

HALLIBURTON

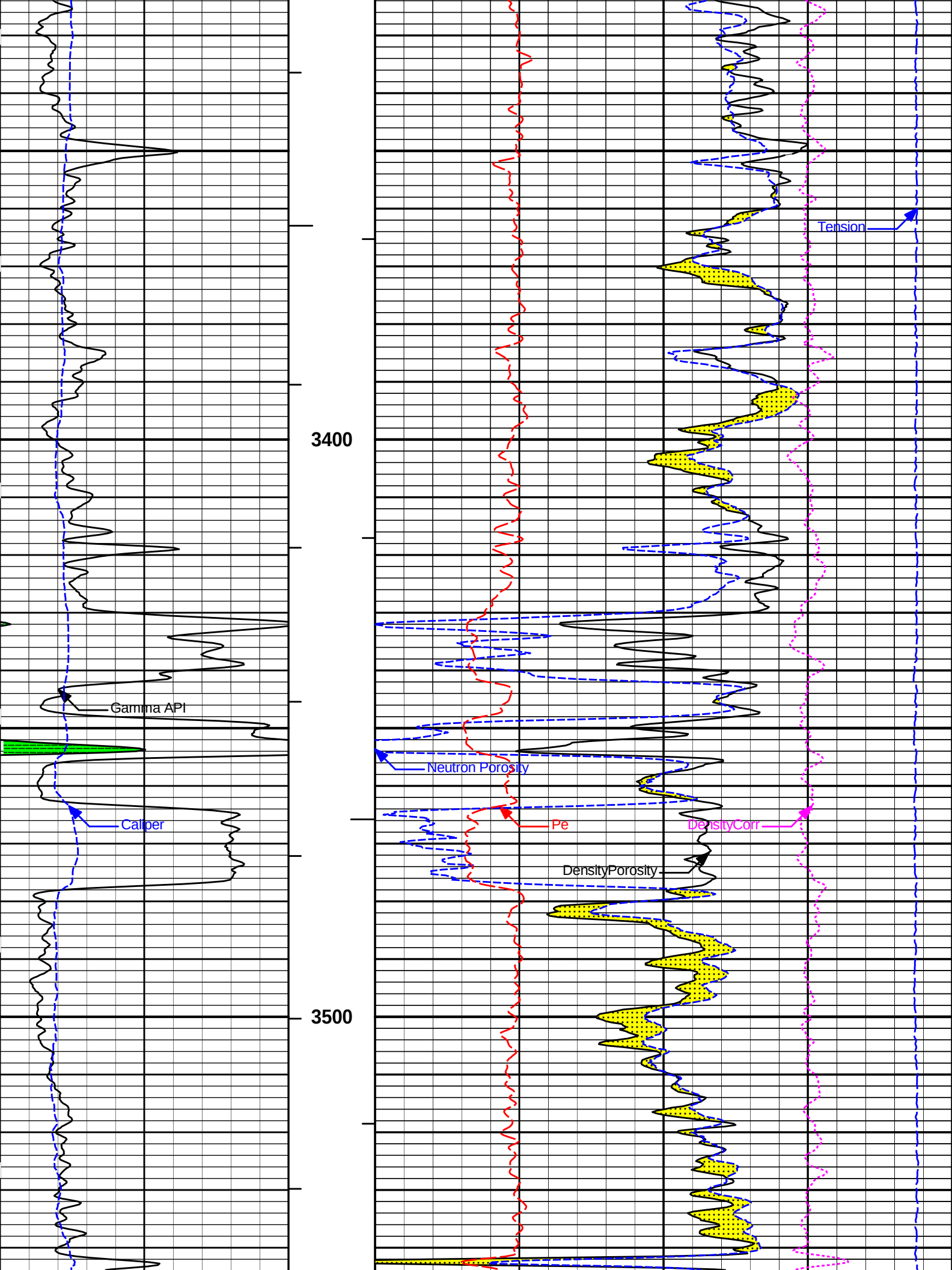
SPECTRAL DENSITY DUAL SPACED NEUTRON LOG

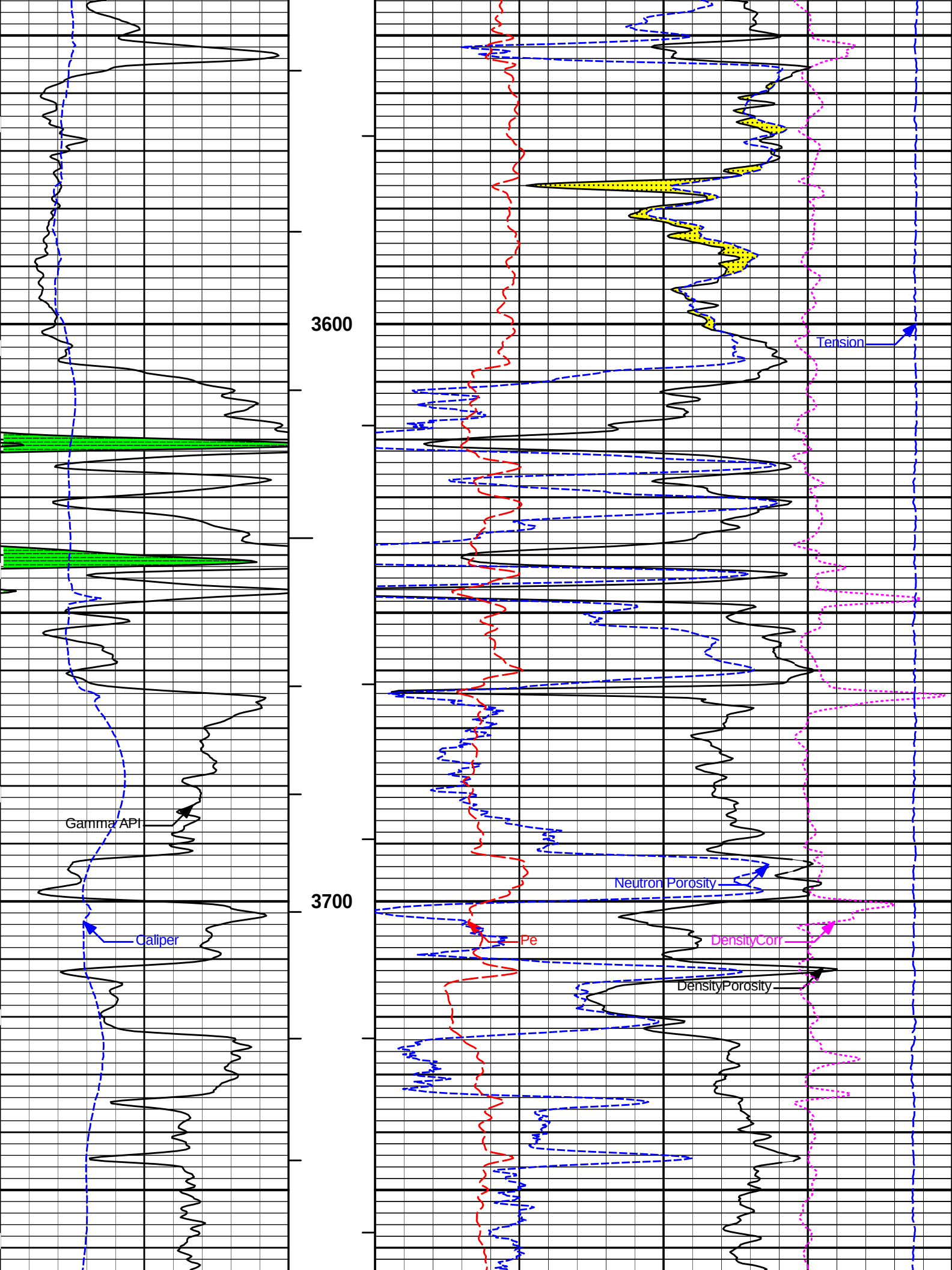
COMPANY		VAL ENERGY, INC.	
WELL		SOUTH EAST MADDIX #1-11	
FIELD		UNKNOWN	
COUNTY		BARBER	
STATE		KANSAS	
Permanent Datum		GL	
Log measured from		KB	
Drilling measured from		KB	
Date		27-Mar-13	
Run No.		1	
Depth - Driller		4450.00 ft	
Depth - Logger		4446.0 ft	
Bottom - Logged Interval		4436	
Top - Logged Interval		3300	
Casing - Driller		8.625 in @ 225.0 ft	
Casing - Logger		225.0 ft	
Bit Size		7.875 in	
Type Fluid in Hole		WBM	
Density		9.4 ppg	
Viscosity		58.00 s/qt	
PH		10.50 pH	
Fluid Loss		9.6 cpm	
Source of Sample		MUDPIT	
Rm @ Meas. Temperature		0.610 ohmm @ 78.00 degF	
Rmf @ Meas. Temperature		0.48 ohmm @ 75.00 degF	
Rmc @ Meas. Temperature		0.830 ohmm @ 75.00 degF	
Source Rmf		MEAS	
Rm @ BHT		0.40 ohmm @ 124.0 degF	
Time Since Circulation		6.0 hr	
Time on Bottom		27-Mar-13 04:22	
Max. Rec. Temperature		124.0 degF @ 4446.0 ft	
Equipment		786	
Recorded By		WHITLOCK	
Witnessed By		ZEB STEWART	

