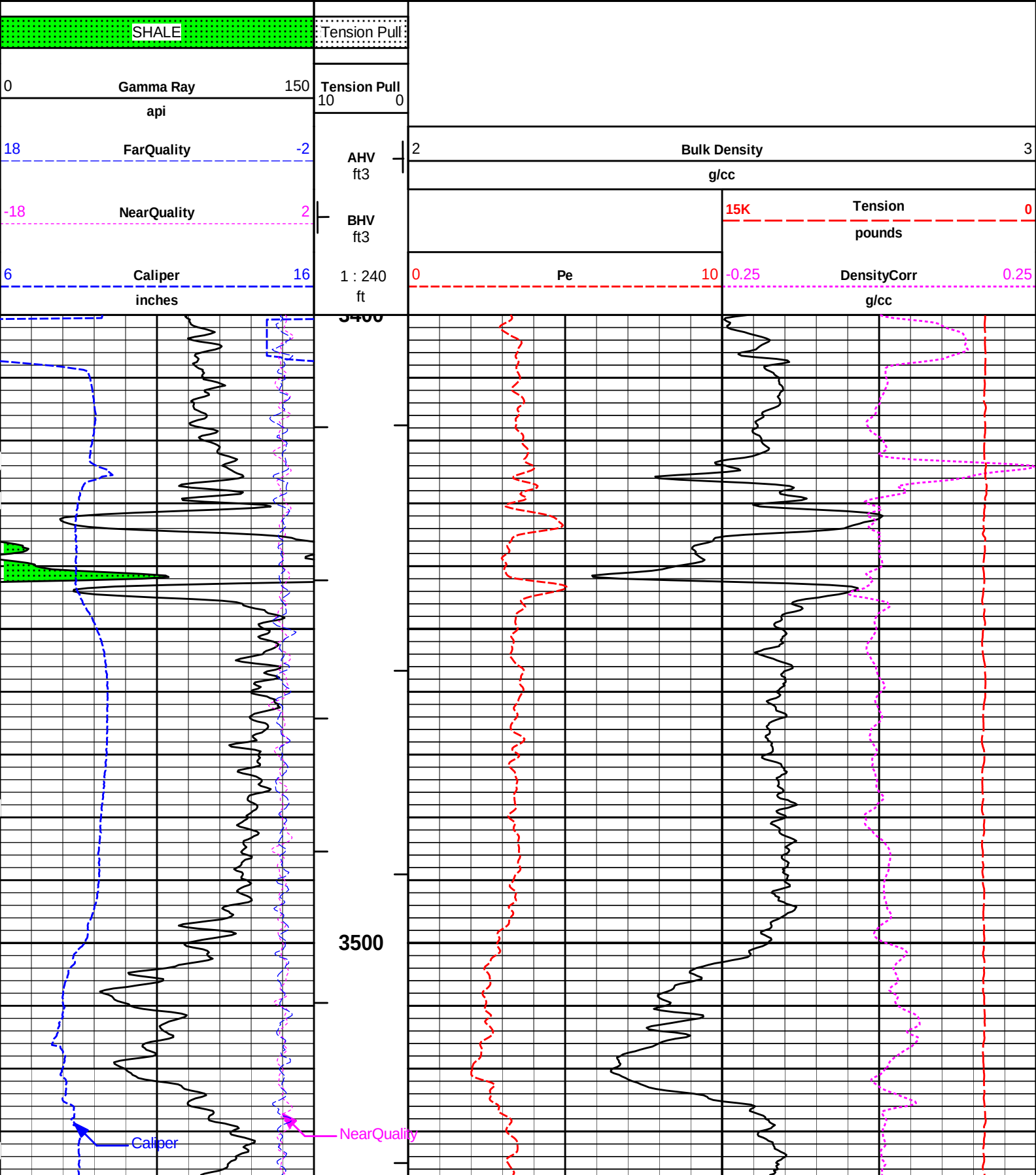
6	Caliper	16	1 : 240	0	Pe	10	-0.25	DensityCorr	0.25
	inches		ft					gram per cc	
0	Gamma API	150	AHVT				15K	Tension	0
	api							pounds	
			BHVT	30	DensityPorosity				-10
					%				
				30	Neutron Porosity				-10
					%				

