

HALLIBURTON

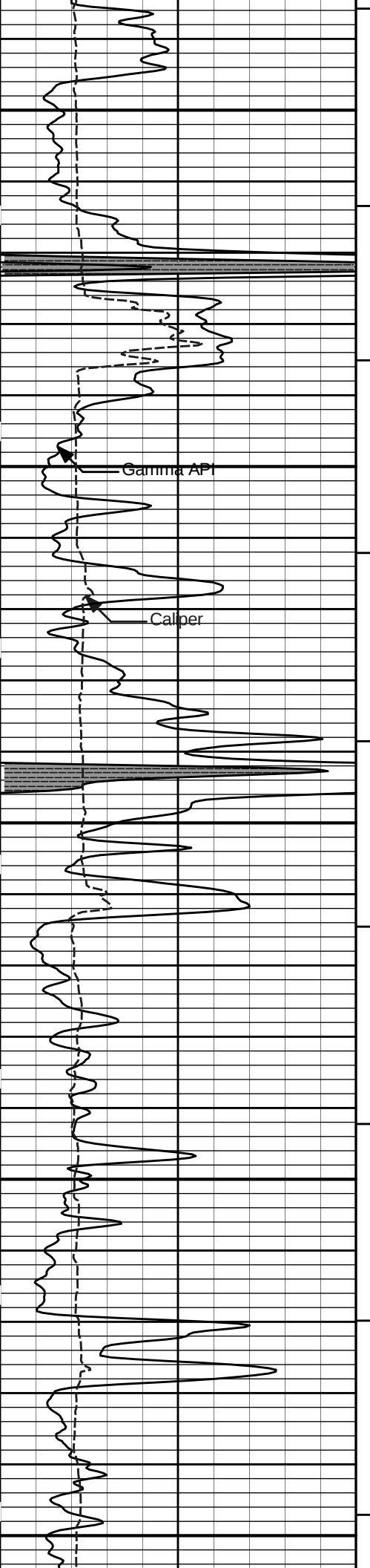
SPECTRAL DENSITY
DUAL SPACED NEUTRON
LOG

COMPANY				OXY USA INC.							
WELL				GARDEN CITY V-5							
FIELD/BLOCK				SEQUOYAH SOUTH							
COUNTY				FINNEY							
STATE				KANSAS							
Permanent Datum		GL		Sect. 27		Twp. 23S		Rge. 34W		Other Services: DSN / SDL MICROLOG BSAT ACRT	
Log measured from		KB		Location		15055222510000		200 FSL & 1720' FWL		Elev.: K.B. 2971.0 ft	
Drilling measured from		KB								D.F. 2970.0 ft	
										G.L. 2960.0 ft	
Date		22-Nov-13									
Run No.		ONE									
Depth - Driller		5089.00 ft									
Depth - Logger		5065.0 ft									
Bottom - Logged Interval		5021									
Top - Logged Interval		3700									
Casing - Driller		8.625 in		@		1667.0 ft		@			
Casing - Logger		1666.0 ft									
Bit Size		7.875 in		@				@			
Type Fluid in Hole		WATER BASED									
Density		9.1 ppg		32.00 s/qt							
PH		9.70 pH		7.6 cp/m							
Source of Sample		MUD PIT									
Rm @ Meas. Temperature		0.715 ohmm		@		75.00 degF		@			
Rmf @ Meas. Temperature		0.61 ohmm		@		75.00 degF		@			
Rmc @ Meas. Temperature		0.822 ohmm		@		75.00 degF		@			
Source Rmf		CALCULATED		CALCULATED							
Rm @ BHT		0.44 ohmm		@		127.0 degF		@			
Time Since Circulation		8.5 hr									
Time on Bottom		23-Nov-13 04:17									
Max. Rec. Temperature		127.0 degF		@		5065.0 ft		@			
Equipment		11072142		LIBERAL							
Recorded By		SHELDON INGERSOLL									
Witnessed By		G. FLAGG									

Service Ticket No.: 900913978				API Serial No.: 15055222510000				PGM Version: WL INSITE R3.8.4 (Build 5)							
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		CENT			
Rmc @ Meas. Temp.		@		@				11005909							
Source Rmf		Rmc													
Rm @ BHT		@		@											
Rmf @ BHT		@		@											
Rmc @ BHT		@		@											
EQUIPMENT DATA															
GAMMA				ACOUSTIC				DENSITY				NEUTRON			
Run No.		ONE		Run No.		ONE		Run No.		ONE		Run No.		ONE	
Serial No.		11021139		Serial No.		10747684		Serial No.		10865884		Serial No.		11055304	
Model No.		GTET		Model No.		BSAT		Model No.		SDLT		Model No.		DSNT	
Diameter		3.625"		No. of Cent.		2		Diameter		5.3"		Diameter		3.625"	
Detector Model No.		T-102		Spacing		.5'		Log Type		GAM-GAM		Log Type		NEU-NEU	
Type		SCINT						Source Type		CS-137		Source Type		AM-241BE	
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 CI	
LOGGING DATA															

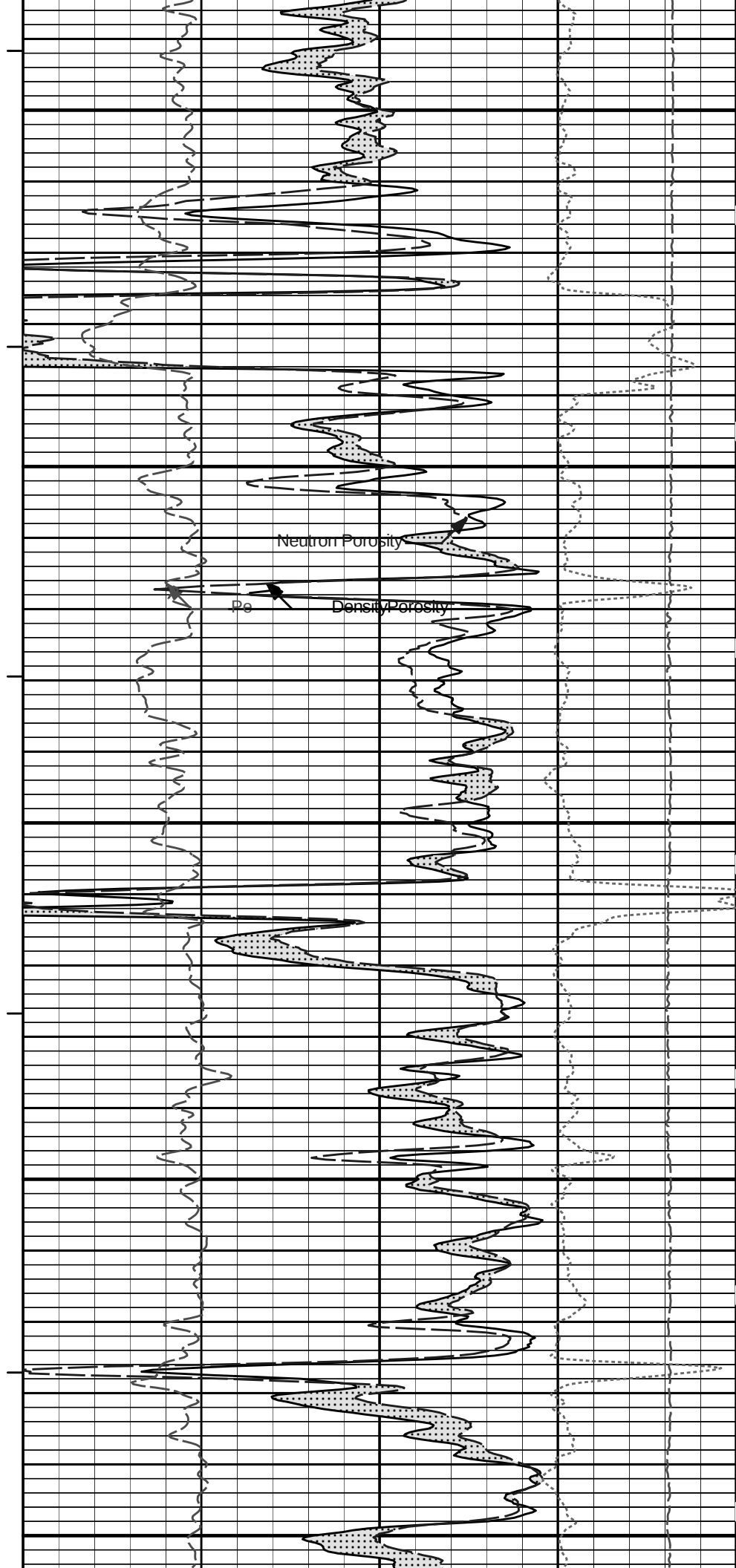
GENERAL			GAMMA		ACOUSTIC			DENSITY			NEUTRON			
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R		L	R	
ONE	5065	1666	REC	0	150	30	-10	47.6 us/ft	30	-10	2.71 gm/cc	30	-10	LIME
DIRECTIONAL INFORMATION														
Maximum Deviation @								KOP @						
Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING.														