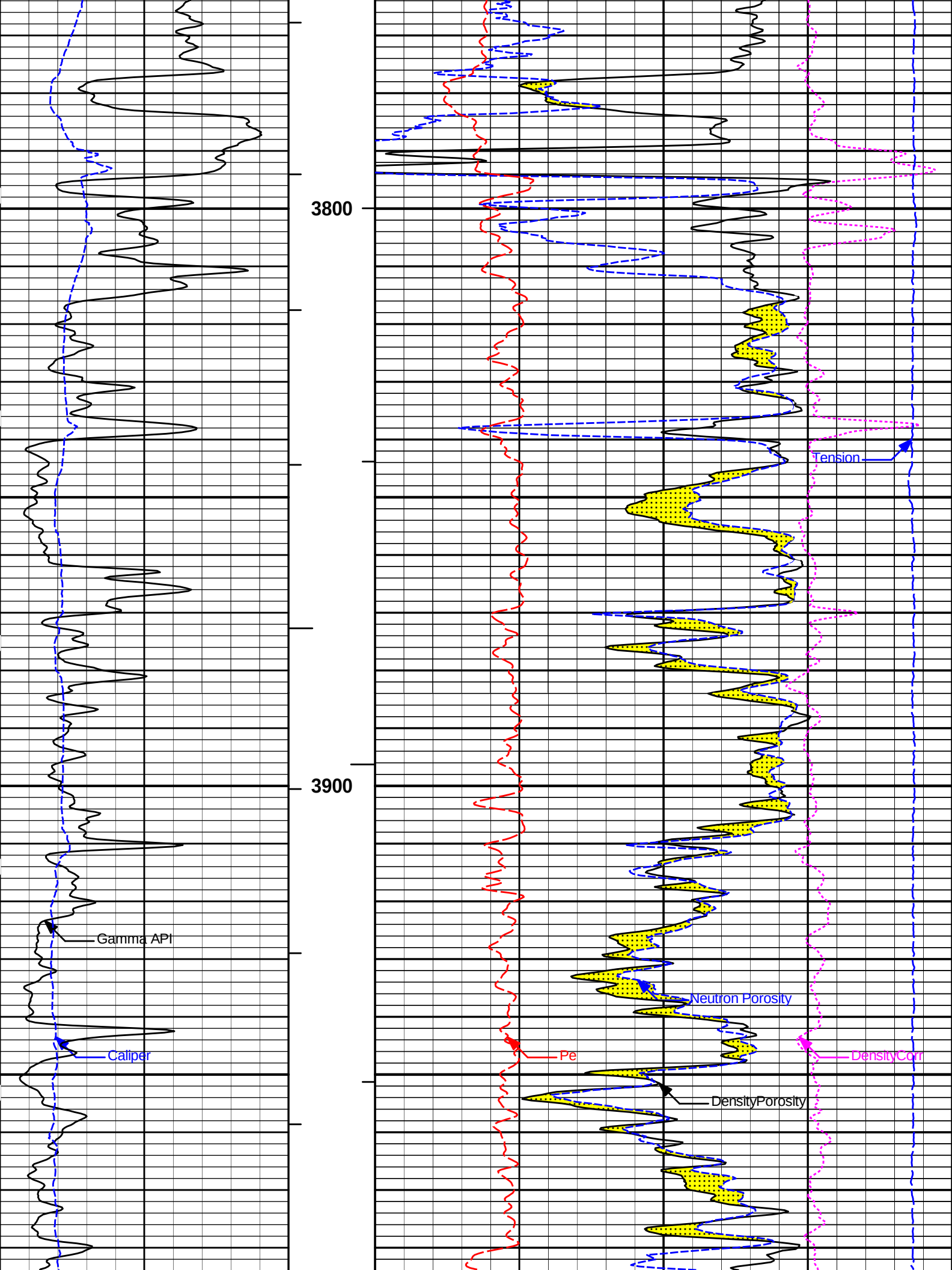
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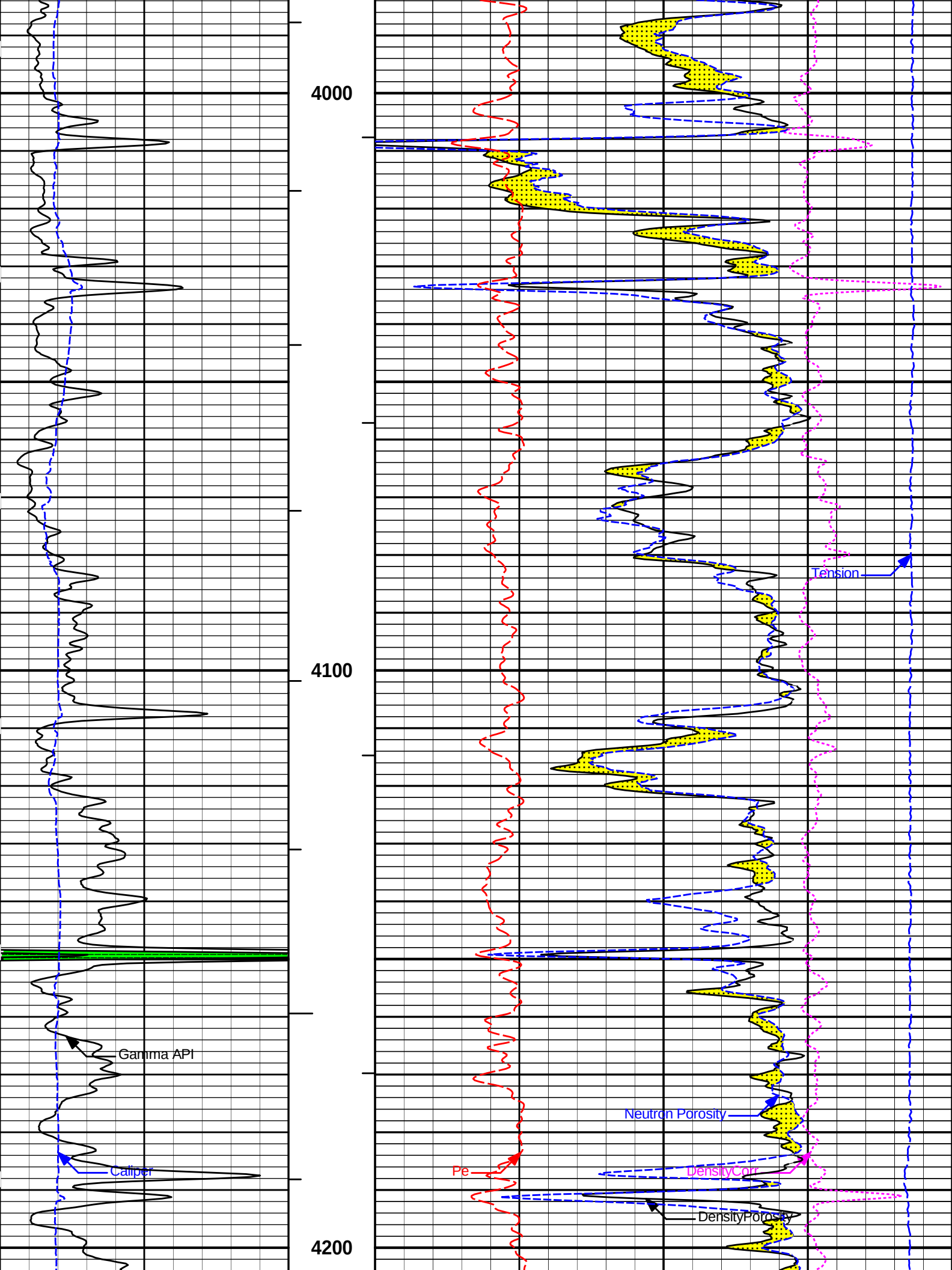
Service Ticket No.: 900320116				API Serial No.: 15-007-23994				PGM Version: WL INSITE R3.6.0 (Build 3)			
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE						RESISTIVITY SCALE CHANGES					
Date	Sample No.					Type Log	Depth	Scale Up Hole	Scale Down Hole		
Depth-Driller											
Type Fluid in Hole											
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.			Run No.			Run No.			Run No.		
Serial No.			Serial No.			Serial No.			Serial No.		
Model No.			Model No.			Model No.			Model No.		
Diameter			No. of Cent.			Diameter			Diameter		
Detector Model No.			Spacing			Log Type			Log Type		
Type						Source Type			Source Type		
Length			LSA [Y/N]			Serial No.			Serial No.		
Distance to Source			FWDA [Y/N]			Strength			Strength		
LOGGING DATA											
GENERAL			GAMMA			ACOUSTIC			DENSITY		

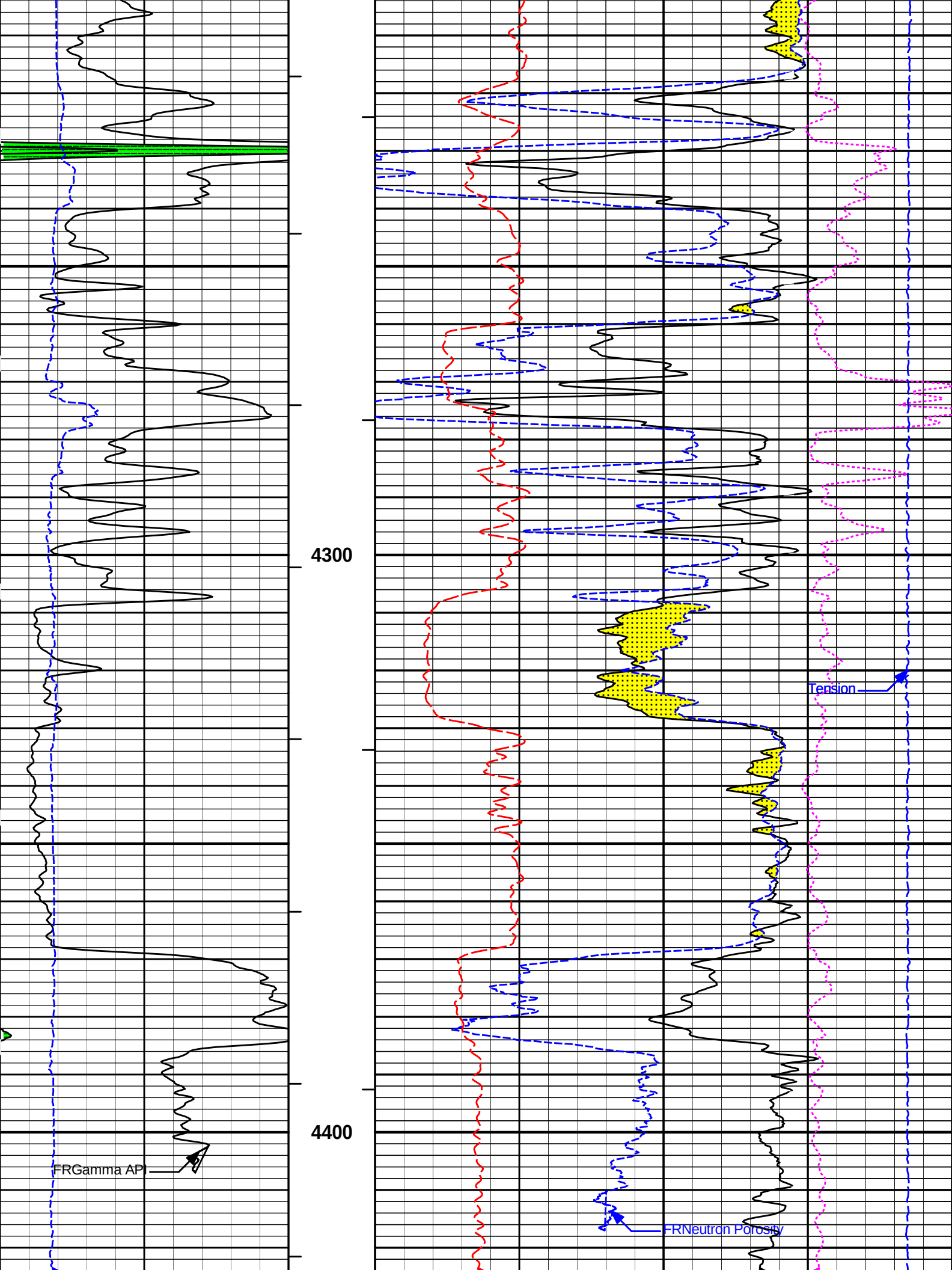
GENERAL			GAMMA		ACOUSTIC		DENSITY		NEUTRON			
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	
No.	From	To	ft/min	L	R	L	R		L	R		
DIRECTIONAL INFORMATION												
Maximum Deviation								@	KOP			
Remarks: 5 1/2" CASING USED FOR ANNULAR HOLE VOLUME												