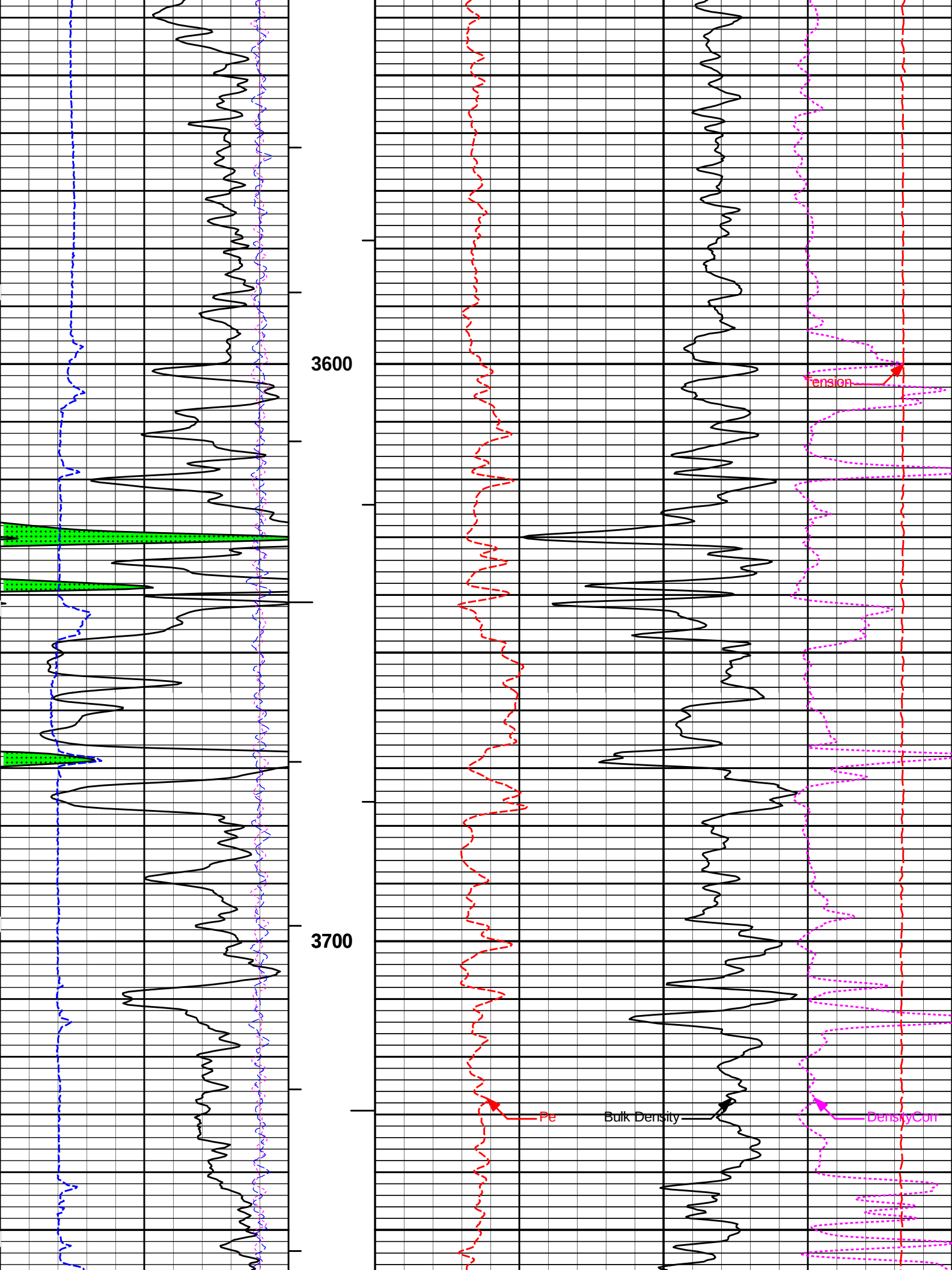
HALLIBURTON

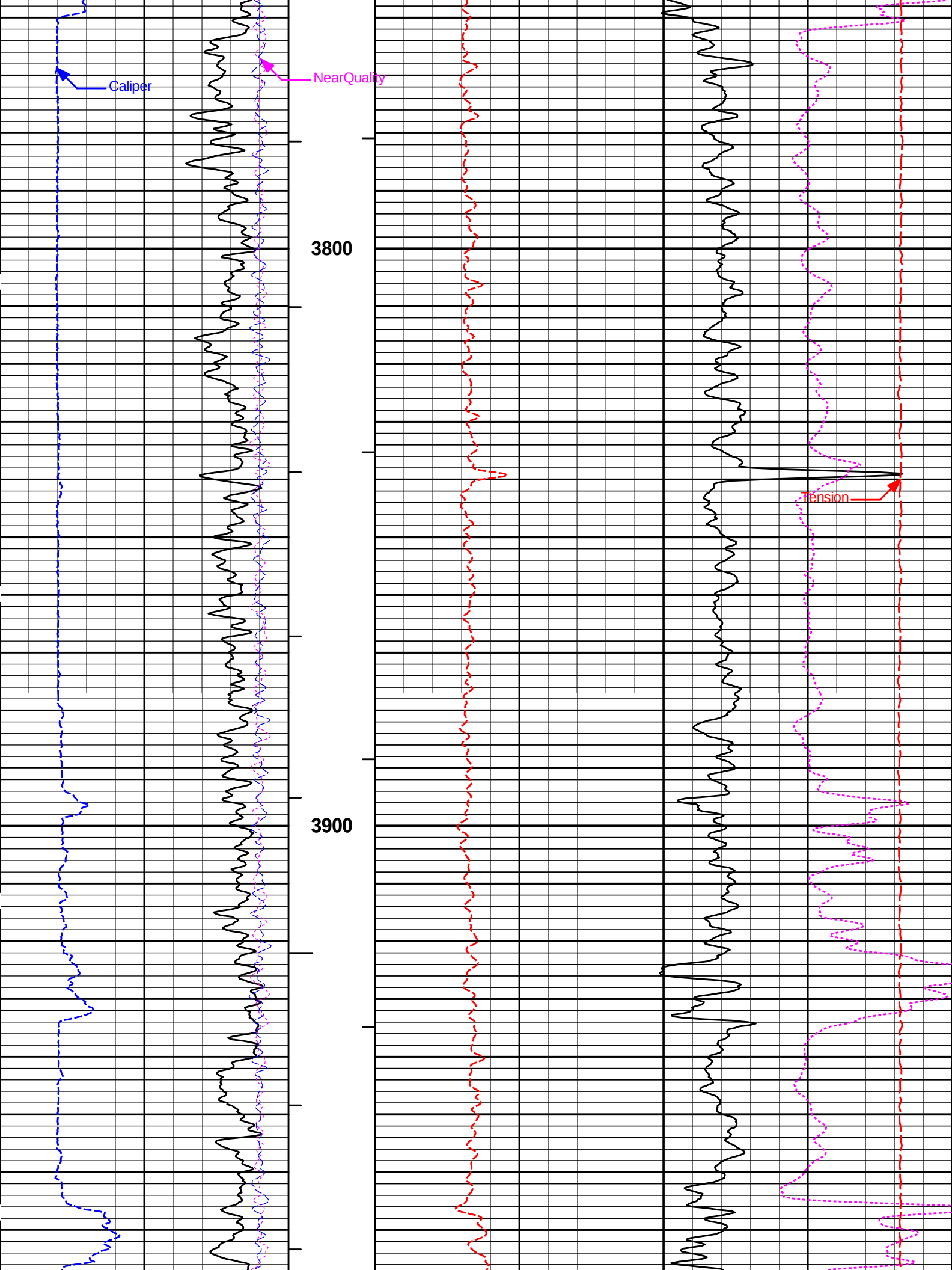
Plot Time: 11-May-12 16:37:55
Plot Range: 4500 ft to 4752.83 ft
Data: THOM_C_3_12\Well Based\REPEAT\
Plot File: \\POROI\Poroi_Q_5_REP