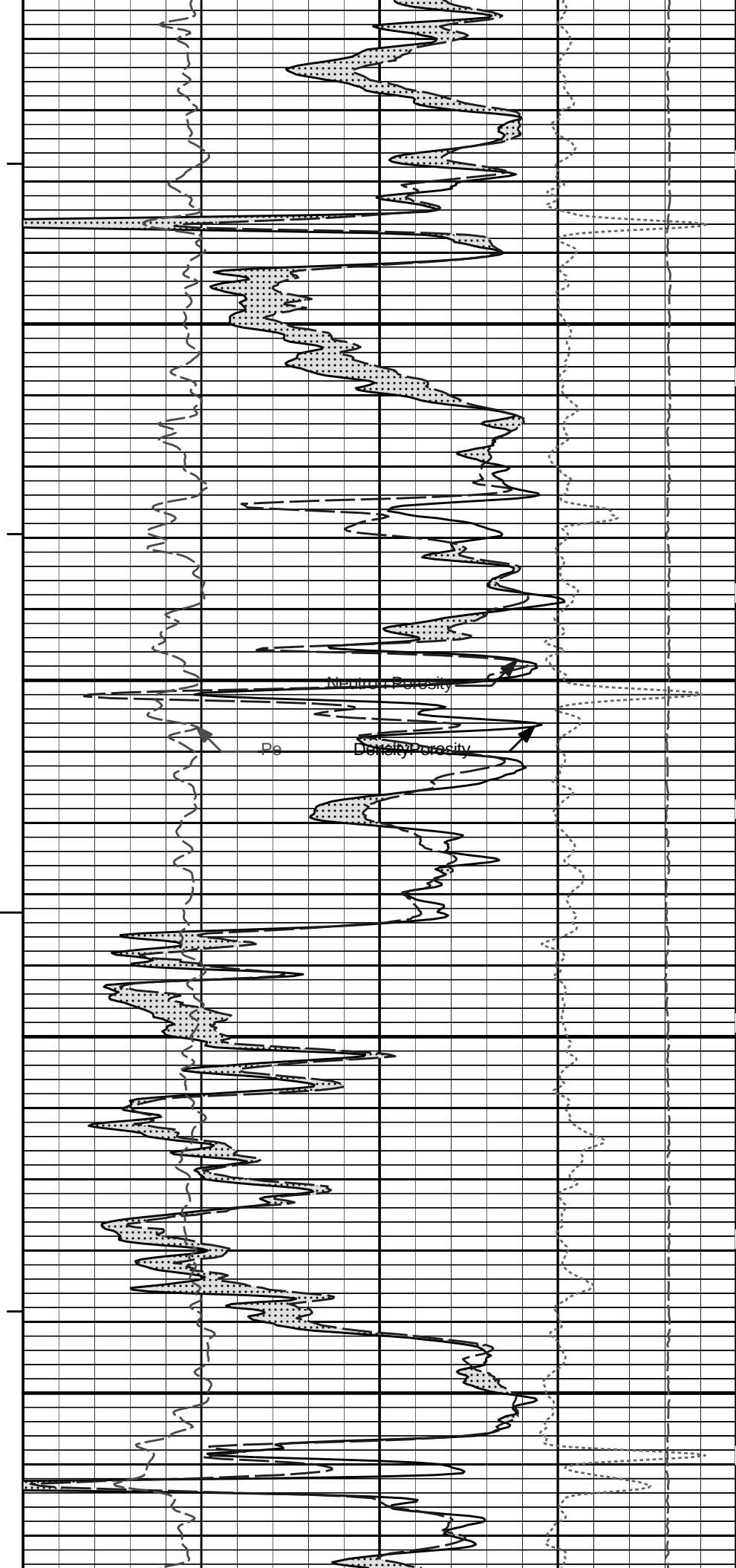
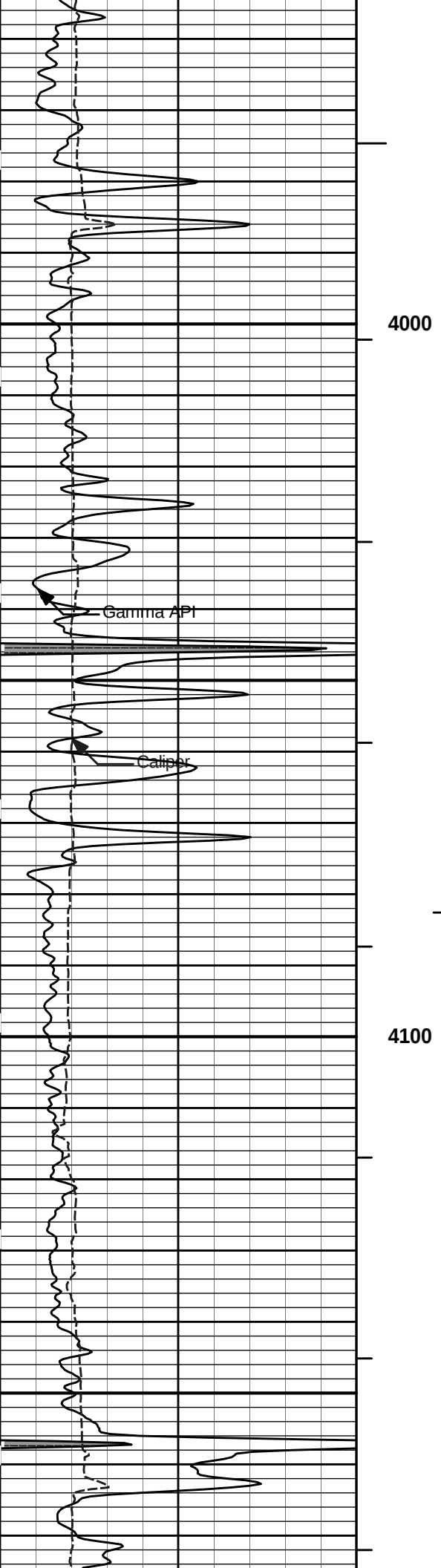
			CROSSOVER		
			30	Neutron Porosity	-10
			%		
			30	DensityPorosity	-10
			%		
0	Gamma API	150	15K		Tension
api			pounds		
6	Caliper	16	0	Pe	10
inches			-0.25		DensityCorr
			gram per cc		0.25
3700					

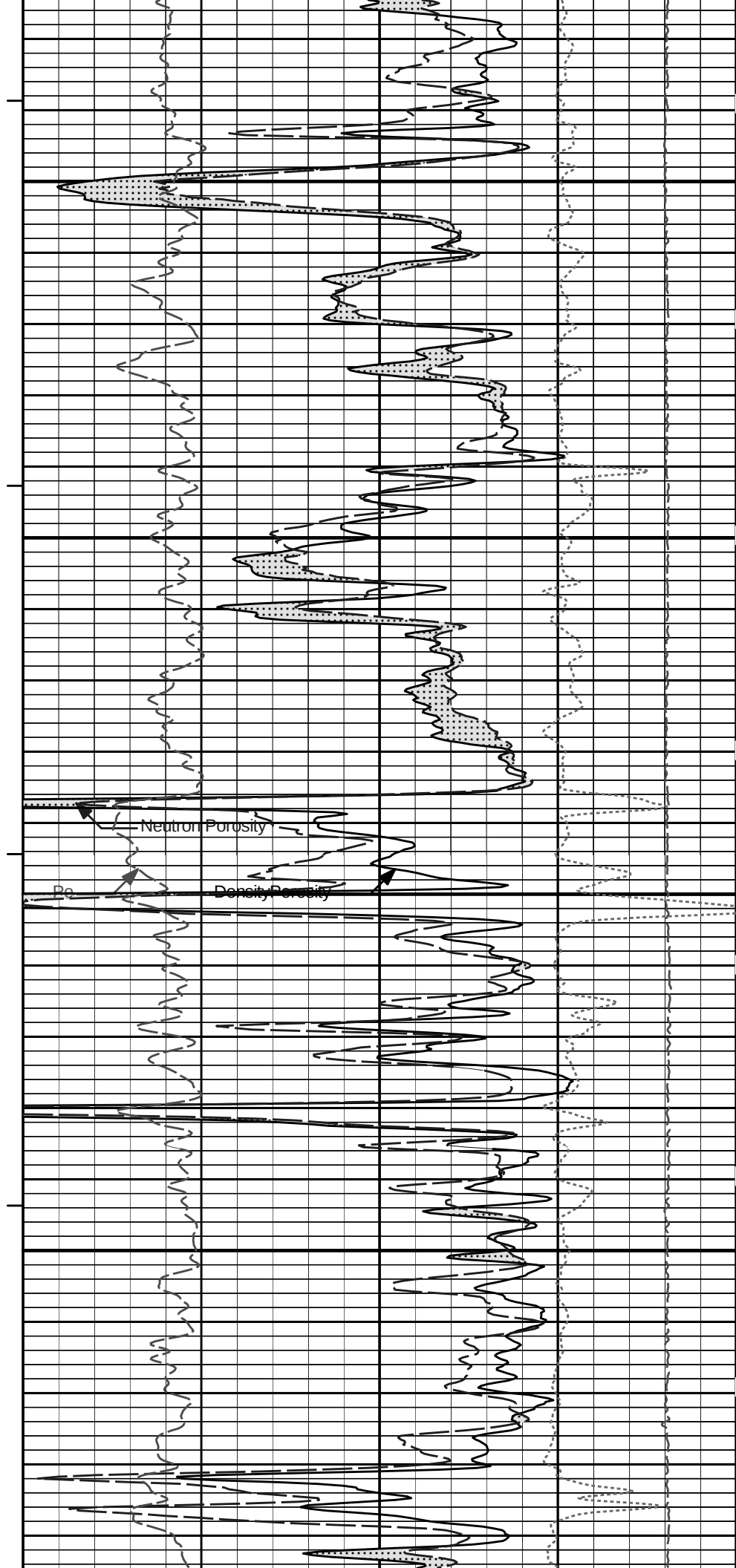
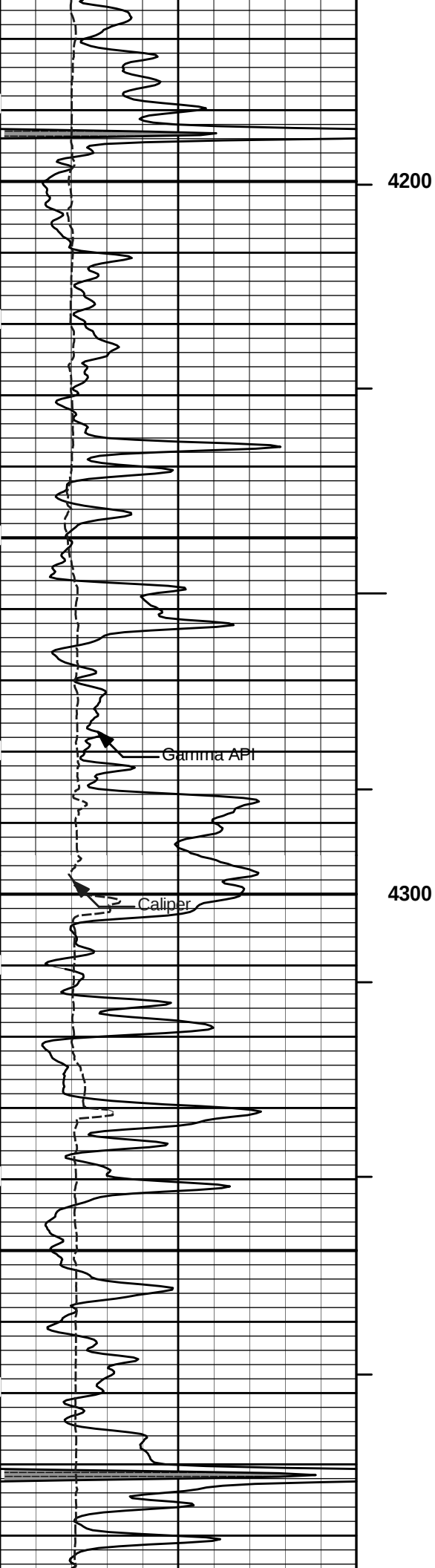