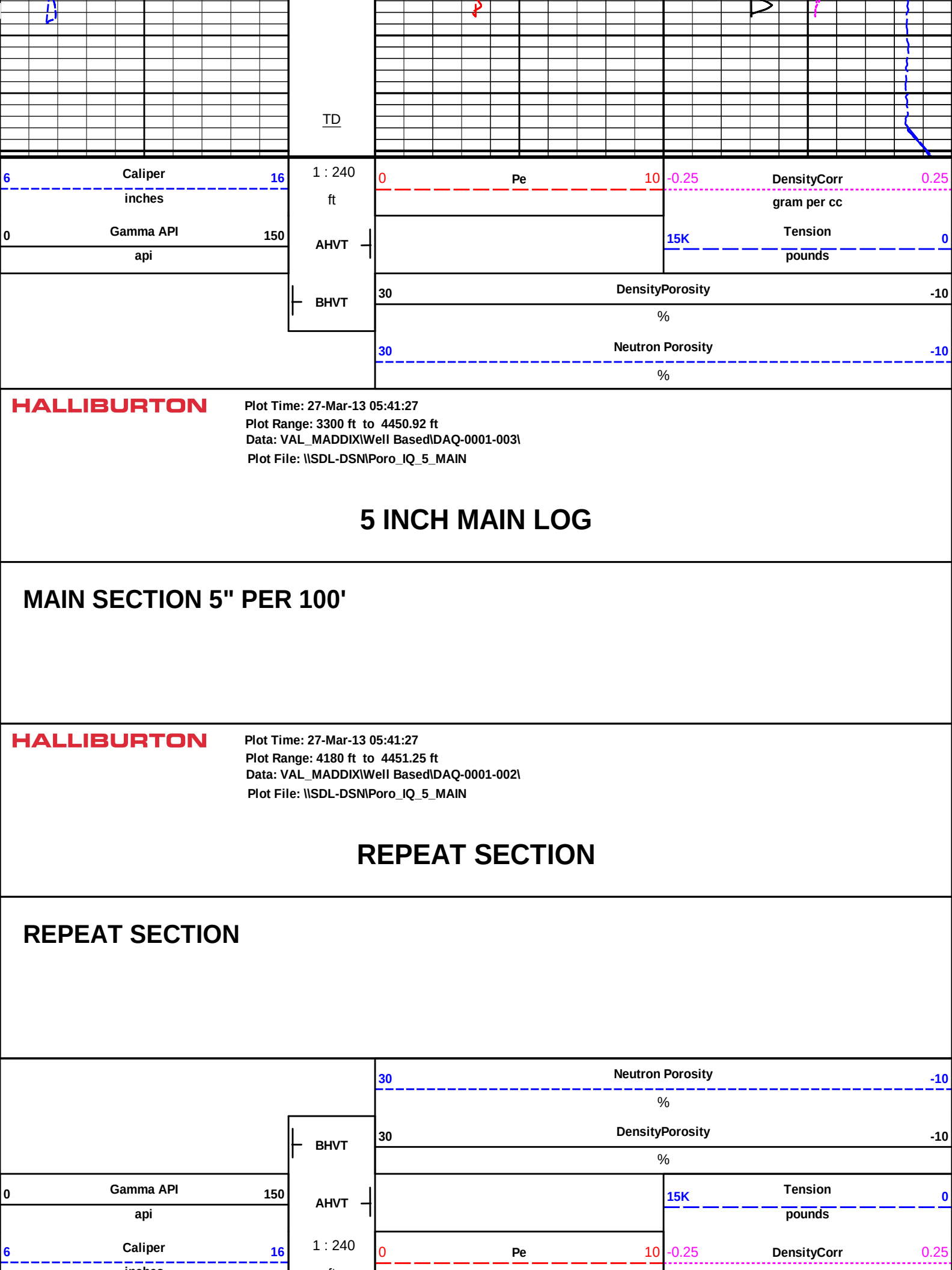


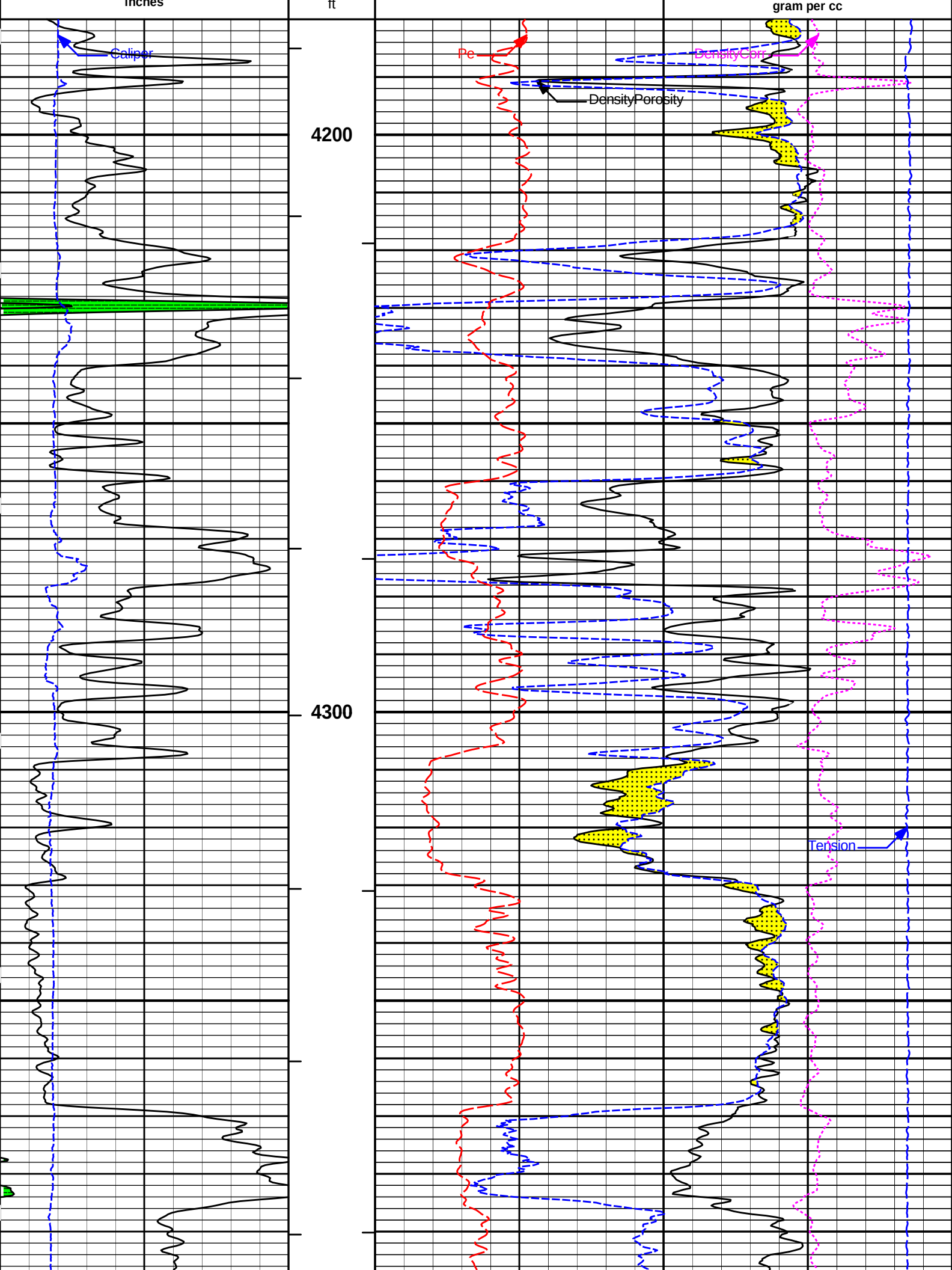


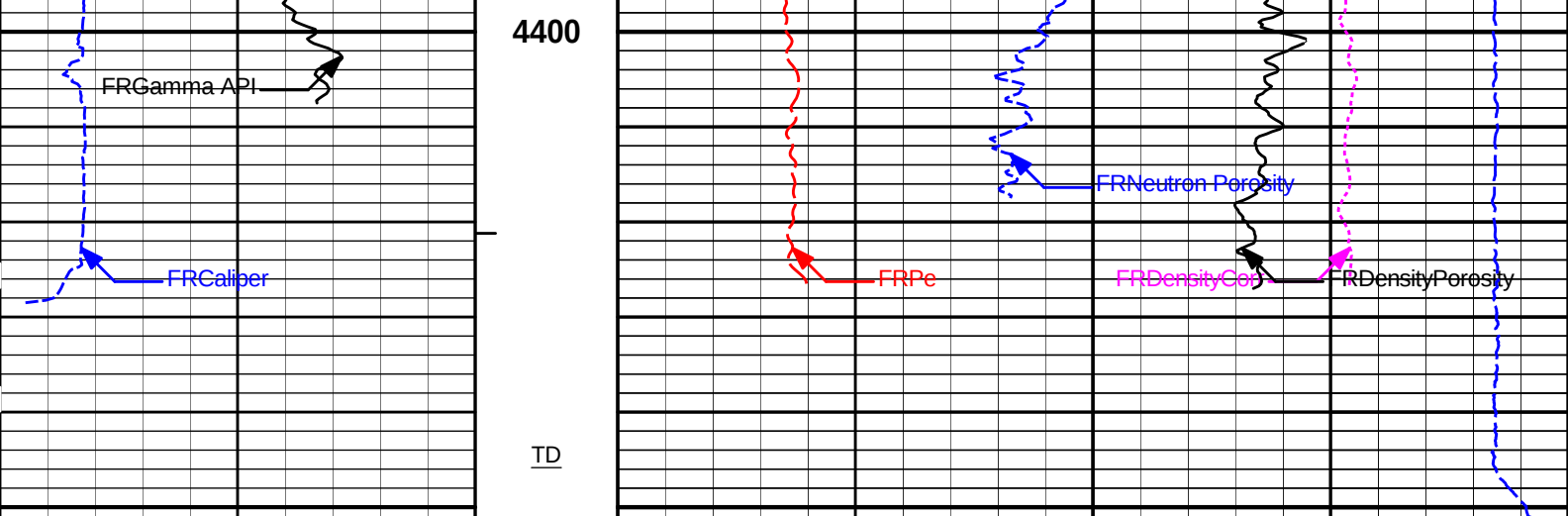












6	Caliper	16	1 : 240	0	Pe	10	-0.25	DensityCorr	0.25
	inches		ft					gram per cc	
0	Gamma API	150	AHVT				15K	Tension	0
	api							pounds	
			BHVT	30	DensityPorosity				-10
					%				
				30	Neutron Porosity				-10
					%				

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Plot Time: 27-Mar-13 05:41:32
 Plot Range: 4180 ft to 4451.25 ft
 Data: VAL_MADDIX\Well Based\DAQ-0001-002\
 Plot File: \\SDL-DSN\Porosity_Q_5_MAIN