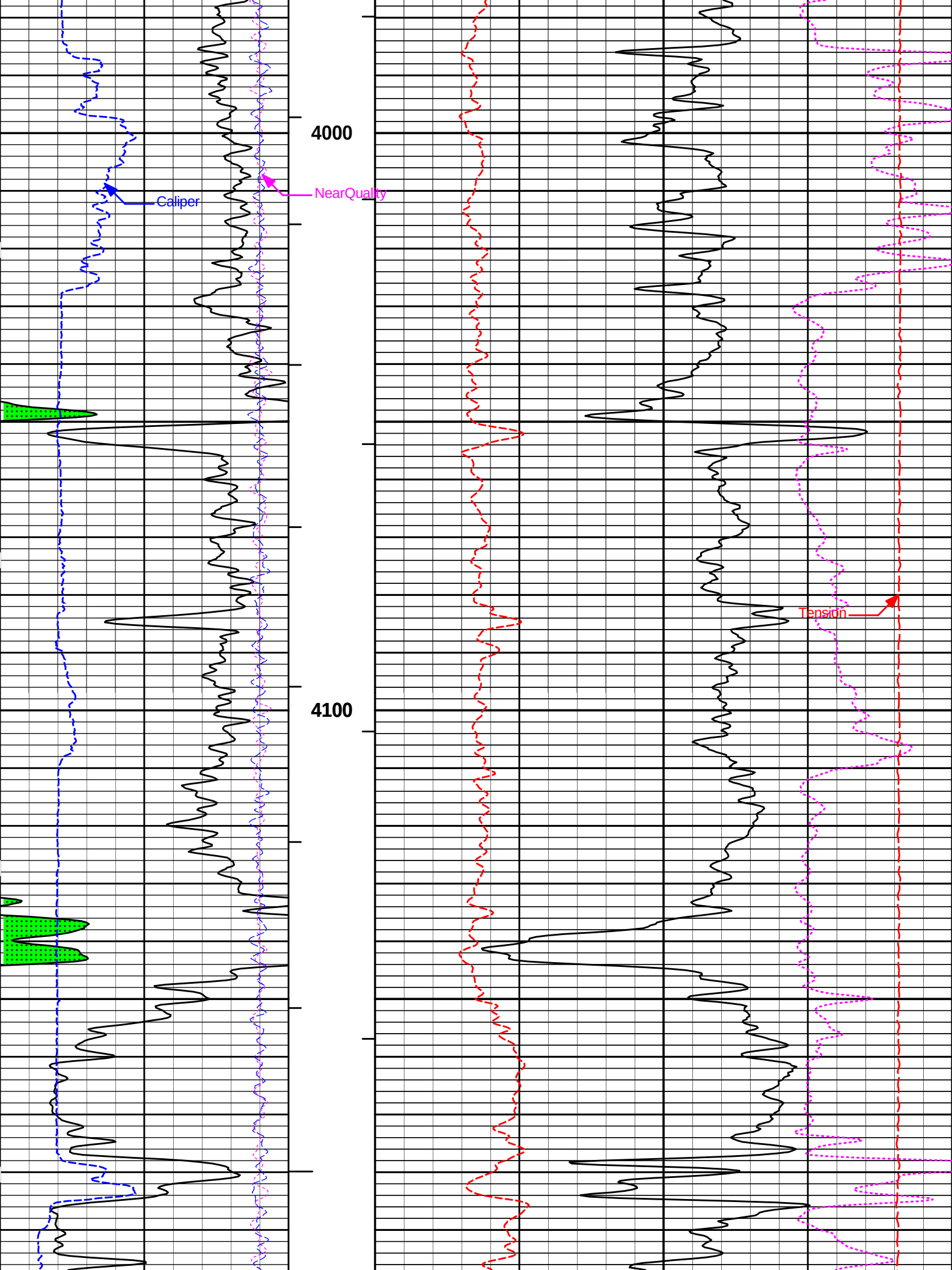
REPEAT SECTION

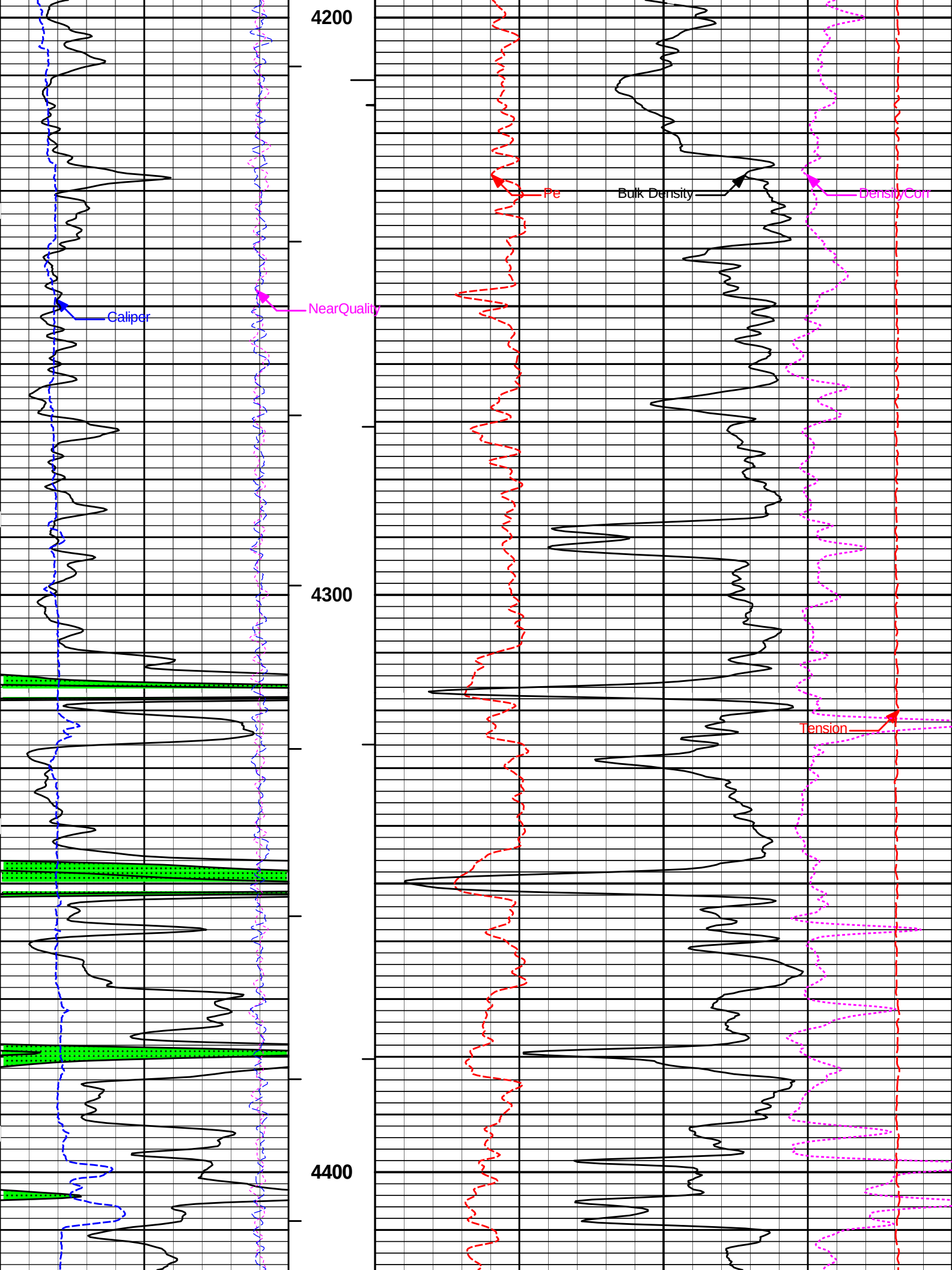
5 INCH MAIN LOG

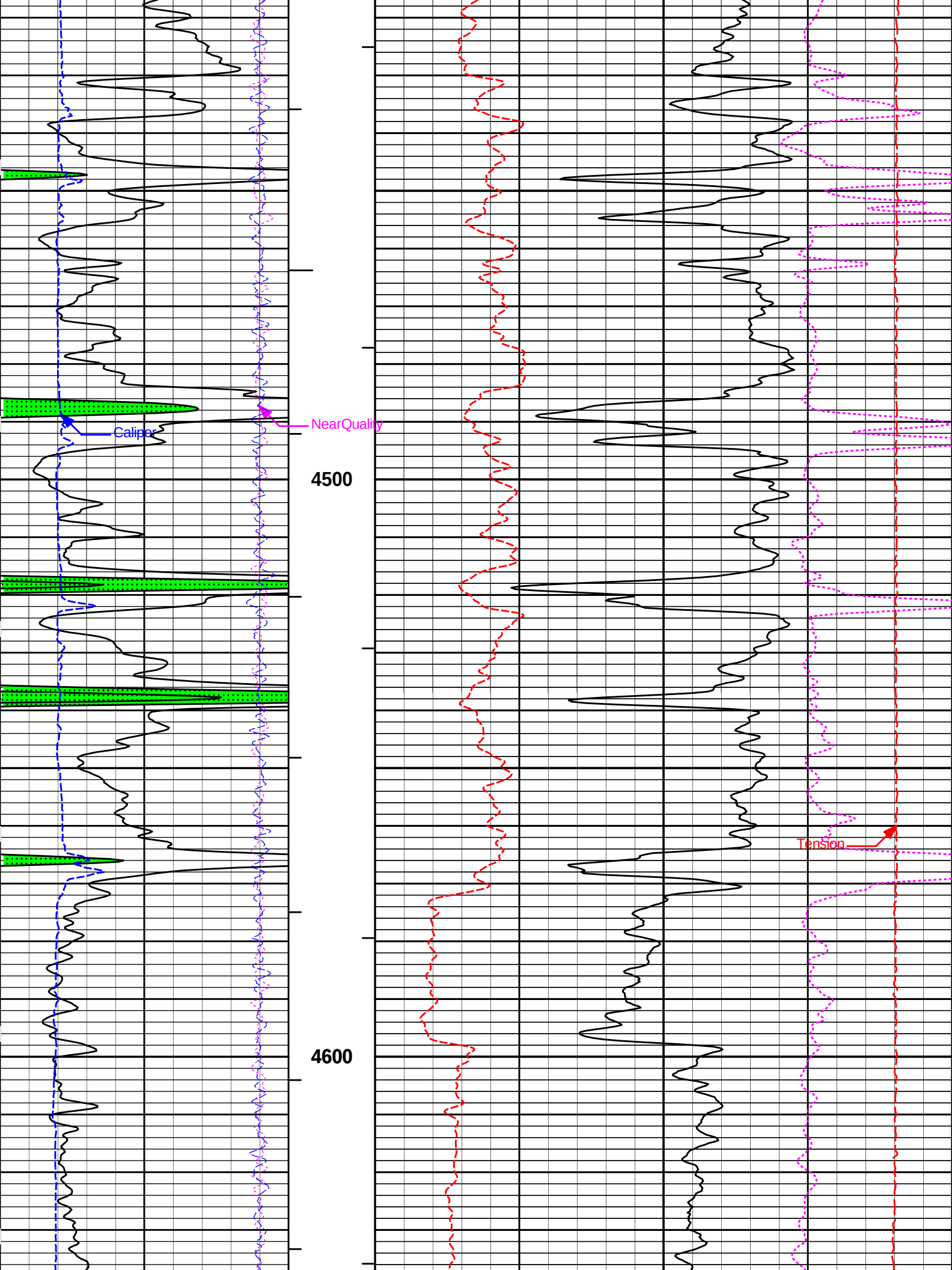


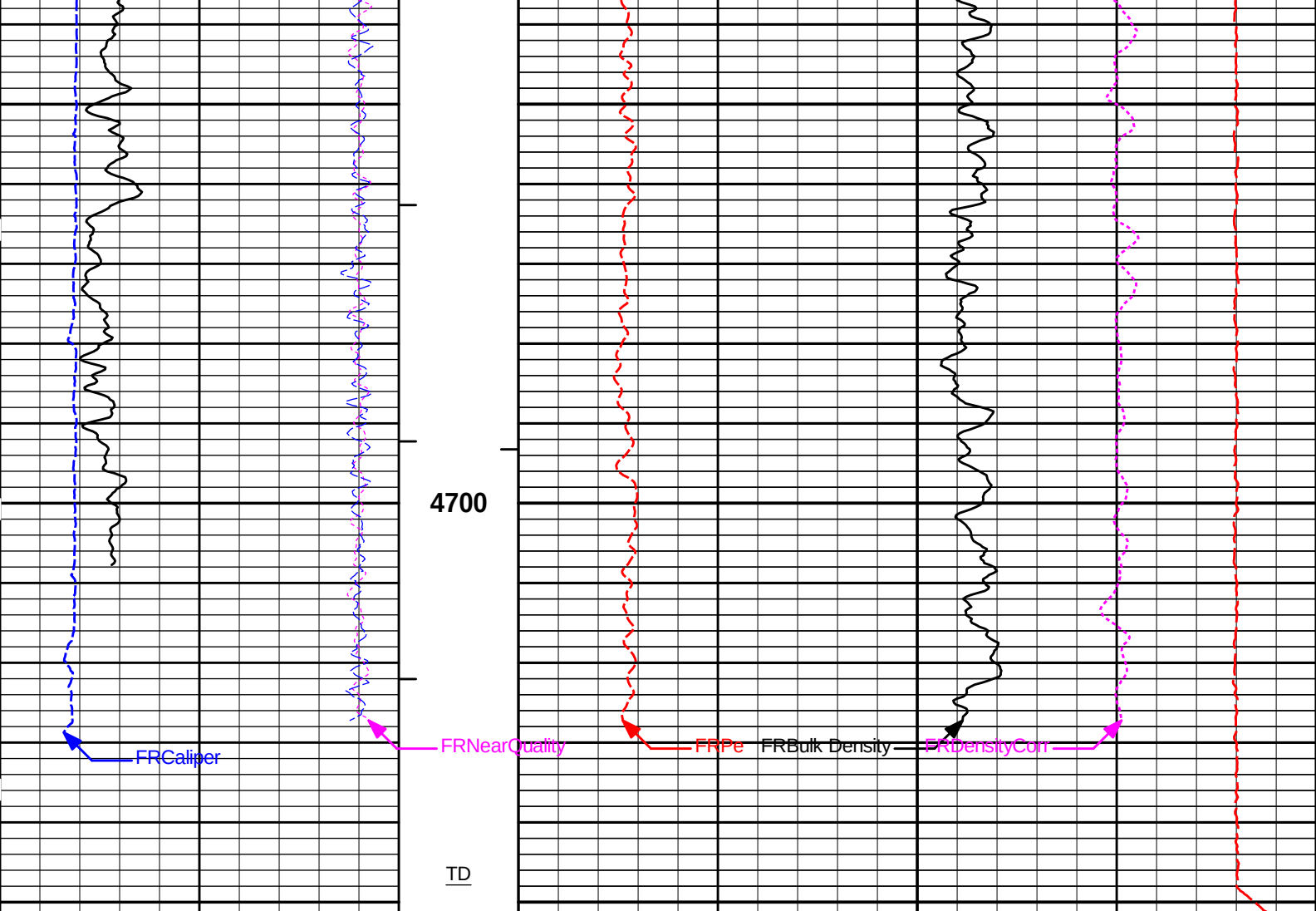












6	Caliper	16	1 : 240	0	Pe	10	-0.25	DensityCorr	0.25
	inches		ft					g/cc	
-18	NearQuality	2	BHV				15K	Tension	0
			ft3					pounds	
18	FarQuality	-2	AHV	2	Bulk Density				3
			ft3		g/cc				
0	Gamma Ray	150	Tension Pull						
	api		10	0					
	SHALE		Tension Pull						