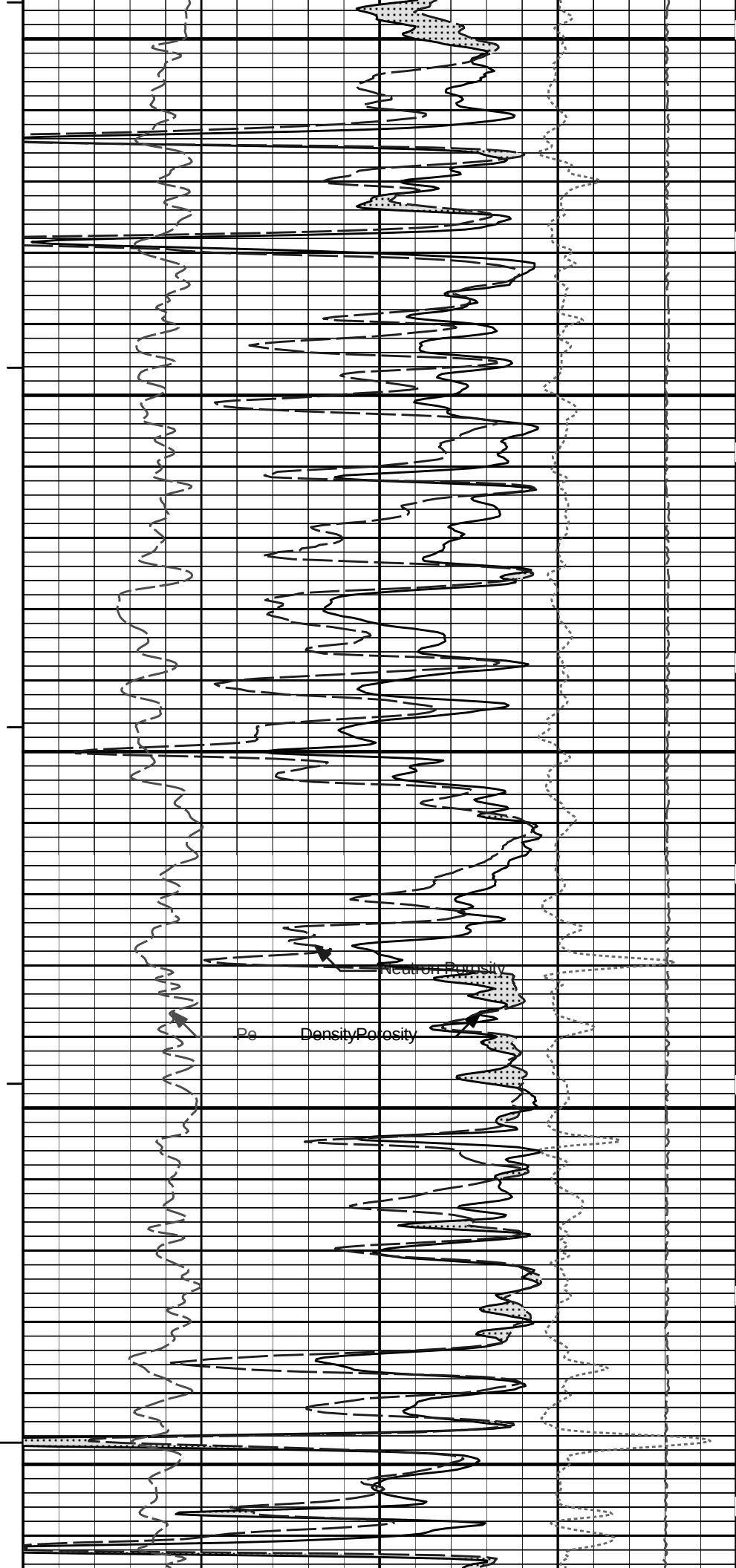
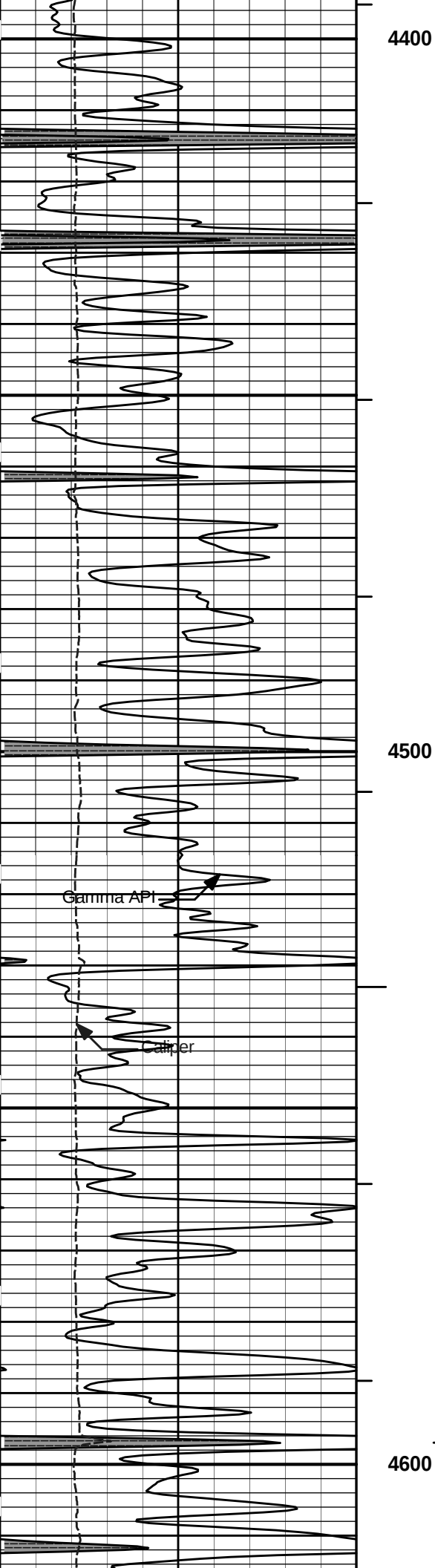
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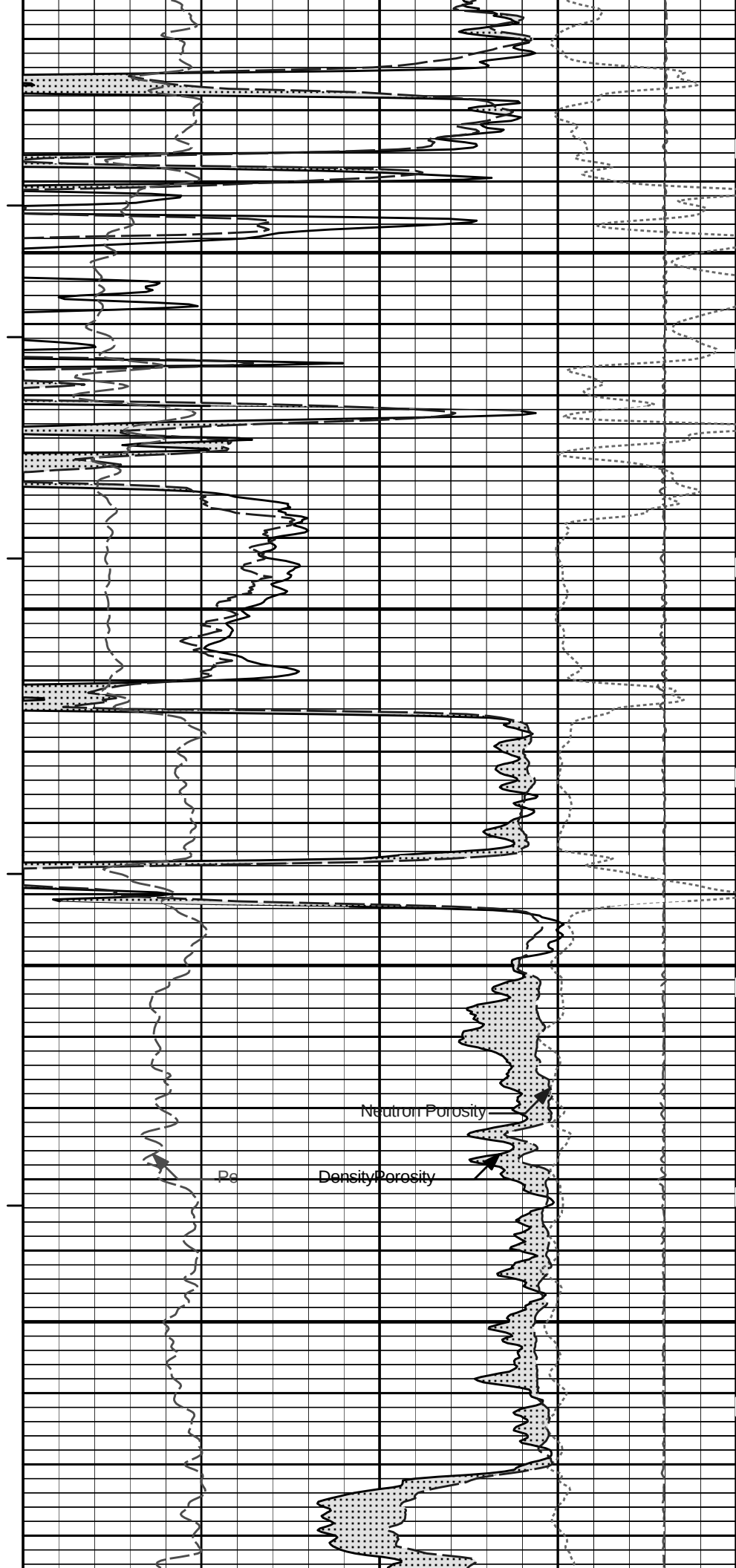