REPEAT SECTION

REPEAT SECTION

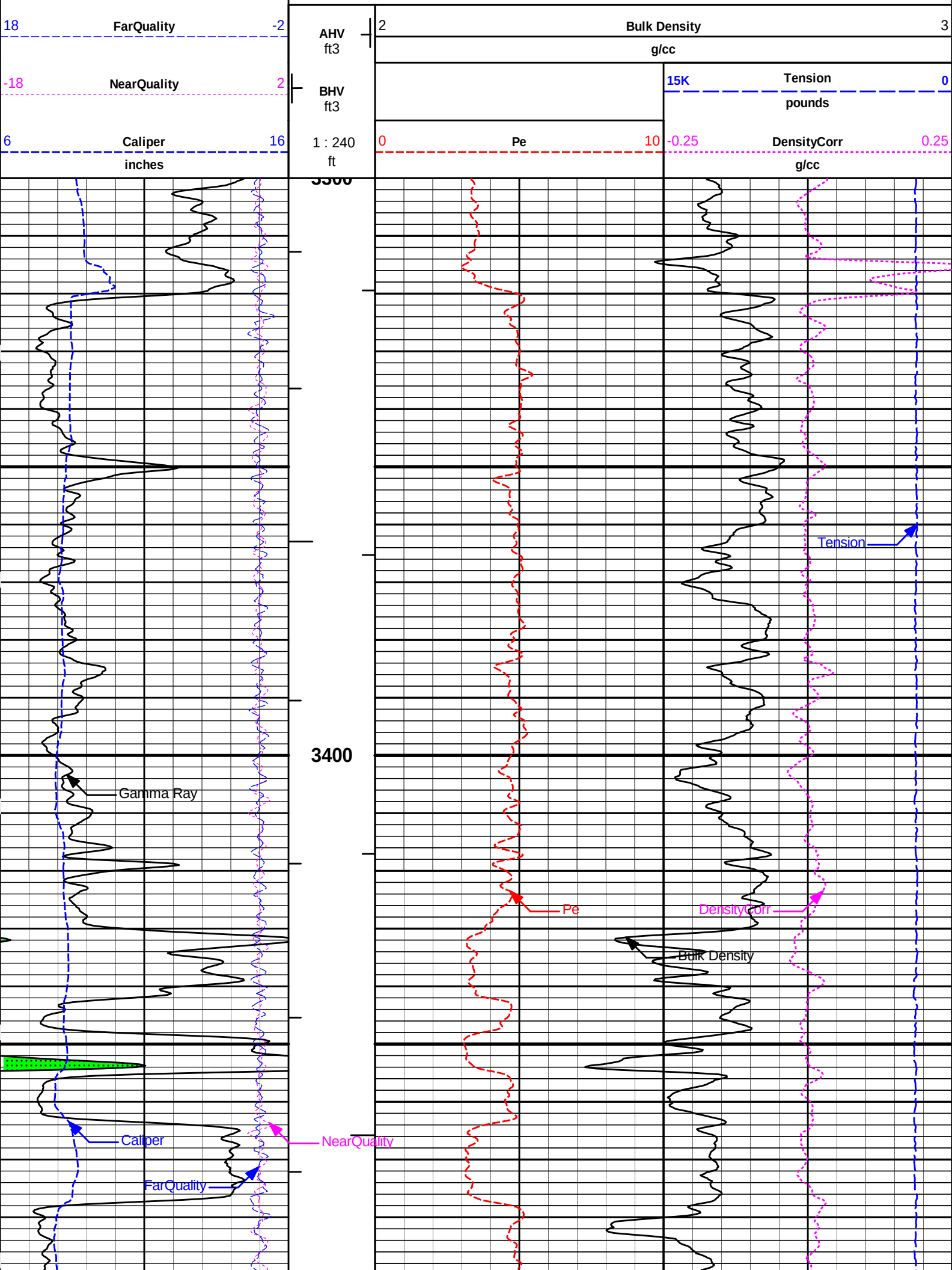
HALLIBURTON

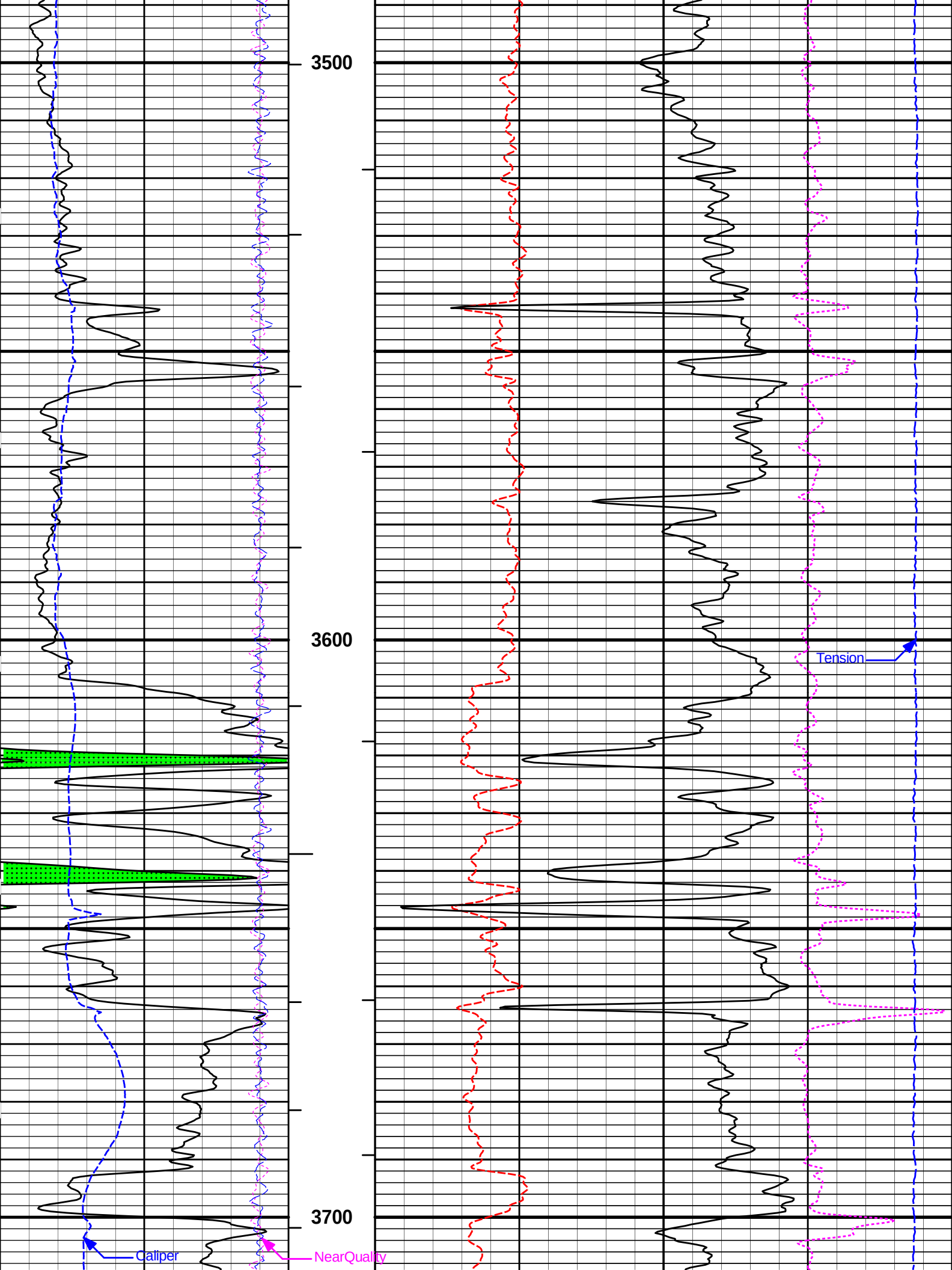
Plot Time: 27-Mar-13 05:41:32
 Plot Range: 3300 ft to 4450.92 ft
 Data: VAL_MADDIX\Well Based\DAQ-0001-003\
 Plot File: \\LOCAL-VAL_MADDIX\0001 GTET-DSN-SDL-ACRT\SDL-DSN\BULKD_5_MAIN_IQ