HALLIBURTON

Plot Time: 11-May-12 16:37:58
Plot Range: 3400 ft to 4751.5 ft
Data: THOM_C_3_12\Well Based\DETAIL\
Plot File: \\-LOCAL-\\THOM_C_3_12\0001 GTET-DSNT-SDLT-ACRT\PORO\BULKD_5_MAIN_LIB

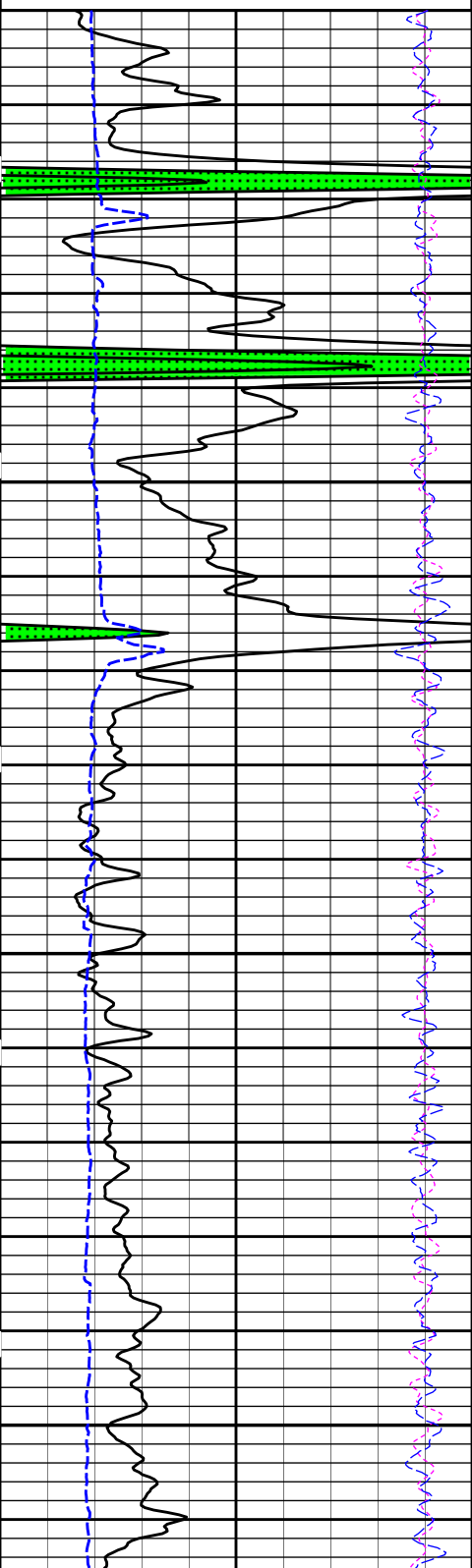
5 INCH MAIN LOG

HALLIBURTON

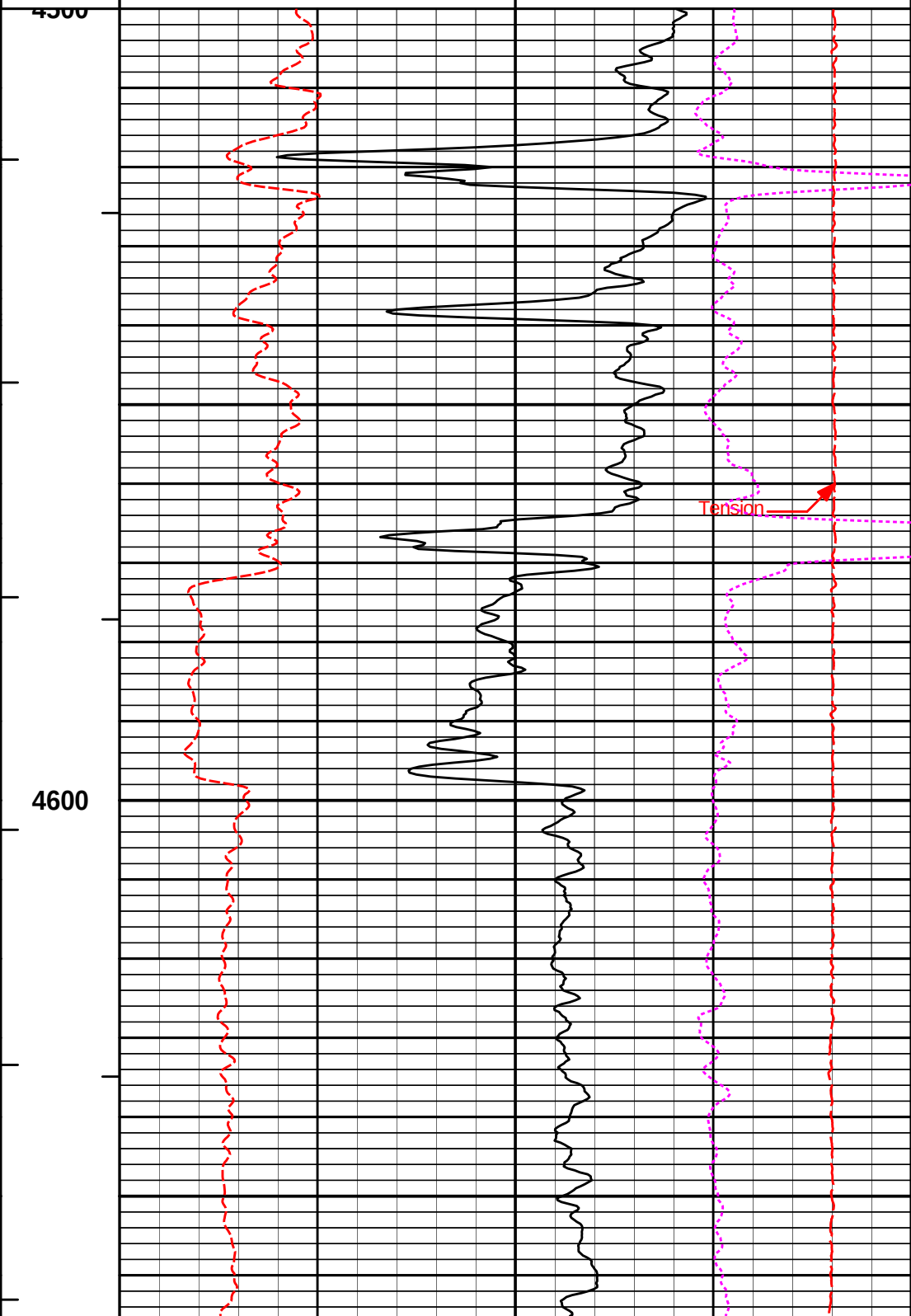
Plot Time: 11-May-12 16:37:58
Plot Range: 4500 ft to 4752.83 ft
Data: THOM_C_3_12\Well Based\REPEAT\
Plot File: \\-LOCAL-\\THOM_C_3_12\0001 GTET-DSNT-SDLT-ACRT\PORO\BULKD_5_REP_LIB