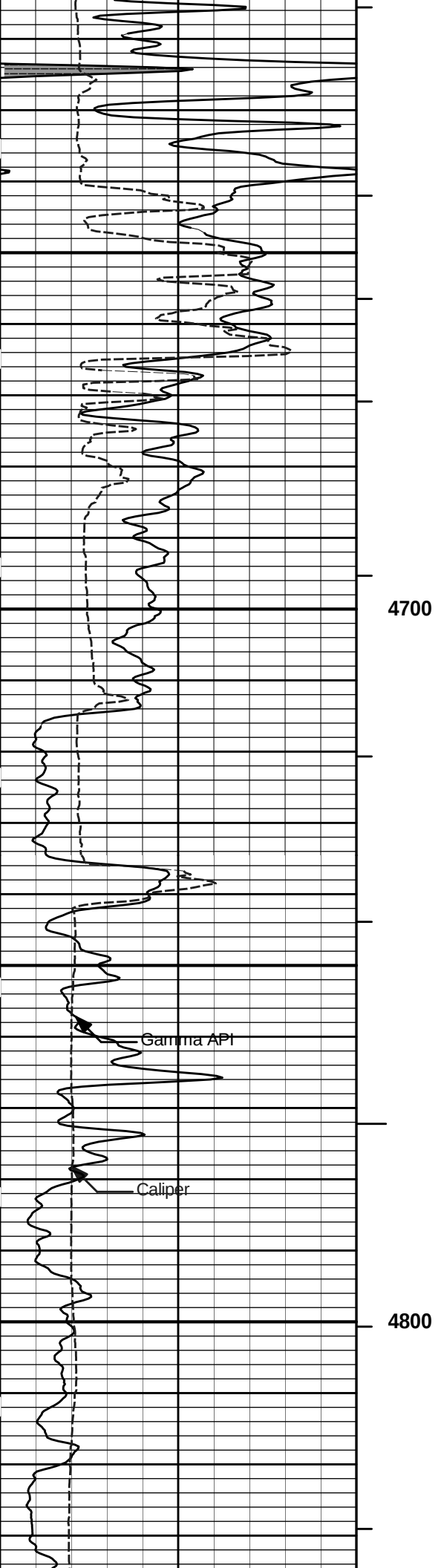
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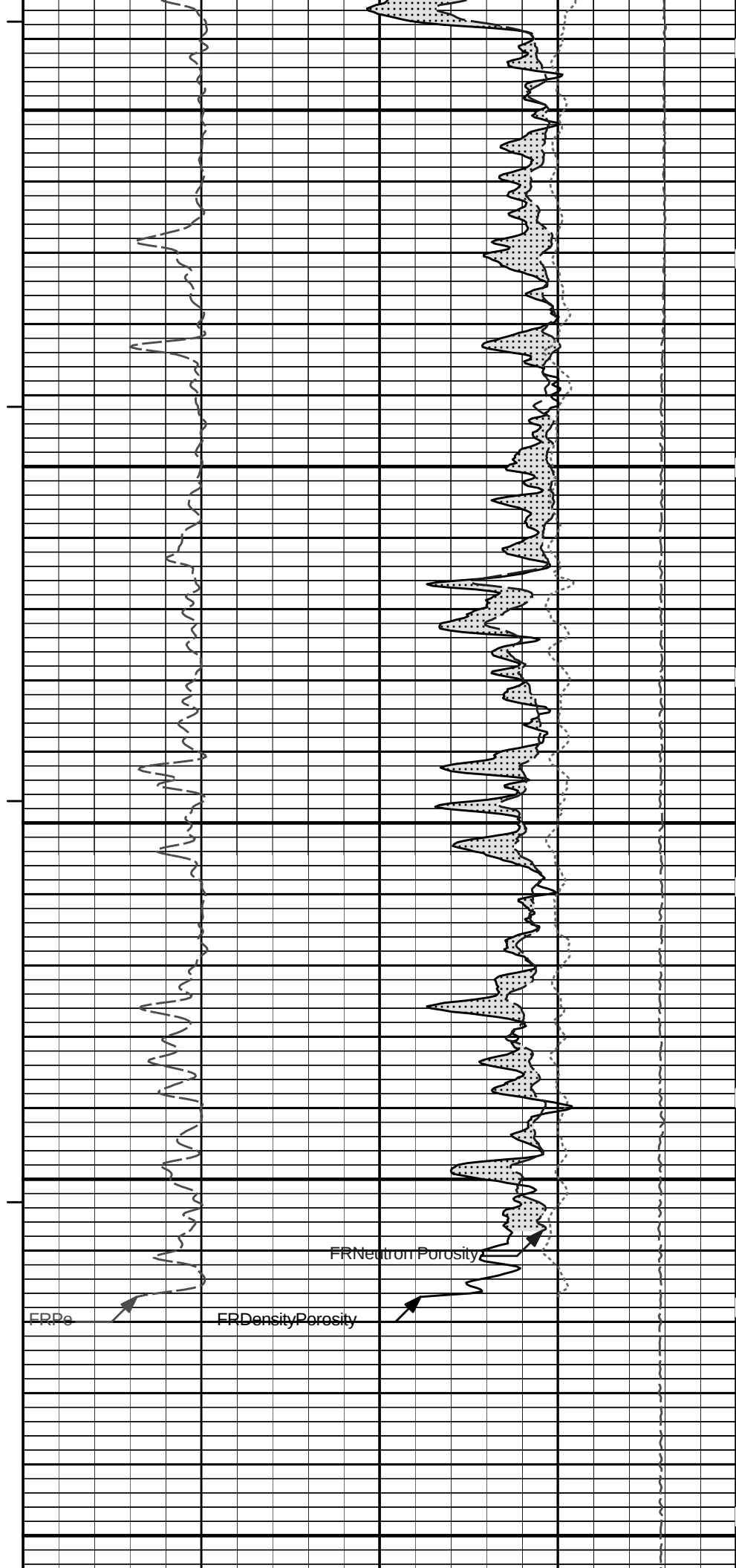
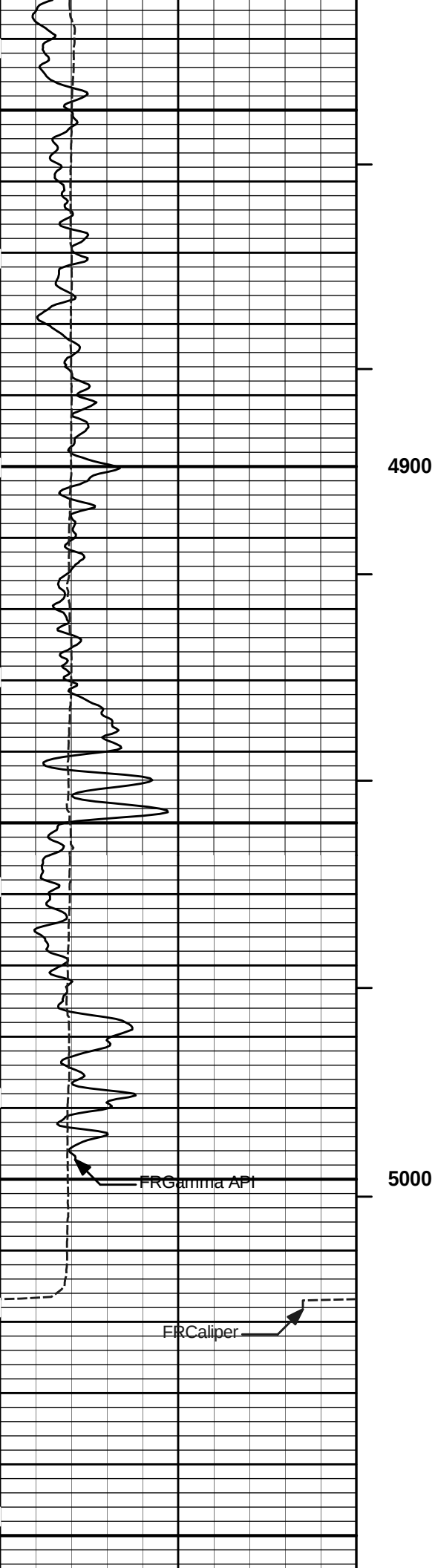