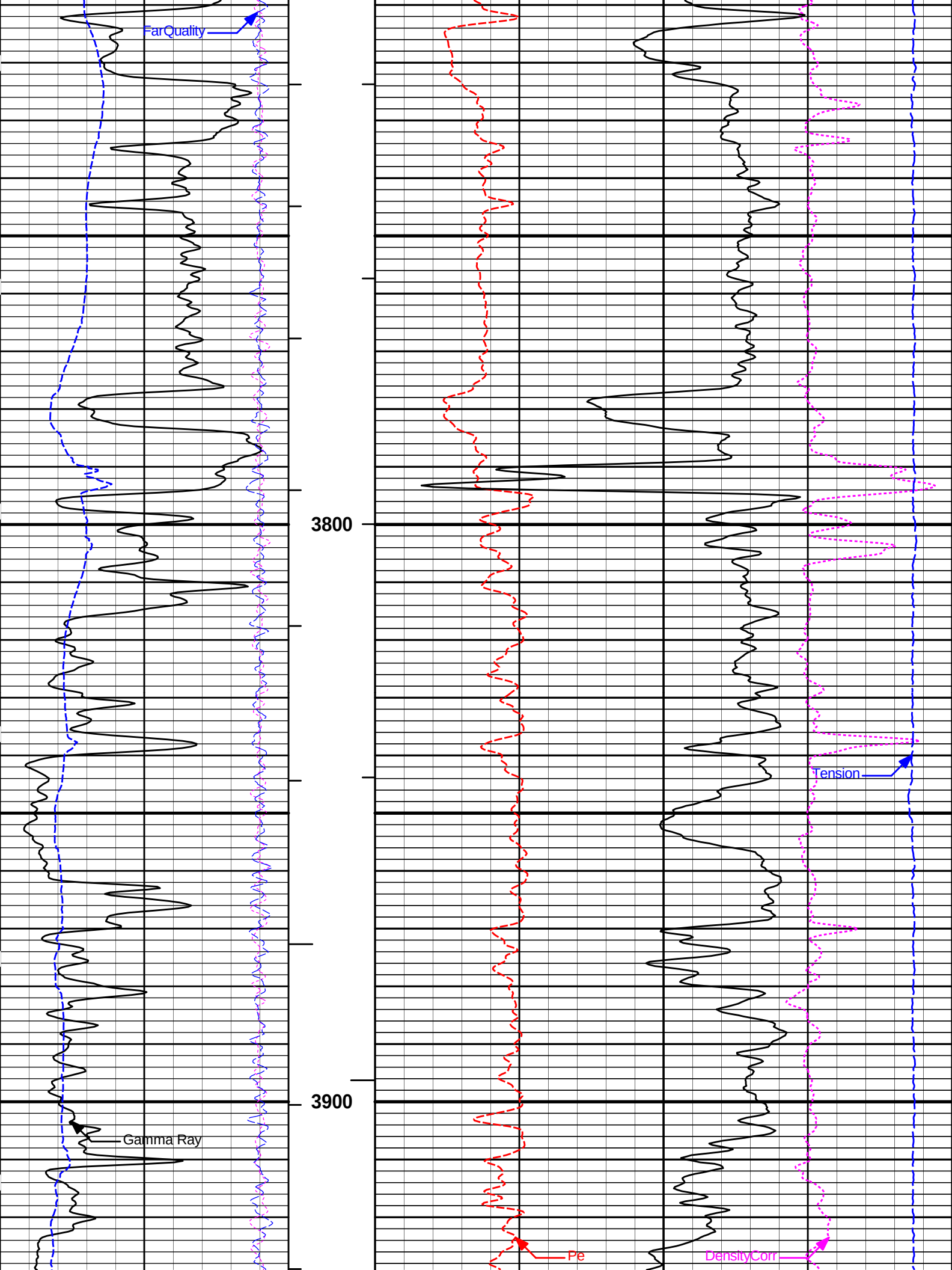
5 INCH MAIN LOG

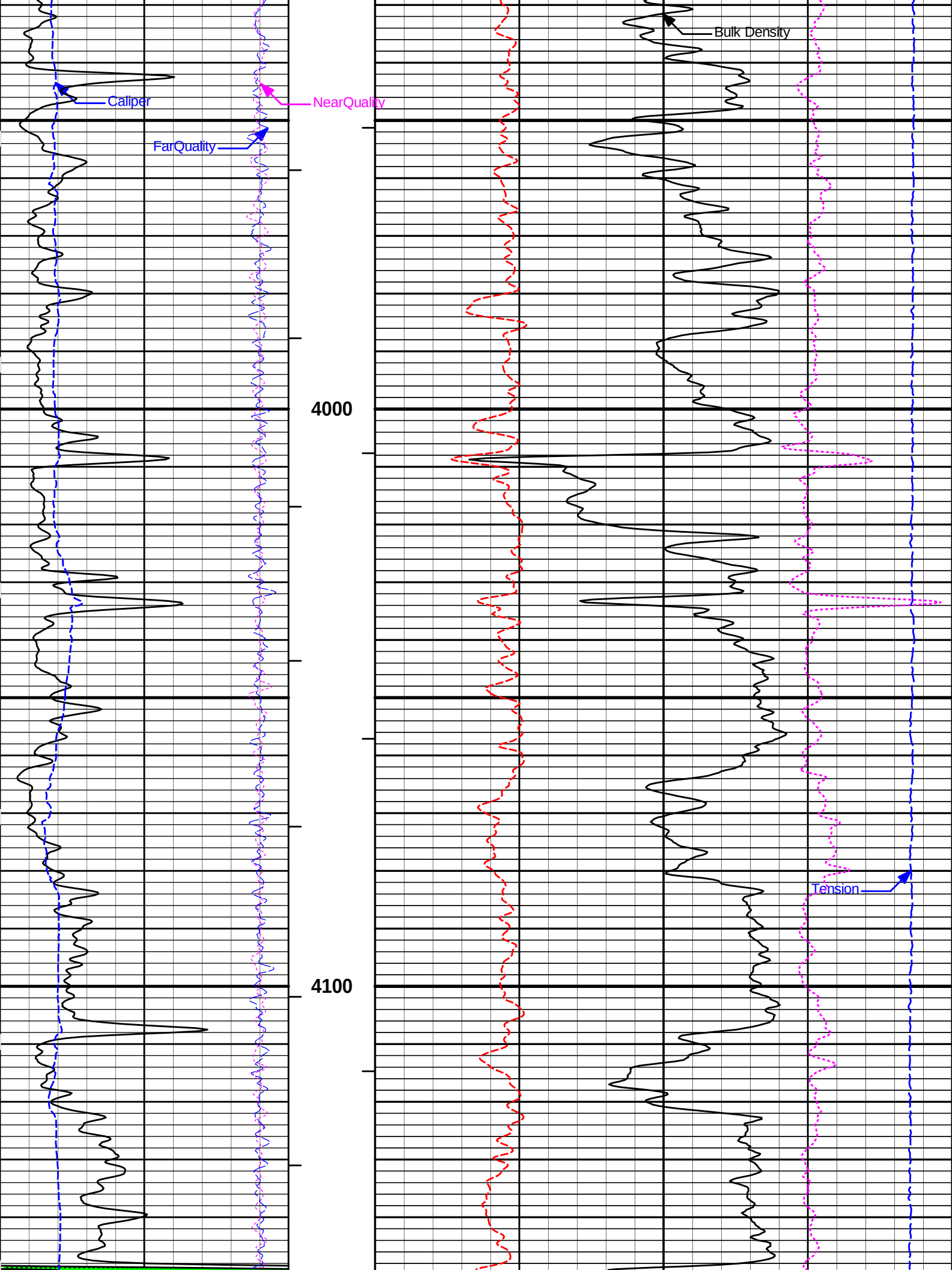
MAIN SECTION 5" PER 100'