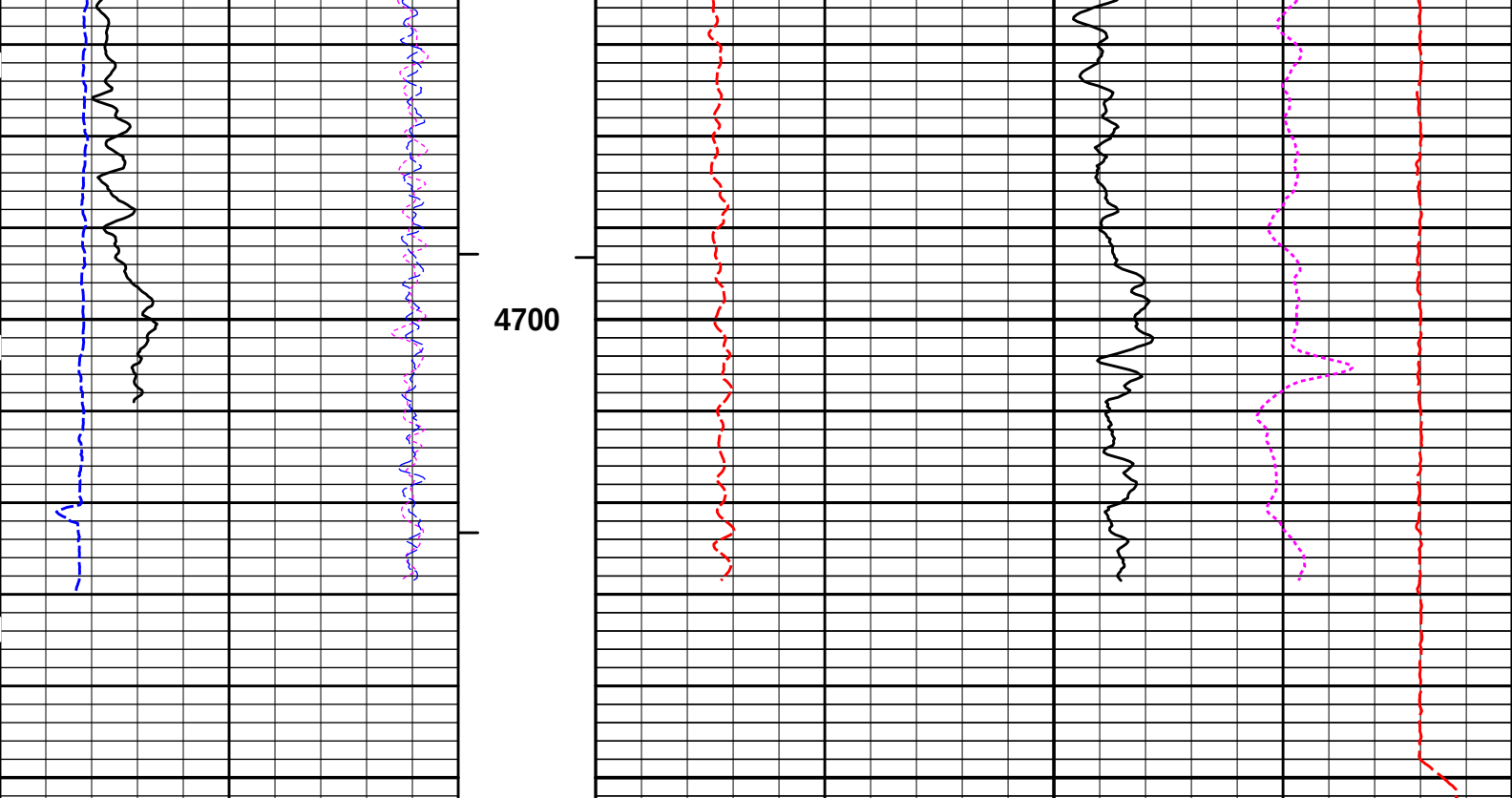
REPEAT SECTION

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



AHV		Bulk Density	
ft3		g/cc	
BH		Tension	
ft3		pounds	
1 : 240		DensityCorr	
ft		g/cc	
Pe			





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

HALLIBURTON

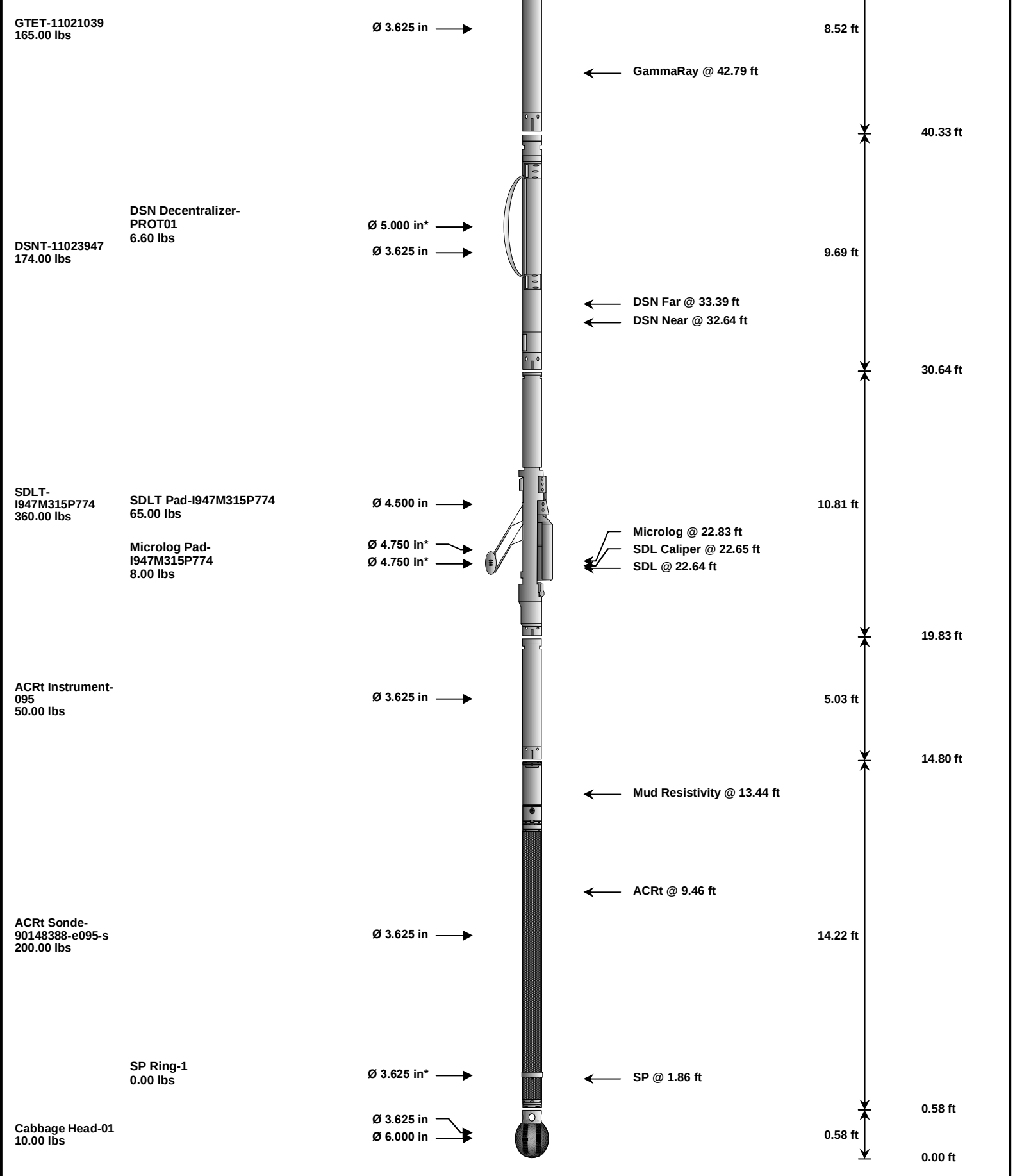
Plot Time: 11-May-12 16:37:59
Plot Range: 4500 ft to 4752.83 ft
Data: THOM_C_3_12\Well Based\REPEAT\
Plot File: \\-LOCAL-THOM_C_3_12\0001 GTET-DSNT-SDLT-ACRT\PORO\BULKD_5_REP_LIB