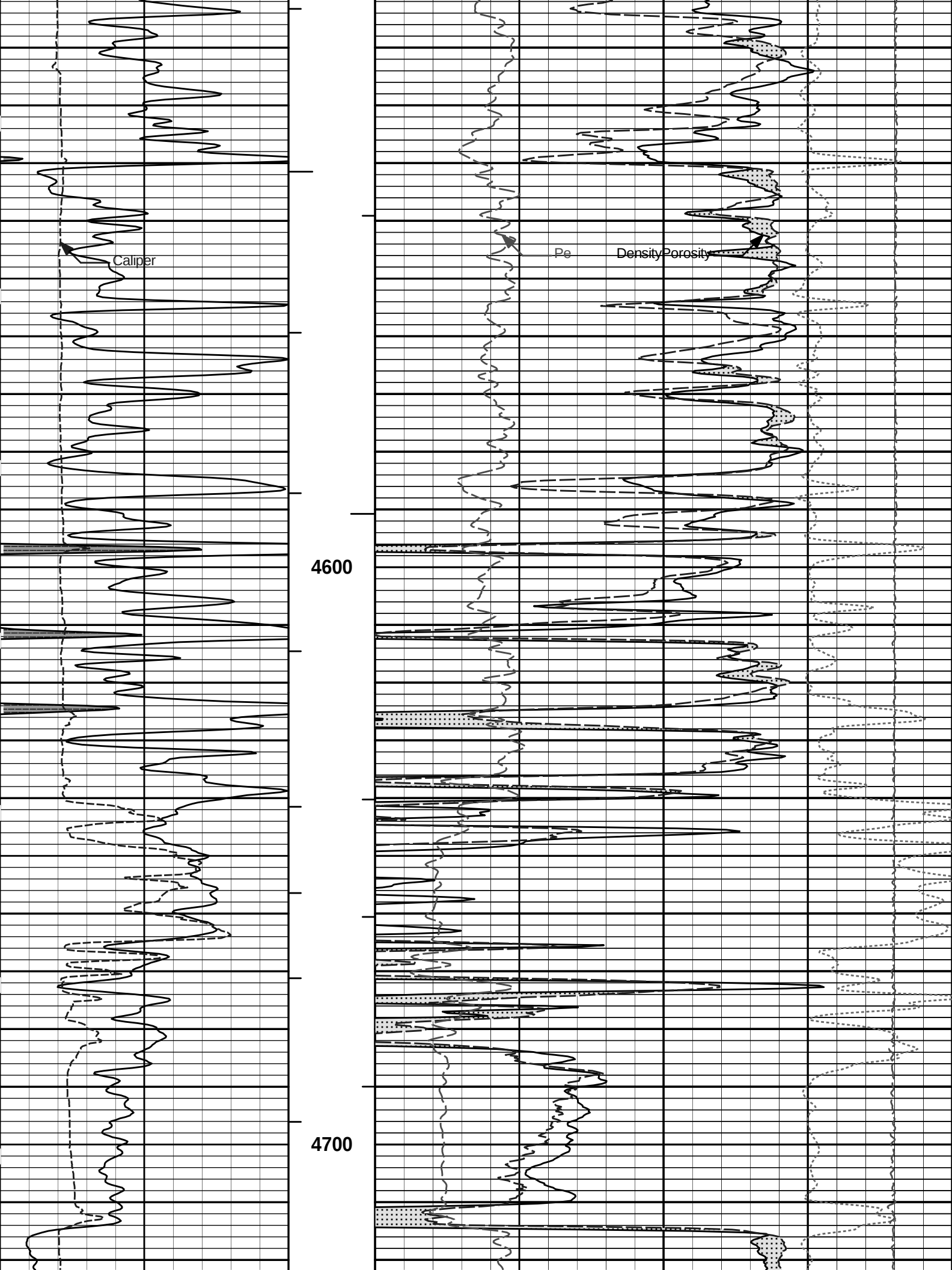


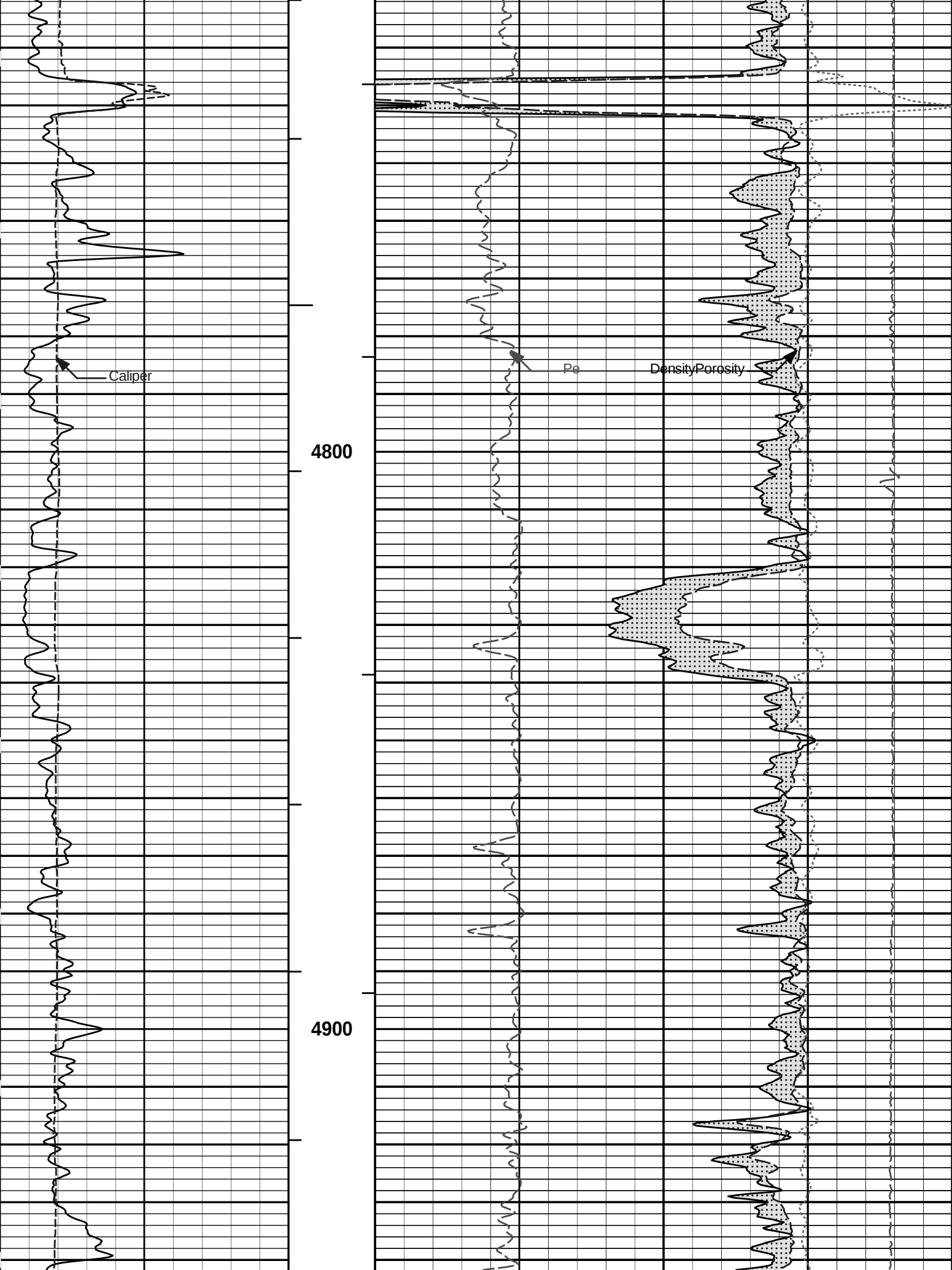
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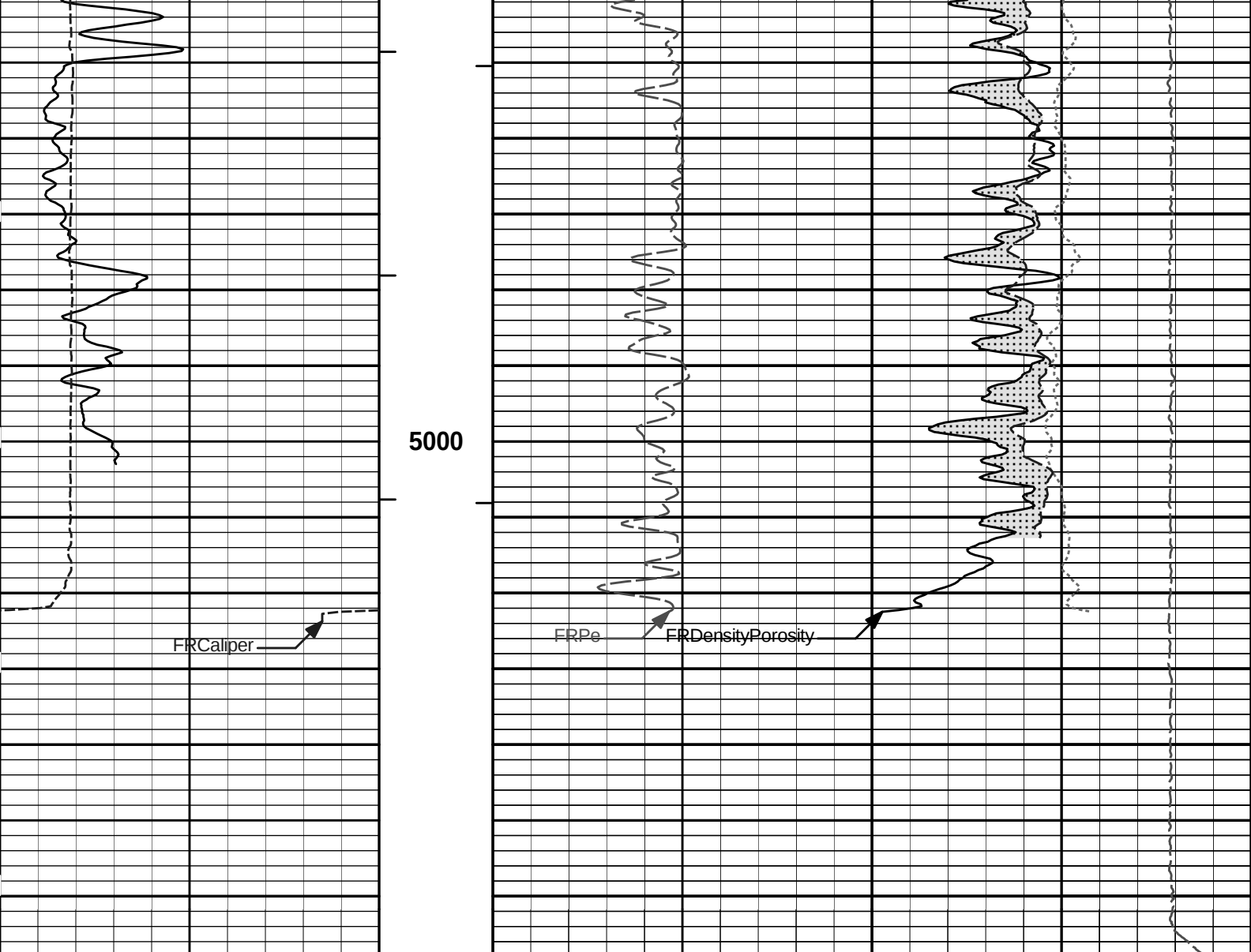
Plot Time: 23-Nov-13 07:30:10
Plot Range: 3695 ft to 5062.5 ft
Data: GARDEN_CITY_V-5\Well Based\R1 DETAIL\
Plot File: \\POROSITY\Poro_IQ_5_MAIN_LIB