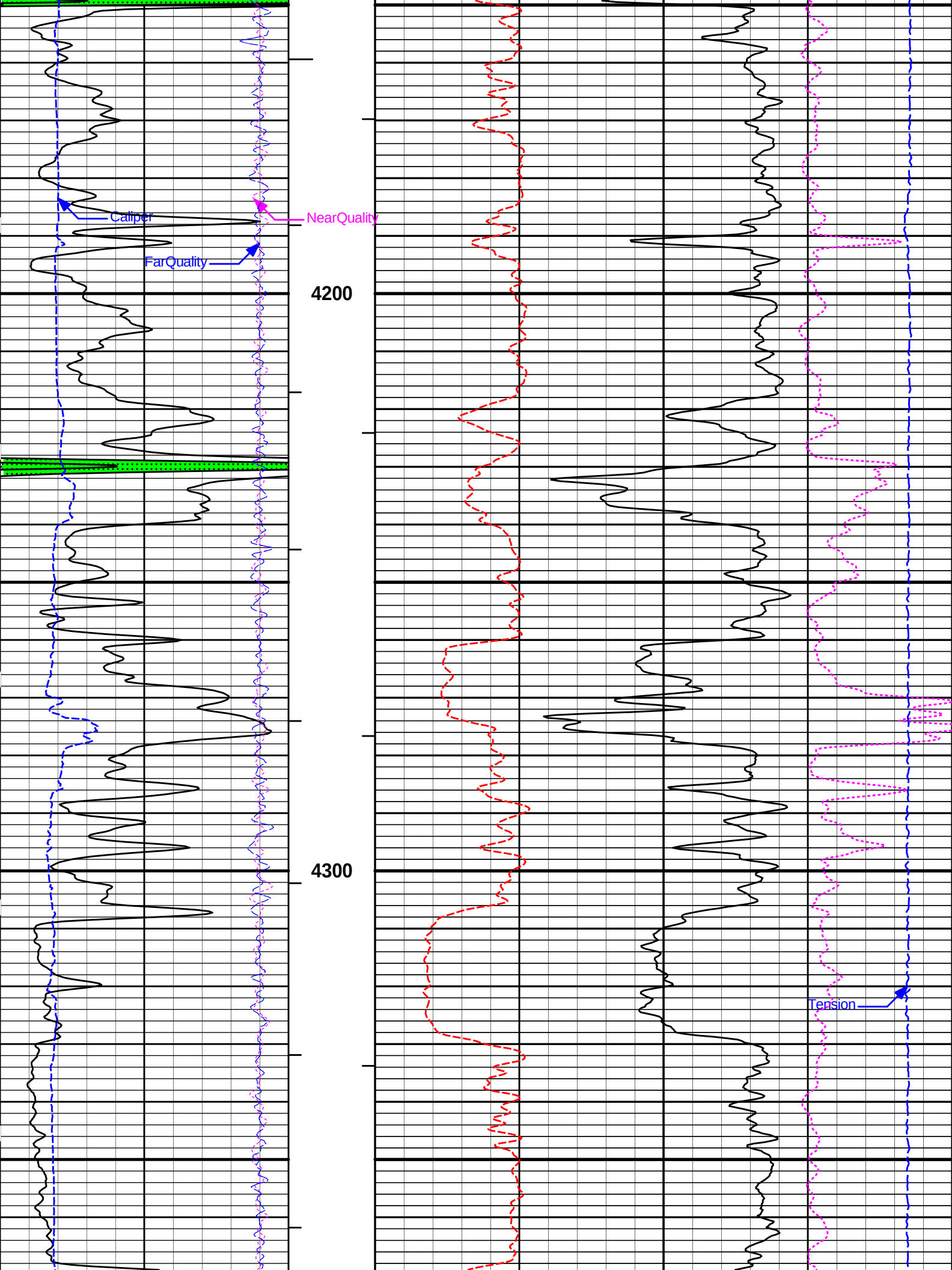
0	Gamma Ray	150
	api	

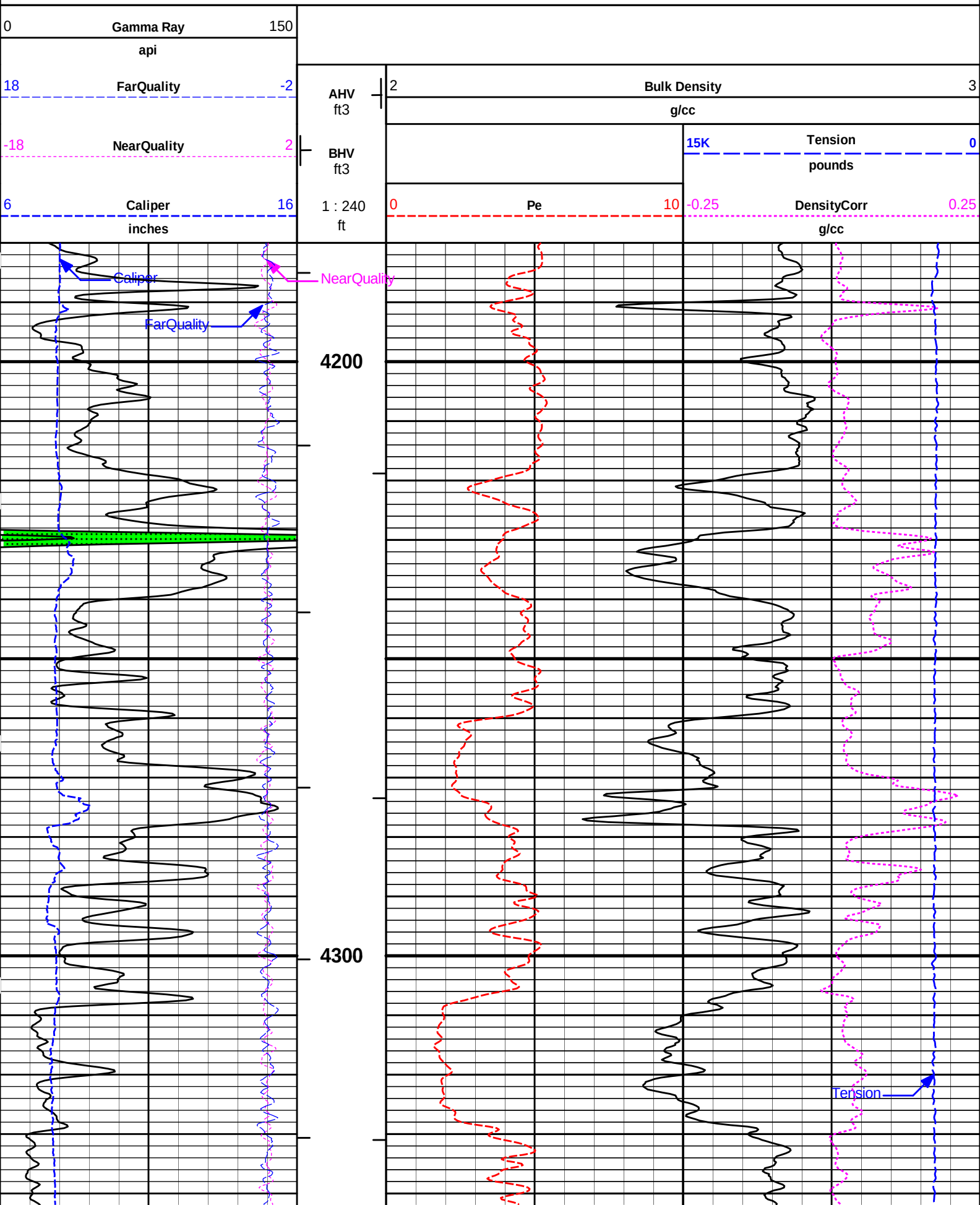


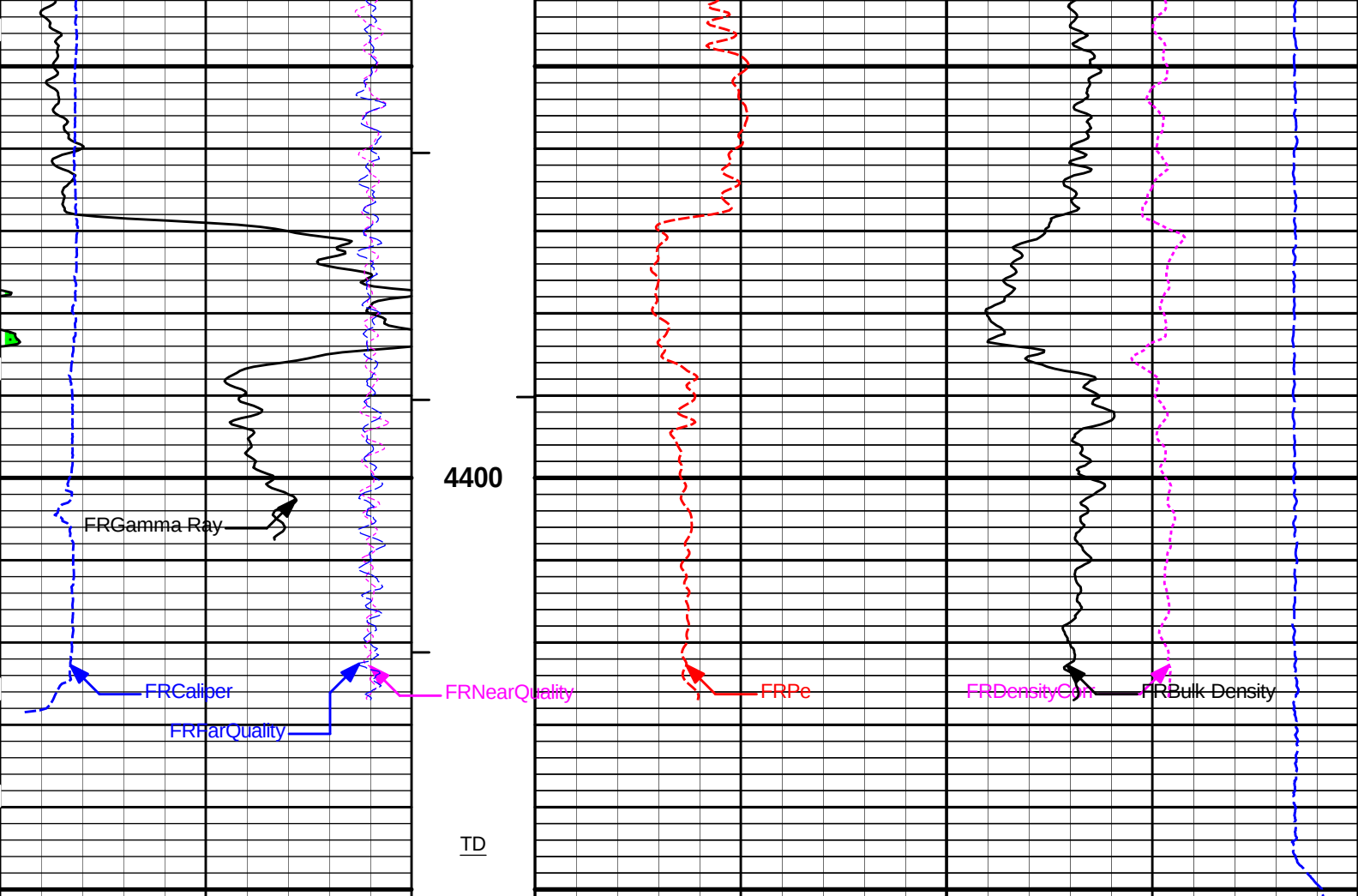












6	Caliper	16	1 : 240	0	Pe	10	-0.25	DensityCorr	0.25
	inches		ft					g/cc	
-18	NearQuality	2	BHV				15K	Tension	0
			ft3					pounds	
18	FarQuality	-2	AHV	2	Bulk Density				
			ft3		g/cc				
0	Gamma Ray	150							
	api								

HALLIBURTON

Plot Time: 27-Mar-13 05:41:37
Plot Range: 4180 ft to 4451.25 ft
Data: VAL_MADDIX\Well Based\DAQ-0001-002\
Plot File: \\-LOCAL-\\VAL_MADDIX\0001 GTET-DSN-SDL-ACRT\SDL-DSN\BULKD_5_MAIN_IQ

REPEAT SECTION

REPEAT SECTION

HALLIBURTON

CALIBRATION REPORT

CALIBRATION REPORT

SURFACE TENSION SHOP CALIBRATION

Tool Name: Depth Panel - PROT01

Reference Calibration Date: 13-Jan-08 19:31:38

Engineer: WHITLOCK

Calibration Date: 26-Mar-09 09:42:21

Software Version: WL INSITE R2.4 (Build 1)

Calibration Version: 1

SURFACE TENSION LOAD CELL

Measurement	Load Cell Value	Measurement	Calibrated	Units
Low	9877.87	32908.03	0.00	lbs
High	16448.28	55771.74	7800.00	lbs

DOWNHOLE TENSION SHOP CALIBRATION

Tool Name: CH_HOS - CH_HOS_I

Reference Calibration Date: 15-Dec-12 21:31:17

Engineer: WHITLOCK

Calibration Date: 10-Feb-13 14:03:08

Software Version: WL INSITE R3.6.0 (Build 3)

Calibration Version: 1

DOWNHOLE LOAD CELL

Measurement	Tool Value	Measurement	Calibrated	Units
Low	-476.87	35.01	0.00	lbs
High	4695.02	1517.37	1100.00	lbs

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name: GTET - 10971172

Reference Calibration Date: 22-Feb-13 10:19:33

Engineer: HOFKAMP

Calibration Date: 13-Mar-13 11:03:10

Software Version: WL INSITE R3.6.0 (Build 3)

Calibration Version: 1

Calibrator Source S/N: TB-79

Calibrator API Reference:222.00 api

Equivalent Calibrator API Reference:225.9 api

Measurement	Measured	Calibrated	Units
Background	24.5	25.1	api
Background + Calibrator	245.4	251.0	api
Calibrator	220.8	225.9	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name: GTET - 10971172

Reference Calibration Date: 13-Mar-13 11:03:10

Engineer: WHITLOCK

Calibration Date: 27-Mar-13 03:43:37

Software Version: WL INSITE R3.6.0 (Build 3)

Calibration Version: 1

Calibrator Source S/N: TB-79

Calibrator API Reference:222.00 api

Equivalent Calibrator API Reference:225.9 api

Field Verification	Shop	Field	Units
Background	25.1	40.1	api
Background + Calibrator	251.0	270.5	api
Calibrator	225.9	230.4	api

Shop	Field	Difference	Tolerance
225.9	230.4	-4.5	+/- 9.00

ACCELEROMETER SHOP CALIBRATION

Tool Name: GTET - 10971172

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

Engineer: WHITLOCK

Calibration Date: 20-Oct-08 14:40:55

Software Version: WL INSITE R2.2 (Build 2)

Calibration Version: 1

Horizontal-1 Telemetry	Horizontal-2 Telemetry	Vertical Telemetry	Units
-85.64	-67.18	-16422.00	cnts

Coefficient	Coefficient Value	Tolerance
Gain	-0.000061	-----
Offset	-0.005	-----
Noise	0.0000	0.0000 - 0.0000

Orientation	Measured	Tolerance	Calibrated	Tolerance
Horizontal	-76.41	-0.10 - 0.10	0.00	-0.10 - 0.10
Vertical	-16422.00	0.90 - 1.10	1.00	0.90 - 1.10

DUAL SPACED NEUTRON SHOP CALIBRATION

Tool Name:	DSNT - 10951378	Reference Calibration Date:	08-Feb-13 12:26:14
Engineer:	HOFKAMP	Calibration Date:	13-Mar-13 10:03:57
Software Version:	WL INSITE R3.6.0 (Build 3)	Calibration Version:	1

Logging Source S/N: DSN-373
Tank Serial Number: FTSM HORIZONTAL TANK
Reference value assigned to Tank: 56.100
Snow Block S/N: FTSM
Calibration Tank Water Temperature: 55 degF
Min. Tool Housing Outside Diameter: 3.625 in

CALIBRATION CONSTANTS			
Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	1.006	1.011	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):	0.2343	0.2358	0.0015	+/- 0.0020
Calibrated Ratio:	10.51	10.56	0.049	+/- 0.050

VERIFIER		
Measurement	Value	Control Limit
Snow-Block Porosity (decp):	0.0884	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 - 10951378	Reference Calibration Date:	13-Mar-13 10:03:57
Engineer:	WHITLOCK	Calibration Date:	27-Mar-13 03:47:19
Software Version:	WL INSITE R3.6.0 (Build 3)	Calibration Version:	1

Logging Source S/N: DSN-373
Snow Block S/N: FTSM

NEUTRON FIELD-CHECK SUMMARY			
Shop	Field	Difference	Control Limit On Change

Snow-Block Porosity (decP):0.08840.0759-0.0125+/- 0.0150

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

DENSITY CALIPER SHOP CALIBRATION

Tool Name:	SDLT - 10950477	Reference Calibration Date:	01-Jan-70 00:00:00
Engineer:	WHITLOCK	Calibration Date:	10-Dec-12 12:17:06
Software Version:	WL INSITE R3.6.0 (Build 3)	Calibration Version:	1
Host Tool Name:	DSNT - 10951378		

CALIBRATION COEFFICIENTS			
Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-3368.16	-3368.16	-7000.00 - -1000.00
Pad Gain	0.0003806	0.0003806	0.000200 - 0.000600
Arm Offset	-3267.02	-3267.02	-5000.00 - 3000.00
Arm Gain	0.0005532	0.0005532	0.000300 - 0.000700
Arm Power	-0.000007075	-0.000007075	-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)	2.00	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 - 10950477	Reference Calibration Date:	10-Dec-12 12:17:06
Engineer:	WHITLOCK	Calibration Date:	10-Dec-12 12:18:30
Software Version:	WL INSITE R3.6.0 (Build 3)	Calibration Version:	1