REPEAT SECTION

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
CH_HOS-336-I 37.50 lbs		Ø 2.750 in		Temperature @ 50.85 ft	3.03 ft	51.88 ft 48.85 ft



Mnemonic		Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
CH_HOS	Hostile Cable Head with Load Cell		336-I	37.50	3.03	48.85	300.00
GTET	Gamma Telemetry Tool		11021039	165.00	8.52	40.33	60.00
DSNT	Dual Spaced Neutron		11023947	174.00	9.69	30.64	60.00
DCNT	DSN Decentralizer		PROT01	6.60	5.13 *	33.97	300.00
SDLT	Spectral Density Tool		I947M315P774	360.00	10.81	19.83	60.00
MICP	Microlog Pad		I947M315P774	8.00	1.00 *	22.33	60.00
SP-R	SP Ring			0.00	0.00	22.33	60.00
CH-01	Cabbage Head			10.00	0.00	22.33	60.00

SDLP	Density Insite Pad	I947M315P774	65.00	2.55	*	22.04	60.00
ACRt	Array Compensated True Resistivity Instrument Section	095	50.00	5.03		14.80	300.00
ACRt	Array Compensated True Resistivity	90148388-e095-s	200.00	14.22		0.58	300.00
SP	SP Ring	1	0.00	0.25	*	1.86	300.00
CBHD	Cabbage Head	01	10.00	0.58		0.00	300.00
Total			1,076.10	51.88			
* Not included in Total Length and Length Accumulation.							Date: 11-May-12 12:55:47
Data: THOM_C_3_12I0001 GTET-DSNT-SDLT-ACRTIDLE							

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:	GTET - 11021039	Reference Calibration Date:	24-Feb-12 13:14:31
Engineer:	BOMAR	Calibration Date:	05-Apr-12 15:06:59
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

Calibrator Source S/N: MP051807-02

Calibrator API Reference:234.00 api

Equivalent Calibrator API Reference:238.1 api

Measurement	Measured	Calibrated	Units
Background	28.9	31.5	api
Background + Calibrator	247.4	269.6	api
Calibrator	218.5	238.1	api

DUAL SPACED NEUTRON SHOP CALIBRATION

Tool Name:	DSNT - 11023947	Reference Calibration Date:	29-Mar-12 10:32:54
Engineer:	BOMAR	Calibration Date:	27-Apr-12 10:28:11
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

Logging Source S/N: DSN_439

Tank Serial Number: FTSM

Reference value assigned to Tank: 56.100

Snow Block S/N: 336

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:	0.998	1.002	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):	0.2346	0.2358	0.0011	+/- 0.0020
Calibrated Ratio:	10.52	10.56	0.038	+/- 0.050

VERIFIER		
Measurement	Value	Control Limit
Snow-Block Porosity (decp):	0.0835	0.02000 - 0.09000

PASS/FAIL SUMMARY

PASS/FAIL SUMMARY				
Background Check:		Passed		
Gain-Range Check:		Passed		
Snow-Block Check:		Passed		
DUAL SPACED NEUTRON FIELD CALIBRATION				
Tool Name:	DSNT - 11023947		Reference Calibration Date:	27-Apr-12 10:28:11
Engineer:	J. BOLLUM		Calibration Date:	09-May-12 23:24:55
Software Version:	WL INSITE R3.4.2 (Build 2)		Calibration Version:	1
Logging Source S/N: DSN_439				
Snow Block S/N: 336				
NEUTRON FIELD-CHECK SUMMARY				
	Shop	Field	Difference	Control Limit On Change
Snow-Block Porosity (decp):	0.0835	0.0813	-0.0022	+/- 0.0150
PASS/FAIL SUMMARY				
Block Change Check:		Passed		
Snow Block Stat Check:		Passed		
Temperature Check:		Passed		
DENSITY CALIPER SHOP CALIBRATION				
Tool Name:	SDLT - I947M315P774		Reference Calibration Date:	22-Apr-12 22:04:02
Engineer:	BOMAR		Calibration Date:	22-Apr-12 22:09:21
Software Version:	WL INSITE R3.4.2 (Build 2)		Calibration Version:	1
CALIBRATION COEFFICIENTS				
Measurement	Previous Value	New Value	Control Limit On New Value	
Pad Offset	-1841.81	-1782.38	-7000.00 - -1000.00	
Pad Gain	0.0003752	0.0003738	0.000200 - 0.000600	
Arm Offset	-801.46	-810.35	-5000.00 - 3000.00	
Arm Gain	0.0005124	0.0005071	0.000300 - 0.000700	
Arm Power	-0.000004895	-0.000004564	-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)	1.99	2.00	0.01	+/- 0.20
Medium Ring (in)	3.74	3.75	0.01	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.50	6.50	0.00	+/- 0.20
Medium Ring (in)	8.26	8.25	-0.01	+/- 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		
SPECTRAL DENSITY SHOP CALIBRATION				
Tool Name:	SDLT Pad - I947M315P774		Reference Calibration Date:	22-Apr-12 21:22:42

Engineer: BOMAR		Calibration Date: 22-Apr-12 21:41:22	
Software Version: WL INSITE R3.4.2 (Build 2)		Calibration Version: 1	

Logging Source S/N: 5155GW

Aluminum Block S/N: FTSM

Magnesium Block S/N: FTSM

Density: 2.581g/cc

Density: 1.687g/cc

Pe: 3.170

Pe: 2.594

DENSITY CALIBRATION SUMMARY			
Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	1.0272	1.0694	0.90 - 1.10
Near Dens Gain	1.0112	1.0392	0.90 - 1.10
Near Peak Gain	1.0148	1.0759	0.90 - 1.10
Near Lith Gain	1.0312	1.0696	0.90 - 1.10
Far Bar Gain	1.0071	1.0141	0.90 - 1.10
Far Dens Gain	0.9946	1.0004	0.90 - 1.10
Far Peak Gain	0.9935	0.9968	0.90 - 1.10
Far Lith Gain	0.9769	0.9832	0.90 - 1.10
Near Bar Offset	-0.0345	-0.4249	NONE
Near Dens Offset	0.1079	-0.1425	NONE
Near Peak Offset	0.0659	-0.4461	NONE
Near Lith Offset	-0.0848	-0.4076	NONE
Far Bar Offset	0.0469	-0.0184	NONE
Far Dens Offset	0.1515	0.0965	NONE
Far Peak Offset	0.1480	0.1189	NONE
Far Lith Offset	0.2684	0.2153	NONE
Near Bar Background	965.72	965.05	700 - 1450
Near Dens Background	317.86	316.79	230 - 480
Near Peak Background	139.53	138.63	100 - 210
Near Lith Background	167.79	170.51	125 - 260
Far Bar Background	522.89	523.46	450 - 900
Far Dens Background	204.89	202.03	175 - 345
Far Peak Background	80.59	80.91	70 - 140
Far Lith Background	84.14	83.68	75 - 145

CALIBRATION BLOCK SUMMARY				
Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.687	1.687	0.000	+/- 0.015
Pe	2.553	2.553	0.000	+/- 0.150
ALUMINUM				
Density (g/cc)	2.580	2.581	0.001	+/- 0.01500
Pe	3.117	3.125	0.008	+/- 0.150

TOOL SUMMARY				
Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	0.0005	+/- 0.0110	0.0001	+/- 0.0140
Magnesium Block	0.0001	+/- 0.0110	0.0009	+/- 0.0140
Aluminum Block	0.0004	+/- 0.0110	0.0008	+/- 0.0140

Resolution	9.34	6.00 - 11.50	9.11	6.00 - 11.50
Internal Verifier(B+D+P+L)	1591	1200 - 2700	890	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				