5 INCH MAIN LOG

			CROSSOVER		
			30	Neutron Porosity	-10
			%		
SHALE			30	Density Porosity	-10
			%		
0	Gamma API	150	15K		Tension
api					pounds
6	Caliper	16	0	Pe	10
inches			-0.25	Density Corr	0.25
			gram per cc		
4500					







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

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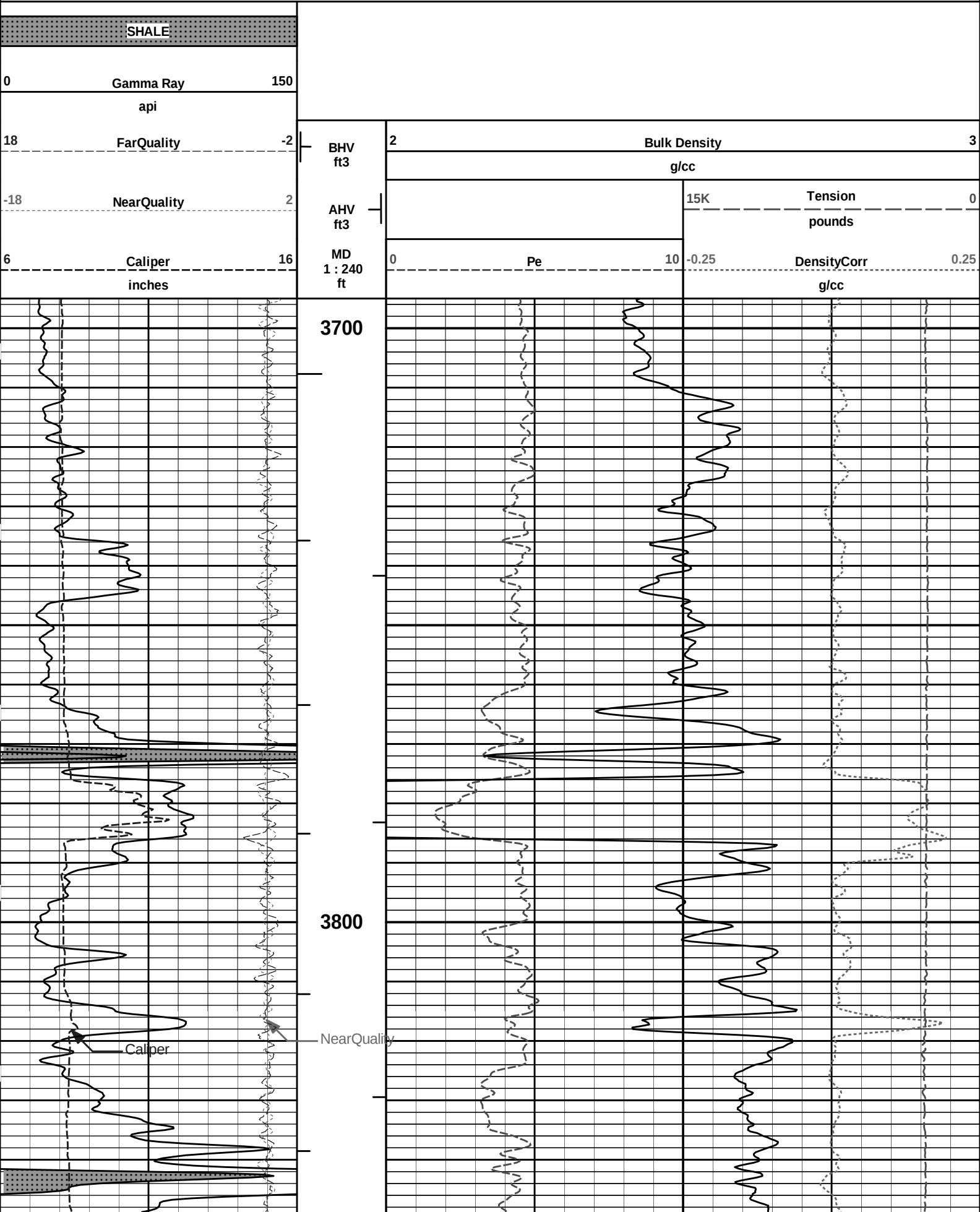
Plot Time: 23-Nov-13 07:30:14
 Plot Range: 4450 ft to 5067.67 ft
 Data: GARDEN_CITY_V-5\Well Based\R1 REPEAT\
 Plot File: \\POROSITY\Porosity_Q_5_REP_LIB