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

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION									
Tool Name:		ACRt Sonde - 10952708				Reference Calibration Date:		04-Oct-12 09:04:59	
Engineer:		HOFKAMP				Calibration Date:		13-Mar-13 09:12:33	
Software Version:		WL INSITE R3.6.0 (Build 3)				Calibration Version:		1	
Host Tool Name:		ACRt Instrument - 10967816							
TYPICAL GAIN RANGE									
Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.05	1.05	0.95	1.02	1.05	0.95	1.01	1.05
A2 (50")	0.95	1.04	1.05	0.95	1.02	1.05	0.95	1.01	1.05
A3 (29")	0.95	1.04	1.05	0.95	1.02	1.05	0.95	1.01	1.05
A4 (17")	0.95	1.04	1.05	0.95	1.01	1.05	0.95	1.01	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.01	1.05	0.95	1.00	1.05
A6 (6")	N/A	N/A	N/A	0.95	1.00	1.05	0.95	0.99	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	1.01	2	-6	-4.52	-2	-8	-5.85	-2
A2 (50")	-7	0.36	0	-7	-3.72	0	-7	-5.33	0
A3 (29")	-27	-12.77	-9	-9	-4.53	-3	-7	-4.33	-1
A4 (17")	-180	-100.31	-60	-45	-31.13	-15	-39	-25.13	-13
A5 (10")	N/A	N/A	N/A	-150	-101.40	-50	-80	-48.30	-10
A6 (6")	N/A	N/A	N/A	175	328.98	525	90	167.04	270
TRANSMITTER CURRENT GAIN					R-MUD VERIFICATION				
Signal	Lower		R	Upper	Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)	
12K		0.6	0.84	1.3	Mud Cell	0.95	1.00	1.05	
36K		1.0	1.16	2.0					
72K		1.0	1.32	2.0					
PASS/FAIL SUMMARY									
GAIN RANGE CHK					PASS				
SONDE OFFSET RANGE CHK					FAIL				
Tx CURRENT GAIN					PASS				
Rmud VERIFICATION					PASS				
TOOL OUT OF TOLERANCE									
SPECTRAL DENSITY SHOP CALIBRATION									
Tool Name:		SDLT Pad - 10865870				Reference Calibration Date:		08-Feb-13 11:58:25	
Engineer:		HOFKAMP				Calibration Date:		13-Mar-13 10:57:08	
Software Version:		WL INSITE R3.6.0 (Build 3)				Calibration Version:		1	
Logging Source S/N: 20784B									
Aluminum Block S/N: FTSM AL BLOCK				Density: 2.581g/cc				Pe: 3.170	
Magnesium Block S/N: FTSM MG BLOCK				Density: 1.687g/cc				Pe: 2.594	
DENSITY CALIBRATION SUMMARY									
Measurement		Previous Value		New Value		Control Limit			
Mud Cell		1.007		1.0075		0.99 - 1.10			

Near Bar Gain	1.0347	1.0345	0.90 - 1.10
Near Dens Gain	1.0255	1.0275	0.90 - 1.10
Near Peak Gain	1.0441	1.0367	0.90 - 1.10
Near Lith Gain	1.0509	1.0649	0.90 - 1.10
Far Bar Gain	1.0104	1.0075	0.90 - 1.10
Far Dens Gain	1.0013	0.9986	0.90 - 1.10
Far Peak Gain	0.9996	0.9989	0.90 - 1.10
Far Lith Gain	0.9776	0.9760	0.90 - 1.10

Near Bar Offset	-0.1069	-0.1109	NONE
Near Dens Offset	-0.0371	-0.0565	NONE
Near Peak Offset	-0.1982	-0.1378	NONE
Near Lith Offset	-0.2792	-0.3983	NONE
Far Bar Offset	0.0568	0.0791	NONE
Far Dens Offset	0.1080	0.1277	NONE
Far Peak Offset	0.0850	0.0815	NONE
Far Lith Offset	0.2082	0.2104	NONE

Near Bar Background	878.52	876.19	700 - 1450
Near Dens Background	288.27	286.66	230 - 480
Near Peak Background	126.53	125.39	100 - 210
Near Lith Background	154.97	153.87	125 - 260
Far Bar Background	530.98	531.44	450 - 900
Far Dens Background	206.14	207.07	175 - 345
Far Peak Background	81.68	81.62	70 - 140
Far Lith Background	85.70	84.68	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	2.579	2.549	-0.030	+/- 0.150
ALUMINUM				
Density (g/cc)	2.581	2.581	0.000	+/- 0.01500
Pe	3.135	3.122	-0.013	+/- 0.150

TOOL SUMMARY				
Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	-0.0013	+/- 0.0110	-0.0030	+/- 0.0140
Magnesium Block	-0.0014	+/- 0.0110	-0.0020	+/- 0.0140
Aluminum Block	0.0004	+/- 0.0110	0.0009	+/- 0.0140
Resolution	9.22	6.00 - 11.50	8.83	6.00 - 11.50
Internal Verifier(B+D+P+L)	1442	1200 - 2700	905	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

Aluminum Quality Check:		Passed
Gains Check:		Passed
Changes in Calibration Blocks:		Passed

SPECTRAL DENSITY FIELD CHECK					
Tool Name:	SDLT Pad - 10865870			Reference Calibration Date:	13-Mar-13 10:57:08
Engineer:	WHITLOCK			Calibration Date:	27-Mar-13 03:44:03
Software Version:	WL INSITE R3.6.0 (Build 3)			Calibration Version:	1

Pad Temperature: 43.5 degF

DENSITY FIELD CALIBRATION SUMMARY				
Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1442.119	1450.399	8.280	15.321
Far (B+D+P+L) cps	904.806	903.677	-1.129	16.344
Near Resolution	9.22	9.33	0.110	0.50
Far Resolution	8.83	9.22	0.390	1.00

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

MICRO LOG SHOP CALIBRATION					
Tool Name:	Microlog Pad - 10950477			Reference Calibration Date:	30-Nov-12 11:36:34
Engineer:	WHITLOCK			Calibration Date:	08-Feb-13 11:29:41
Software Version:	WL INSITE R3.6.0 (Build 3)			Calibration Version:	1
Host Tool Name:	DSNT - 10951378				

CALIBRATION COEFFICIENT SUMMARY					
Measurement	Micro Log Normal		Micro Log Lateral		Units
	Measured	Calibrated	Measured	Calibrated	
Tool Zero	-0.16	-0.10	-0.00	-0.01	ohmm
Calibration Point #1	-0.06	0.00	0.01	0.00	ohmm
Calibration Point #2	19.82	20.00	19.88	20.00	ohmm
Internal Reference	19.73	19.91	19.90	20.02	ohmm

Measurement	Micro Log Normal Tool Value	Micro Log Lateral Tool Value	Units
Tool Zero	-0.93	0.10	V
Calibration Point #1	24.50	3.18	V
Calibration Point #2	5268.10	6843.06	V
Internal Reference	5244.13	6849.93	V

MICRO LOG FIELD CHECK					
Tool Name:	Microlog Pad - 10950477			Reference Calibration Date:	08-Feb-13 11:29:41
Engineer:	WHITLOCK			Calibration Date:	27-Mar-13 03:42:01
Software Version:	WL INSITE R3.6.0 (Build 3)			Calibration Version:	1

Measurement	Micro Log Normal		Micro Log Lateral		Units
	Shop	Field	Shop	Field	
Tool Zero	-0.10	-0.09	-0.01	-0.01	ohmm
Internal Reference	19.91	19.88	20.02	19.98	ohmm

Summary					
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	Signal	Shop	Field	Difference	Tolerance
	Microlog Normal	19.91	19.88	0.03	+/- 0.80
	Microlog Lateral	20.02	19.98	0.04	+/- 0.80

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
Depth Panel-PROT01						
Tension Zero	0.00	-----	-----	0.00	-----	lbs
Tension Cal	7800.00	-----	-----	0.00	-----	lbs
CH_HOS-CH_HOS_I						
DH Tension Zero	0.00	-----	-----	0.00	-----	lbs
DH Tension Cal	1100.00	-----	-----	0.00	-----	lbs
GTET-10971172						
Gamma Ray Calibrator	225.9	230.4	-----	-4.5	+/- 9.00	api
DSNT-10951378						
Snow-Block Porosity	0.0884	0.0759	-----	0.0125	+/- 0.0150	decp
SDLT-10950477						
Pad Extension	3.75	3.75	-----	0.00	+/-0.10	in
Ring Diameter	8.25	8.25	-----	0.00	+/-0.15	in
ACRt Sonde-10952708						
Mud Cell	1.00	-----	-----	0.00	-----	ohm-m
SDLT Pad-10865870						
Near(B+D+P+L)	1442.119	1450.399	-----	-8.280	+/-15.321	cps
Far(B+D+P+L)	904.806	903.677	-----	1.129	+/-16.344	cps
Microlog Pad-10950477						
MicroLog Normal	19.91	19.88	-----	0.03	+/-0.80	ohmm
MicroLog Lateral	20.02	19.98	-----	0.04	+/-0.80	ohmm

Data: VAL_MADDIXI0001 GTET-DSN-SDL-ACRTIDLE	Date: 27-Mar-13 03:47:40
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HALLIBURTON PARAMETERS REPORT						
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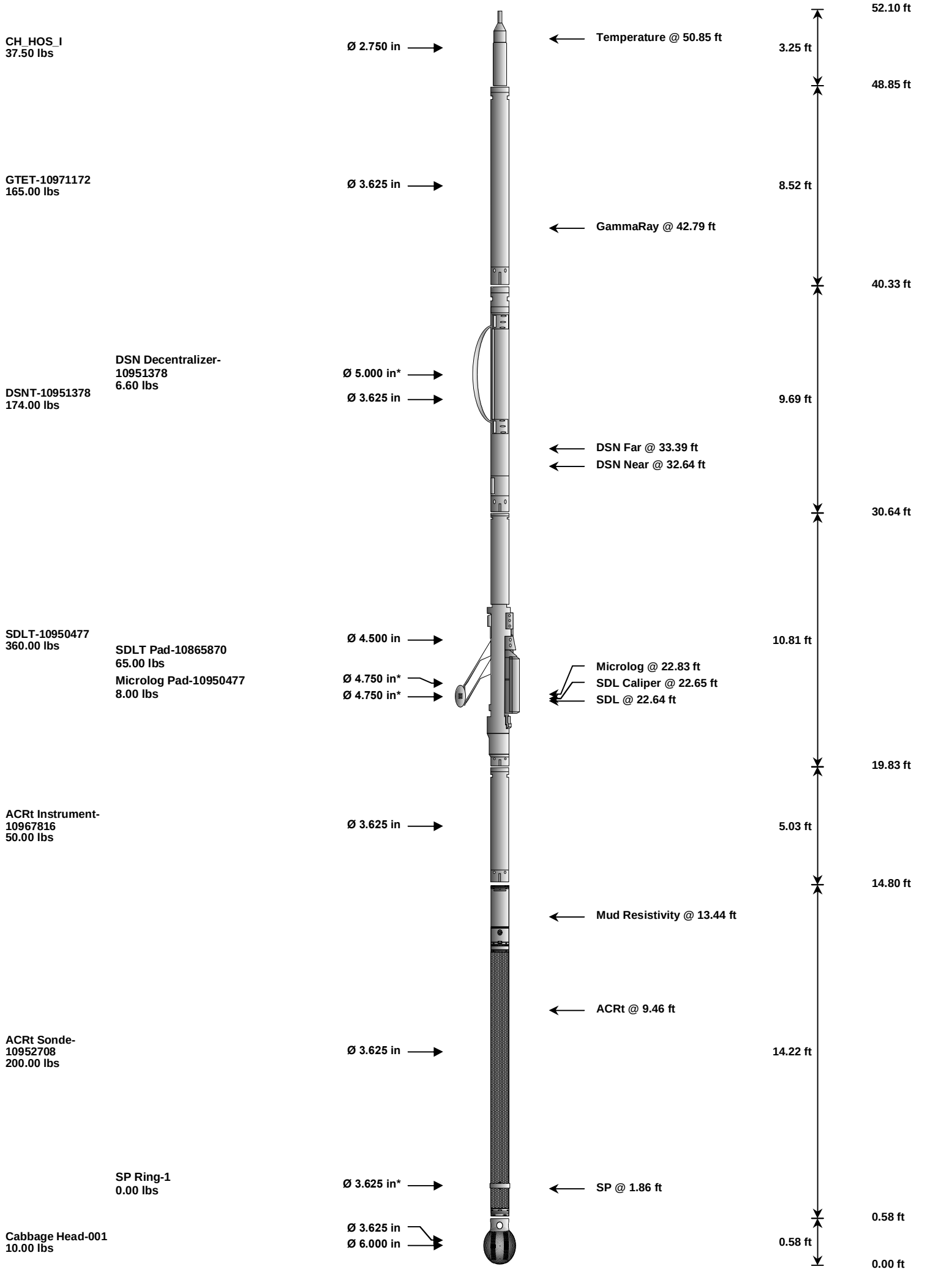
Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP					
	SHARED	BS	Bit Size	7.875	in
	SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No	
	SHARED	MDBS	Mud Base	Water	
	SHARED	MDWT	Borehole Fluid Weight	9.400	ppg
	SHARED	WAGT	Weighting Agent	Barite	
	SHARED	BSAL	Borehole salinity	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	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	4450.00	ft
	SHARED	BHT	Bottom Hole Temperature	130.0	degF
	SHARED	SVTM	Navigation and Survey Master Tool	NONE	
	SHARED	AZTM	High Res Z Accelerometer Master Tool	GTET	
	SHARED	TFMM	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	DNSO	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	
ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm
BOTTOM_____				
Data: VAL_MADDIXI0001 GTET-DSN-SDLT-ACRT-IDLE			Date: 27-Mar-13 03:25:30	