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11021039						
Gamma Ray Calibrator	238.1	-----	-----	0.0	+/- 9.00	api
DSNT-11023947						
Snow-Block Porosity	0.0835	0.0813	-----	0.0022	+/- 0.0150	decp
SDLT-I947M315P774						
Pad Extension	3.75	-----	-----	0.00	+/-0.20	in
Ring Diameter	8.25	-----	-----	0.00	+/-0.20	in
SDLT Pad-I947M315P774						
Near(B+D+P+L)	1590.987	-----	-----	0.000	+/-14.027	cps
Far(B+D+P+L)	890.080	-----	-----	0.000	+/-14.744	cps

Data: THOM C 3 12I0001 GTET-DSNT-SDLT-ACRT\IDLE	Date: 11-May-12 13:08:34
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	9.000	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	2.000	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	75.0	degF
	SHARED	TD	Total Well Depth	4750.00	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	

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.	Eccentered	
DSNT	DNOK	Process DSN?	Yes	
DSNT	DEOK	Process DSN EVR?	No	
DSNT	NLIT	Neutron Lithology	Limestone	
DSNT	DSNO	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 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	RMIN	Maximum Resistivity for MAP	200.00	ohmm
ACRt Sonde	THQY	Threshold Quality	0.50	
BOTTOM_____				
Data: THOM_C_3_12\0001 GTET-DSNT-SDLT-ACRT\IDLE			Date: 11-May-12 12:56:47	

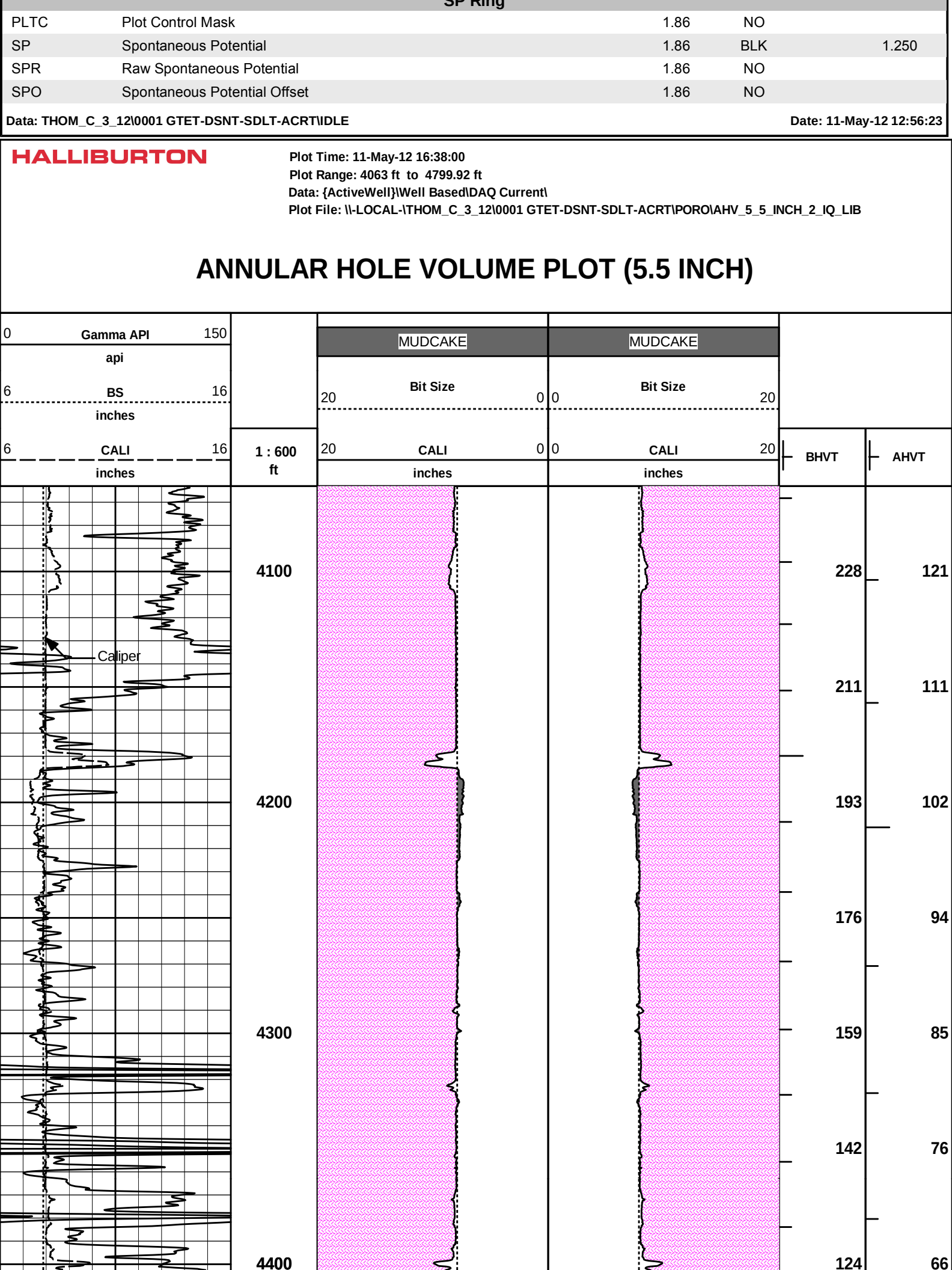
HALLIBURTON

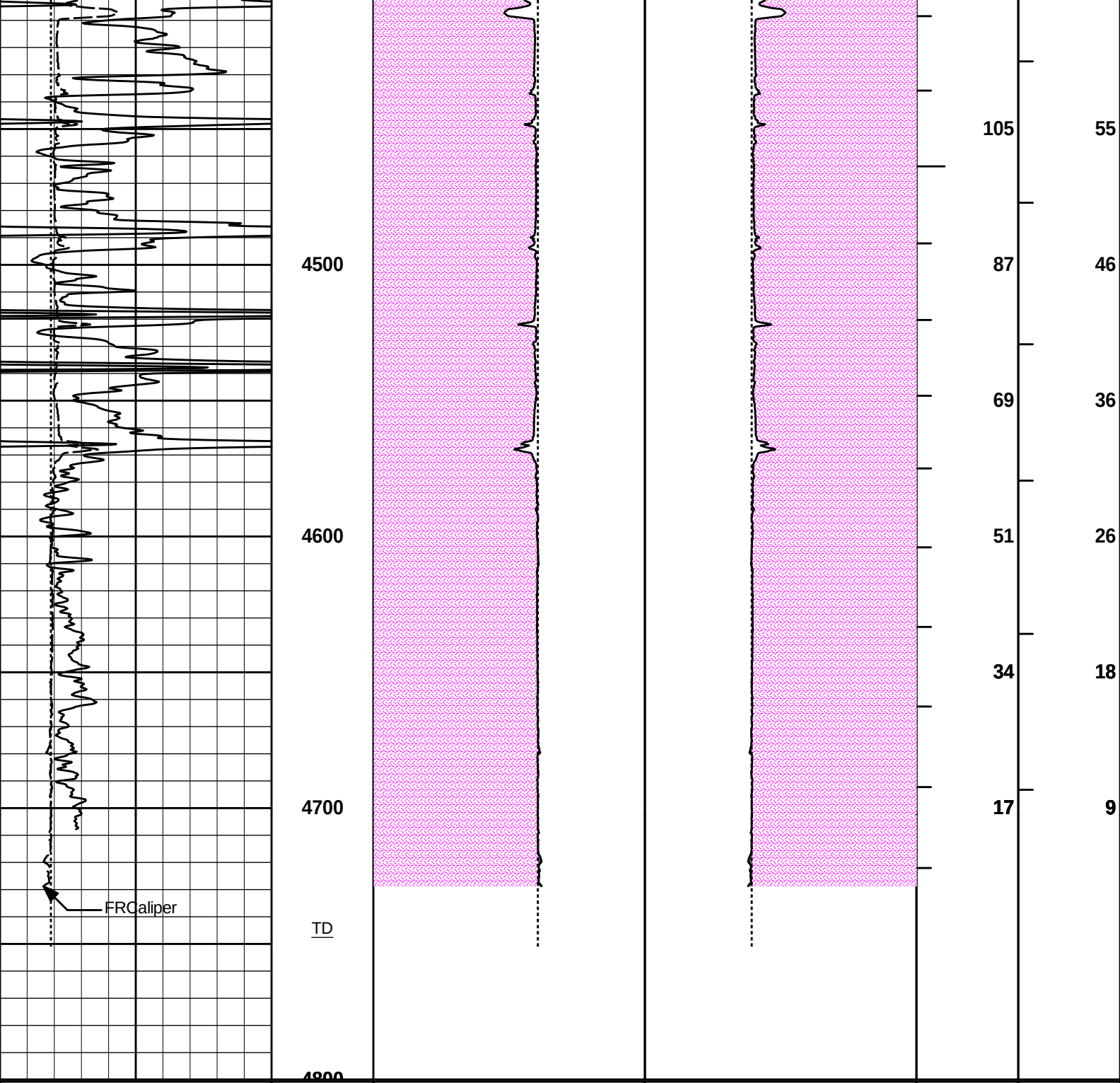
INPUTS, DELAYS AND FILTERS TABLE

Mnemonic	Input Description	Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel				
TENS	Tension	0.00	NO	