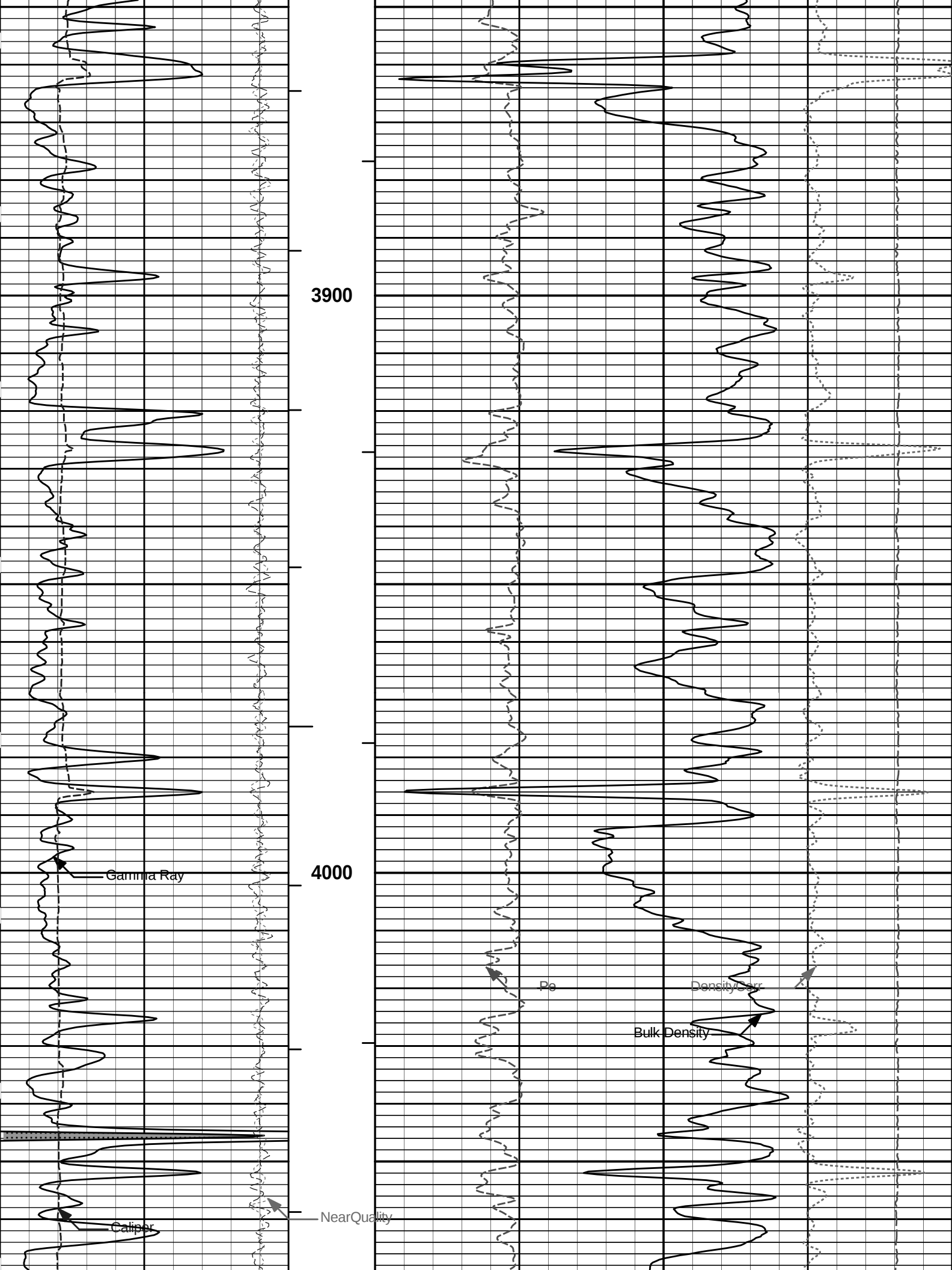
REPEAT SECTION

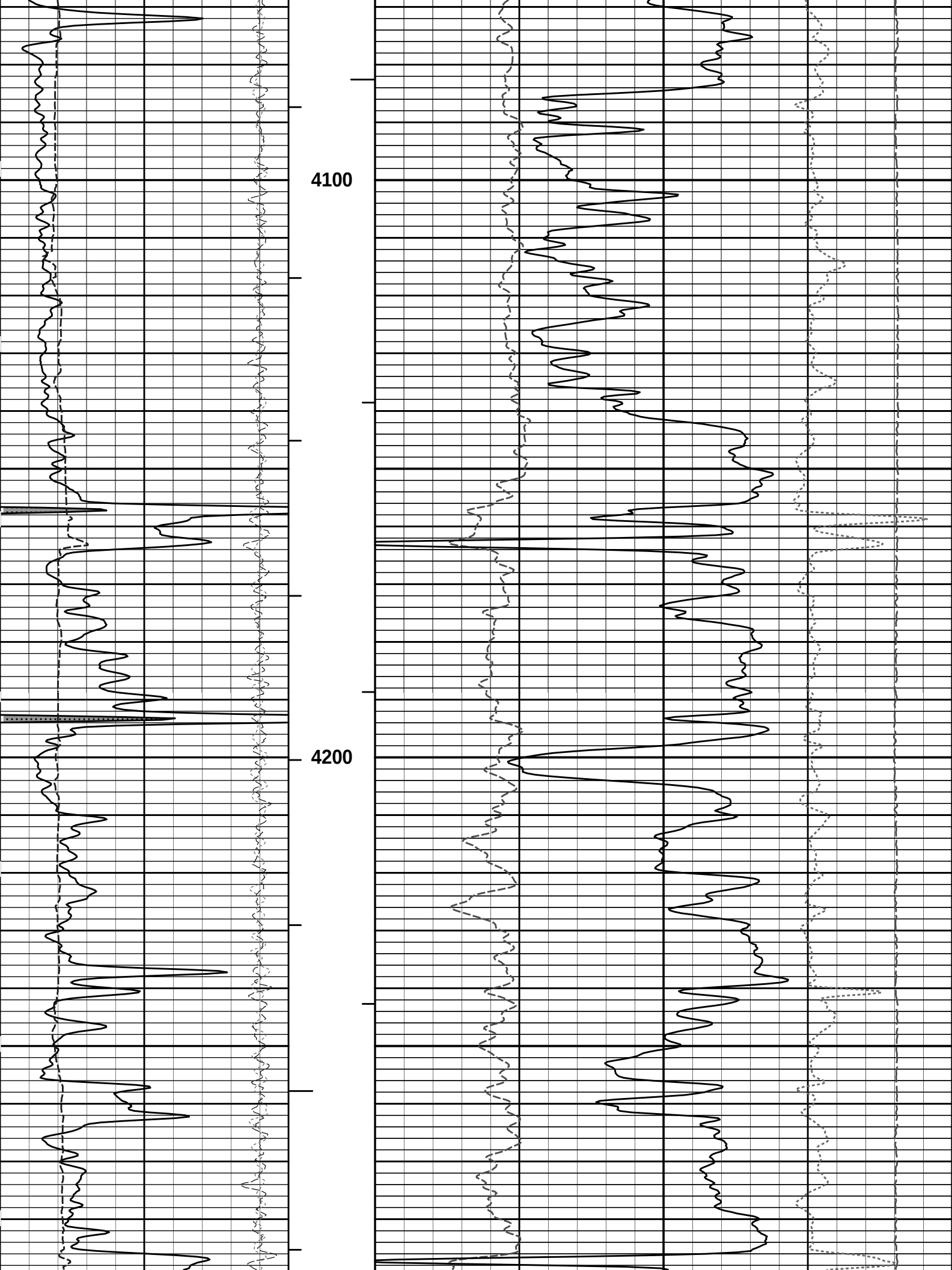
HALLIBURTON

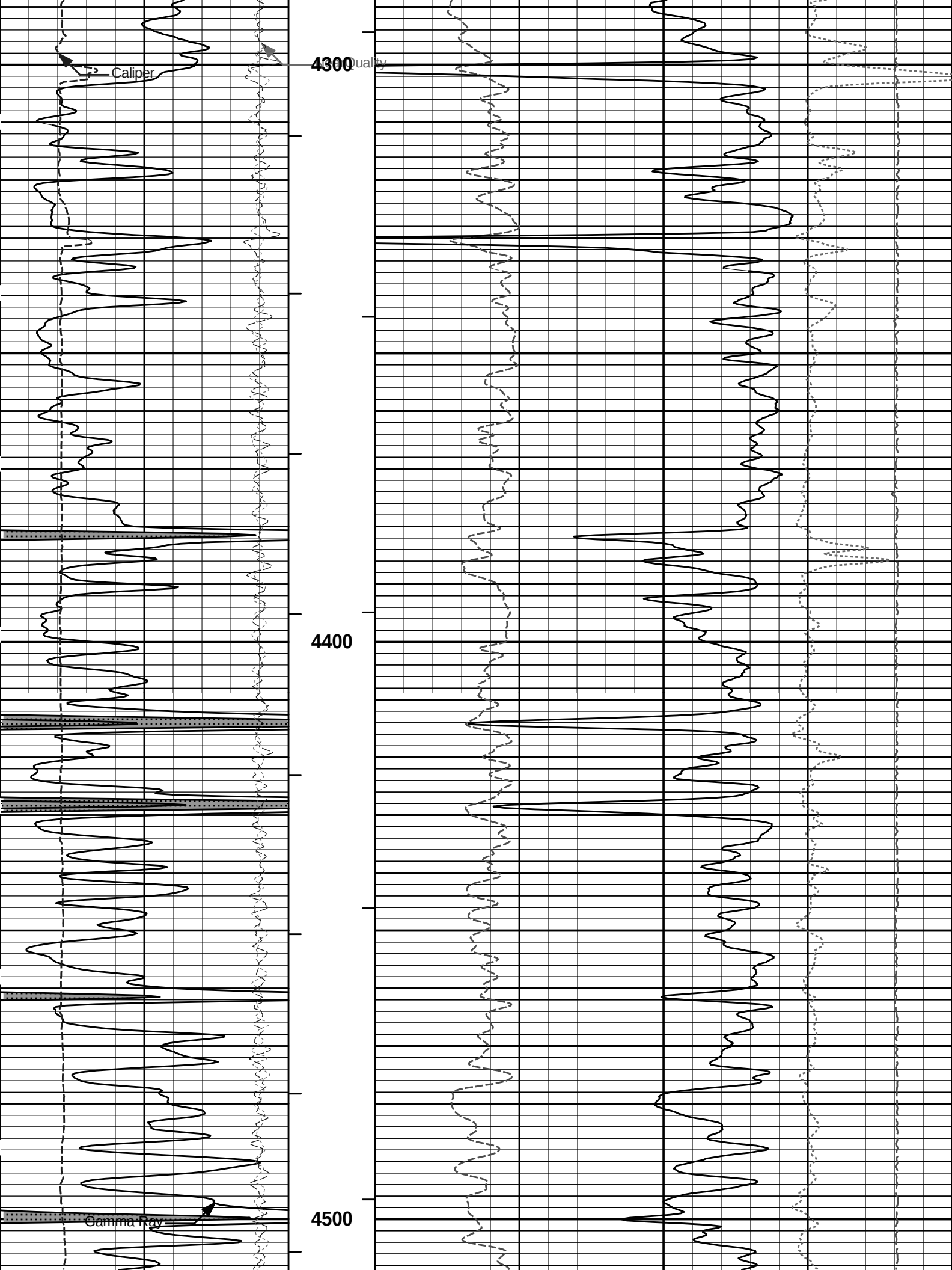
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 Plot Range: 3695 ft to 5062.5 ft
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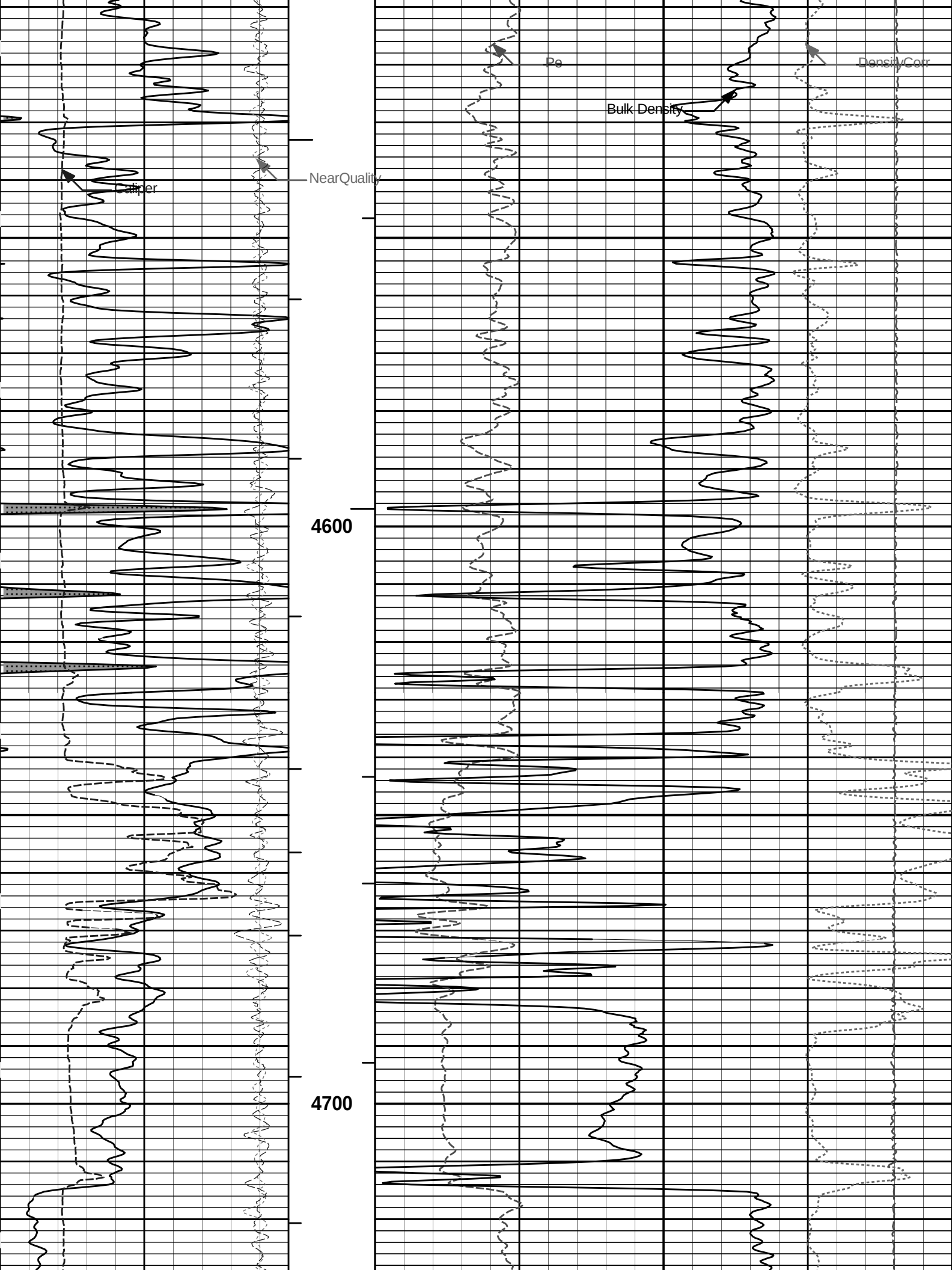
5 INCH MAIN LOG