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
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Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max. Log. Speed (fpm)
CH_HOS	Hostile Cable Head with Load Cell	CH_HOS_I	37.50	3.25	48.85	300.00
GTET	Gamma Telemetry Tool	10971172	165.00	8.52	40.33	60.00
DSNT	Dual Spaced Neutron	10951378	174.00	9.69	30.64	60.00
DCNT	DSN Decentralizer	10951378	6.60	5.13	*	33.97
SDLT	Spectral Density Tool	10950477	360.00	10.81	19.83	60.00
SDLP	Density Insite Pad	10865870	65.00	2.55	*	22.04
MICP	Microlog Pad	10950477	8.00	1.00	*	22.33
ACRT	Array Compensated True Resistivity Instrument Section	10967816	50.00	5.03	14.80	300.00
ACRT	Array Compensated True Resistivity Sonde Section	10952708	200.00	14.22	0.58	300.00
SP	SP Ring	1	0.00	0.25	*	1.86
CBHD	Cabbage Head	001	10.00	0.58	0.00	300.00
Total			1,076.10	52.10		
* Not included in Total Length and Length Accumulation.						Date: 27-Mar-13 03:26:20
Data: VAL_MADDIX\0001 GTET-DSN-SDL-ACRT\IDLE						

Plot Time: 27-Mar-13 05:41:38

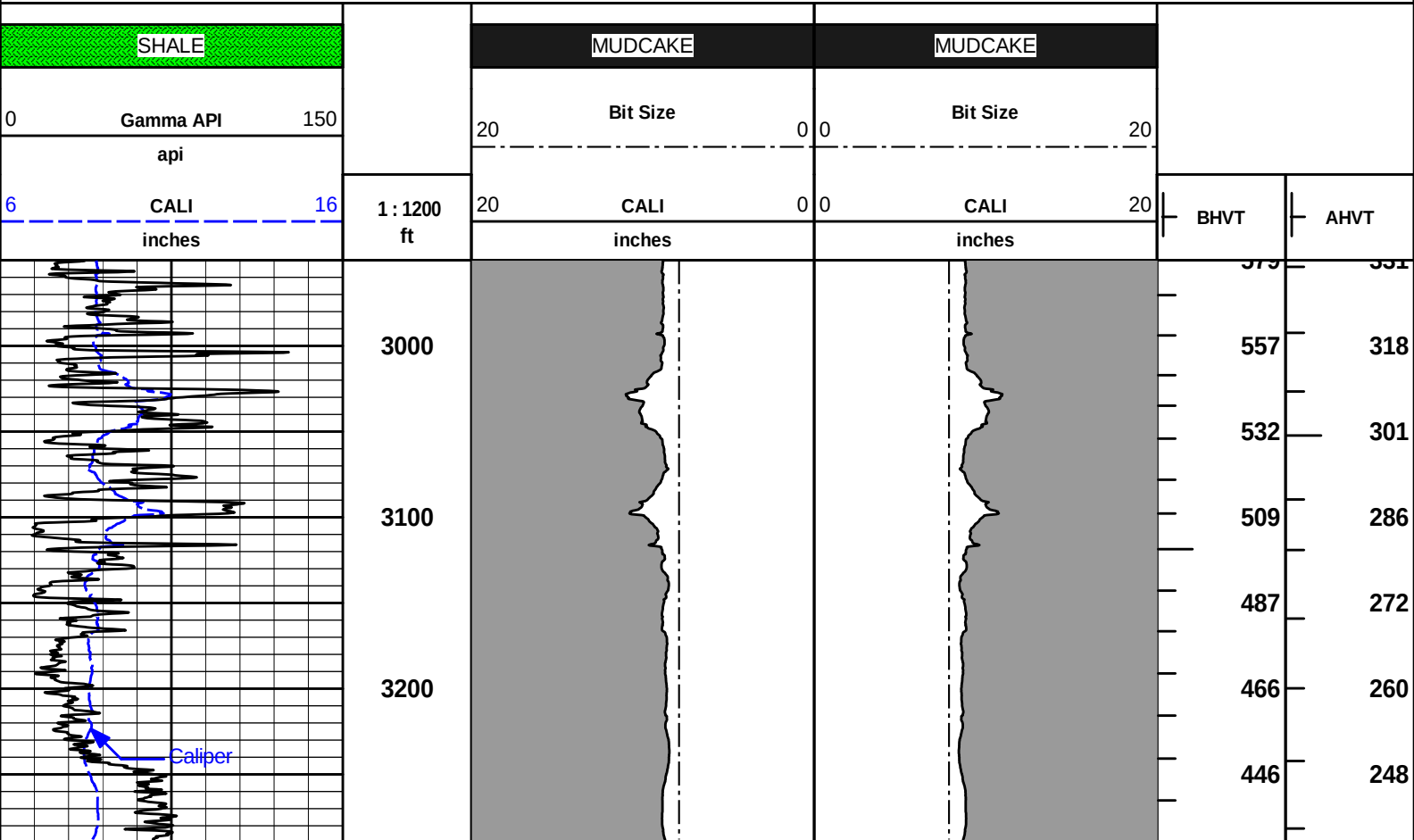
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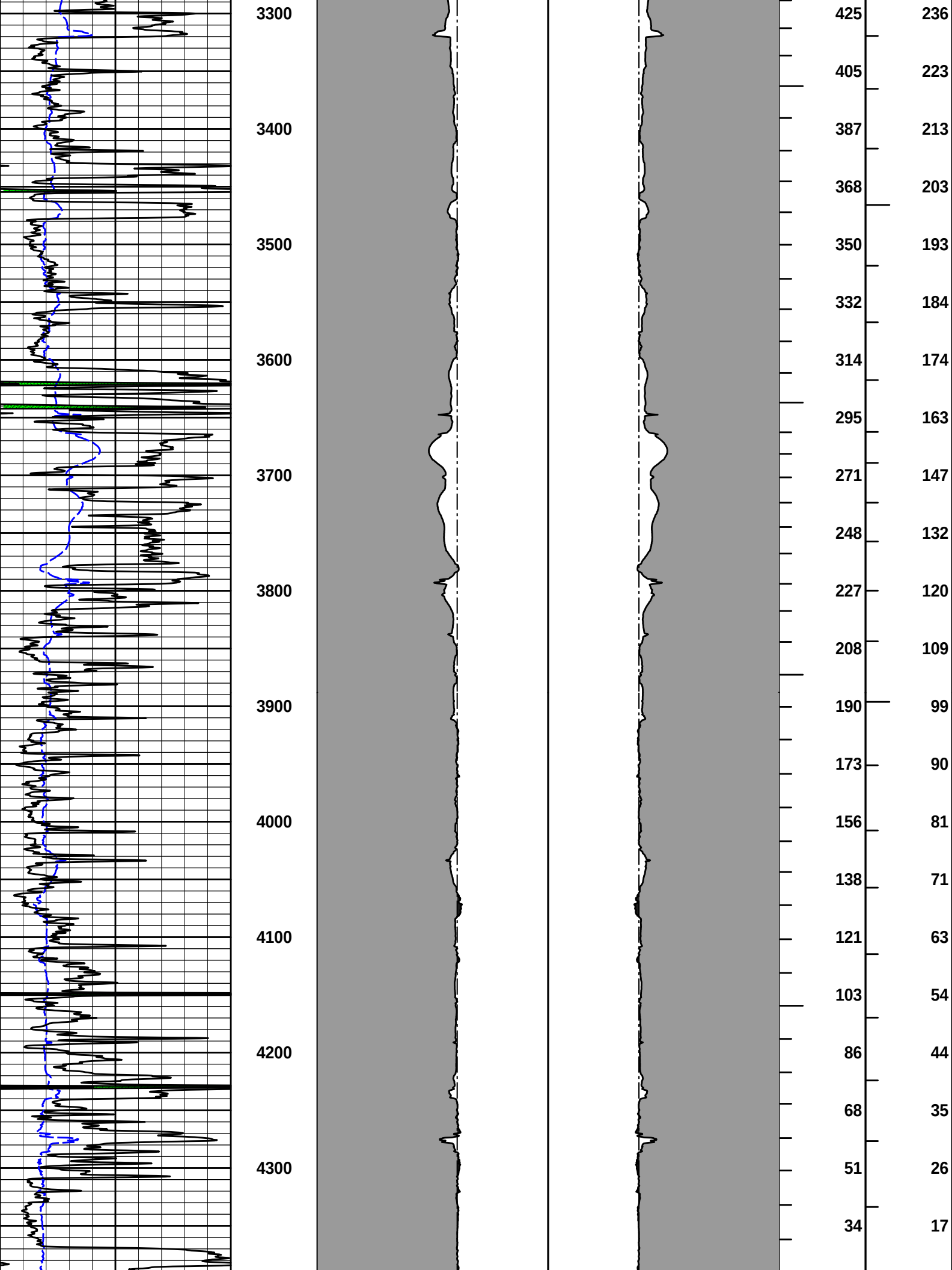
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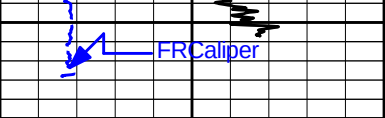
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ANNULAR HOLE VOLUME PLOT

AHV PLOT CALCULATED FOR 5.5" CASING





	4400			17	9
6 CALI 16 inches	1 : 1200 ft	20 CALI 0 0 inches	20 CALI 20 inches	BHVT	AHVT
0 Gamma API 150 api		20 Bit Size 0 0 inches	20 Bit Size 20 inches		
SHALE		MUDCAKE	MUDCAKE		

HALLIBURTON

Plot Time: 27-Mar-13 05:41:41
 Plot Range: 2950 ft to 4450.92 ft
 Data: VAL_MADDIX\Well Based\DAQ-0001-003\
 Plot File: \\-LOCAL-\\VAL_MADDIX\0001 GTET-DSN-SDL-ACRT\SDL-DSN\AHV Plot_INSITE_IQ

ANNULAR HOLE VOLUME PLOT

AHV PLOT CALCULATED FOR 5.5" CASING