CH_HOS				
DHTN	DownholeTension	0.00	BLK	0.000
GTET				
TPUL	Tension Pull	42.79	NO	
GR	Natural Gamma Ray API	42.79	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	42.79	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	42.79	W	1.416 , 0.750
ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
DSNT				
TPUL	Tension Pull	32.54	NO	
RNDS	Near Detector Telemetry Counts	32.64	BLK	1.417
RFDS	Far Detector Telemetry Counts	33.39	TRI	0.583
DNTT	DSN Tool Temperature	32.64	NO	
DSNS	DSN Tool Status	32.54	NO	
ERND	Near Detector Telemetry Counts EVR	32.64	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	33.39	BLK	0.000
ENTM	DSN Tool Temperature EVR	32.64	NO	
SDLT				
TPUL	Tension Pull	22.65	NO	
PCAL	Pad Caliper	22.65	TRI	0.250
ACAL	Arm Caliper	22.65	TRI	0.250
ACRt Sonde				
TPUL	Tension Pull	2.97	NO	
F1R1	ACRT 12KHz - 80in R value	9.22	BLK	0.000
F1X1	ACRT 12KHz - 80in X value	9.22	BLK	0.000
F1R2	ACRT 12KHz - 50in R value	6.72	BLK	0.000
F1X2	ACRT 12KHz - 50in X value	6.72	BLK	0.000
F1R3	ACRT 12KHz - 29in R value	5.22	BLK	0.000
F1X3	ACRT 12KHz - 29in X value	5.22	BLK	0.000
F1R4	ACRT 12KHz - 17in R value	4.22	BLK	0.000
F1X4	ACRT 12KHz - 17in X value	4.22	BLK	0.000
F1R5	ACRT 12KHz - 10in R value	3.72	BLK	0.000
F1X5	ACRT 12KHz - 10in X value	3.72	BLK	0.000
F1R6	ACRT 12KHz - 6in R value	3.47	BLK	0.000
F1X6	ACRT 12KHz - 6in X value	3.47	BLK	0.000
F2R1	ACRT 36KHz - 80in R value	9.22	BLK	0.000
F2X1	ACRT 36KHz - 80in X value	9.22	BLK	0.000
F2R2	ACRT 36KHz - 50in R value	6.72	BLK	0.000
F2X2	ACRT 36KHz - 50in X value	6.72	BLK	0.000
F2R3	ACRT 36KHz - 29in R value	5.22	BLK	0.000
F2X3	ACRT 36KHz - 29in X value	5.22	BLK	0.000
F2R4	ACRT 36KHz - 17in R value	4.22	BLK	0.000
F2X4	ACRT 36KHz - 17in X value	4.22	BLK	0.000
F2R5	ACRT 36KHz - 10in R value	3.72	BLK	0.000
F2X5	ACRT 36KHz - 10in X value	3.72	BLK	0.000
F2R6	ACRT 36KHz - 6in R value	3.47	BLK	0.000
F2X6	ACRT 36KHz - 6in X value	3.47	BLK	0.000
F3R1	ACRT 72KHz - 80in R value	9.22	BLK	0.000
F3X1	ACRT 72KHz - 80in X value	9.22	BLK	0.000
F3R2	ACRT 72KHz - 50in R value	6.72	BLK	0.000
F3X2	ACRT 72KHz - 50in X value	6.72	BLK	0.000

F3R3	ACRT 72KHz - 29in R value	5.22	BLK	0.000
F3X3	ACRT 72KHz - 29in X value	5.22	BLK	0.000
F3R4	ACRT 72KHz - 17in R value	4.22	BLK	0.000
F3X4	ACRT 72KHz - 17in X value	4.22	BLK	0.000
F3R5	ACRT 72KHz - 10in R value	3.72	BLK	0.000
F3X5	ACRT 72KHz - 10in X value	3.72	BLK	0.000
F3R6	ACRT 72KHz - 6in R value	3.47	BLK	0.000
F3X6	ACRT 72KHz - 6in X value	3.47	BLK	0.000
RMUD	Mud Resistivity	12.76	BLK	0.000
F1RT	Transmitter Reference 12 KHz Real Signal	2.97	BLK	0.000
F1XT	Transmitter Reference 12 KHz Imaginary Signal	2.97	BLK	0.000
F2RT	Transmitter Reference 36 KHz Real Signal	2.97	BLK	0.000
F2XT	Transmitter Reference 36 KHz Imaginary Signal	2.97	BLK	0.000
F3RT	Transmitter Reference 72 KHz Real Signal	2.97	BLK	0.000
F3XT	Transmitter Reference 72 KHz Imaginary Signal	2.97	BLK	0.000
TFPU	Upper Feedpipe Temperature Calculated	2.97	BLK	0.000
TFPL	Lower Feedpipe Temperature Calculated	2.97	BLK	0.000
ITMP	Instrument Temperature	2.97	BLK	0.000
TCVA	Temperature Correction Values Loop Off	2.97	NO	
TIDV	Instrument Temperature Derivative	2.97	NO	
TUDV	Upper Temperature Derivative	2.97	NO	
TLDV	Lower Temperature Derivative	2.97	NO	
TRBD	Receiver Board Temperature	2.97	NO	
SDLT Pad				
TPUL	Tension Pull	22.64	NO	
NAB	Near Above	22.46	BLK	0.920
NHI	Near Cesium High	22.46	BLK	0.920
NLO	Near Cesium Low	22.46	BLK	0.920
NVA	Near Valley	22.46	BLK	0.920
NBA	Near Barite	22.46	BLK	0.920
NDE	Near Density	22.46	BLK	0.920
NPK	Near Peak	22.46	BLK	0.920
NLI	Near Lithology	22.46	BLK	0.920
NBAU	Near Barite Unfiltered	22.46	BLK	0.250
NLIU	Near Lithology Unfiltered	22.46	BLK	0.250
FAB	Far Above	22.81	BLK	0.250
FHI	Far Cesium High	22.81	BLK	0.250
FLO	Far Cesium Low	22.81	BLK	0.250
FVA	Far Valley	22.81	BLK	0.250
FBA	Far Barite	22.81	BLK	0.250
FDE	Far Density	22.81	BLK	0.250
FPK	Far Peak	22.81	BLK	0.250
FLI	Far Lithology	22.81	BLK	0.250
PTMP	Pad Temperature	22.65	BLK	0.920
NHV	Near Detector High Voltage	22.04	NO	
FHV	Far Detector High Voltage	22.04	NO	
ITMP	Instrument Temperature	22.04	NO	
DDHV	Detector High Voltage	22.04	NO	
Microlog Pad				
TPUL	Tension Pull	22.83	NO	
MINV	Microlog Lateral	22.83	BLK	0.750
MNOR	Microlog Normal	22.83	BLK	0.750
SD Ring				





6	CALI	16	1 : 600 ft	20	CALI	0 0	20	BHVT	AHVT
	inches				inches				
6	BS	16		20	Bit Size	0 0	20		
	inches								
0	Gamma API	150			MUDCAKE		MUDCAKE		
	api								

HALLIBURTON

Plot Time: 11-May-12 16:38:02
Plot Range: 4063 ft to 4799.92 ft
Data: {ActiveWell}\Well Based\DAQ Current\
Plot File: \\-LOCAL-\\THOM_C_3_12\\0001 GTET-DSNT-SDLT-ACRT\\PORO\\AHV_5_5_INCH_2_IQ_LIB

ANNULAR HOLE VOLUME PLOT (5.5 INCH)

COMPANY	VAL ENERGY INC.		
WELL	THOM C 3-12		
FIELD	UNKNOWN		
COUNTY	BARBER	STATE	KANSAS
HALLIBURTON		SPECTRAL DENSITY DUAL SPACED NEUTRON LOG	