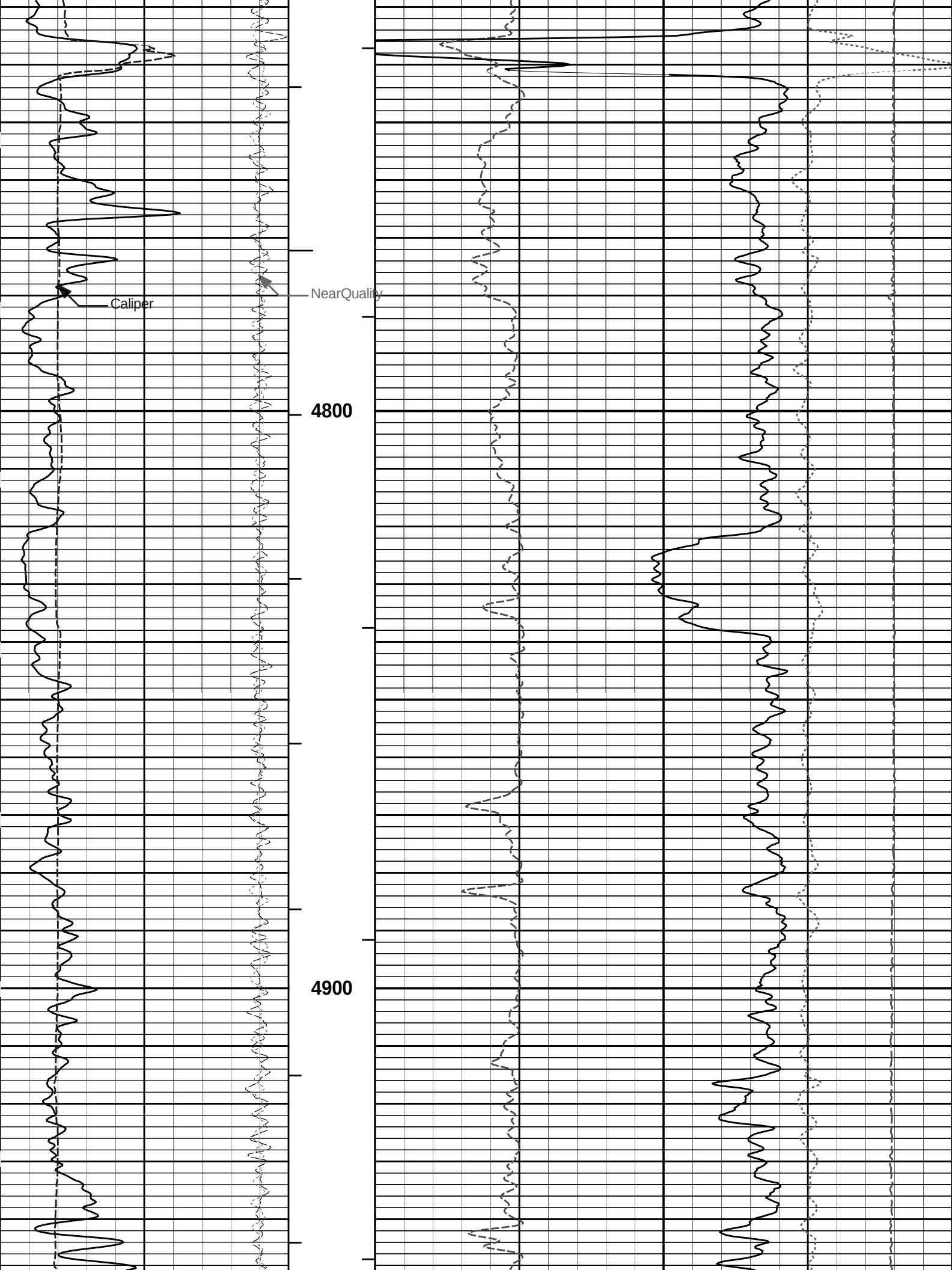


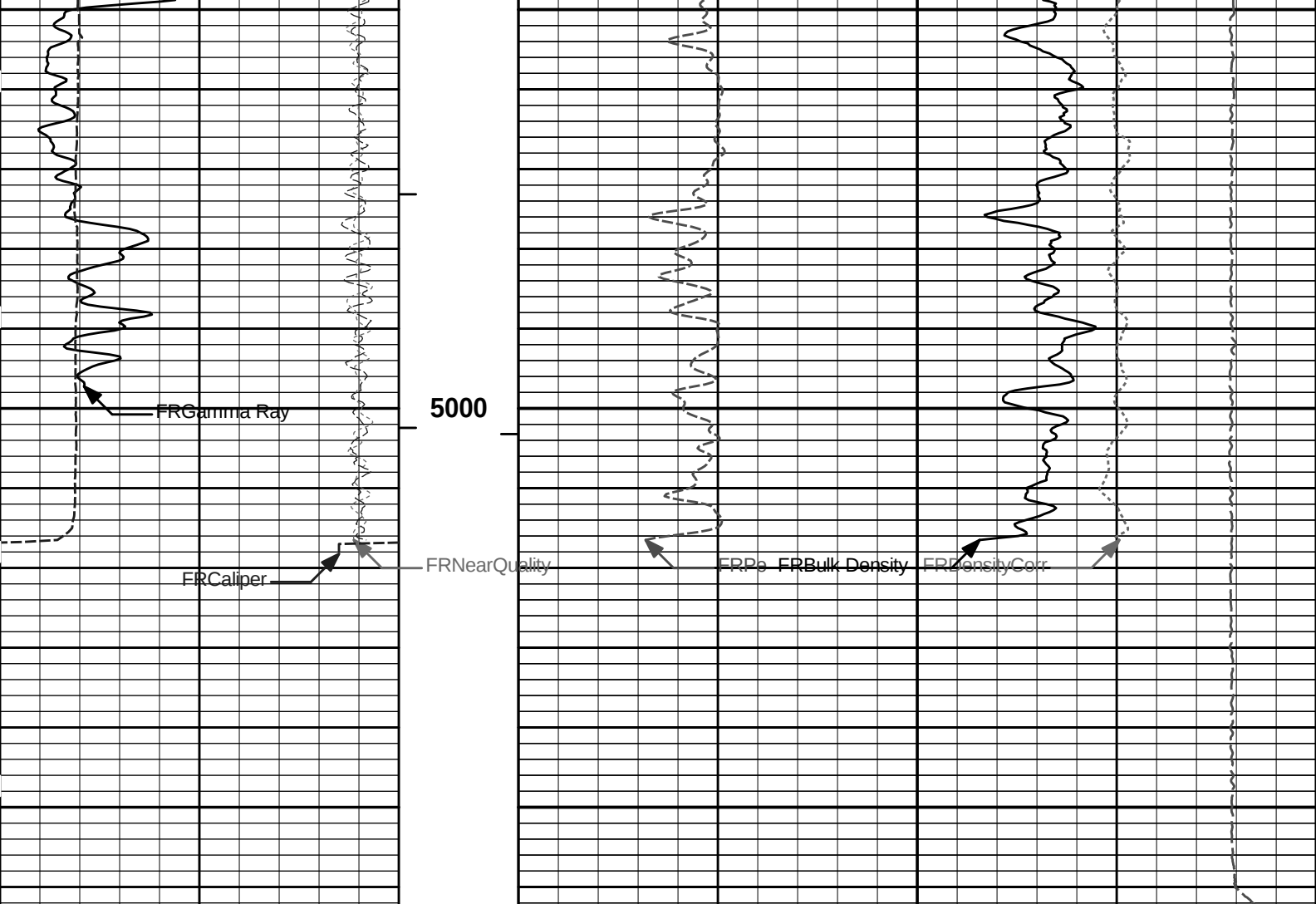












6	Caliper	16	MD 1 : 240 ft	0	Pe	10	-0.25	DensityCorr	0.25		
	inches										
-18	NearQuality	2									
			AHV ft3				15K	Tension	0		
								pounds			
18	FarQuality	-2			2	Bulk Density				3	
						g/cc					
0	Gamma Ray	150									
	api										
	SHALE										

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Plot Time: 23-Nov-13 07:30:17
Plot Range: 3695 ft to 5062.5 ft
Data: GARDEN_CITY_V-5Well Based\R1 DETAIL\
Plot File: \\-LOCAL-(GARDEN_CITY_V-5Well Based\POROSITY\BULKD_5_MAIN_LIB

5 INCH MAIN LOG

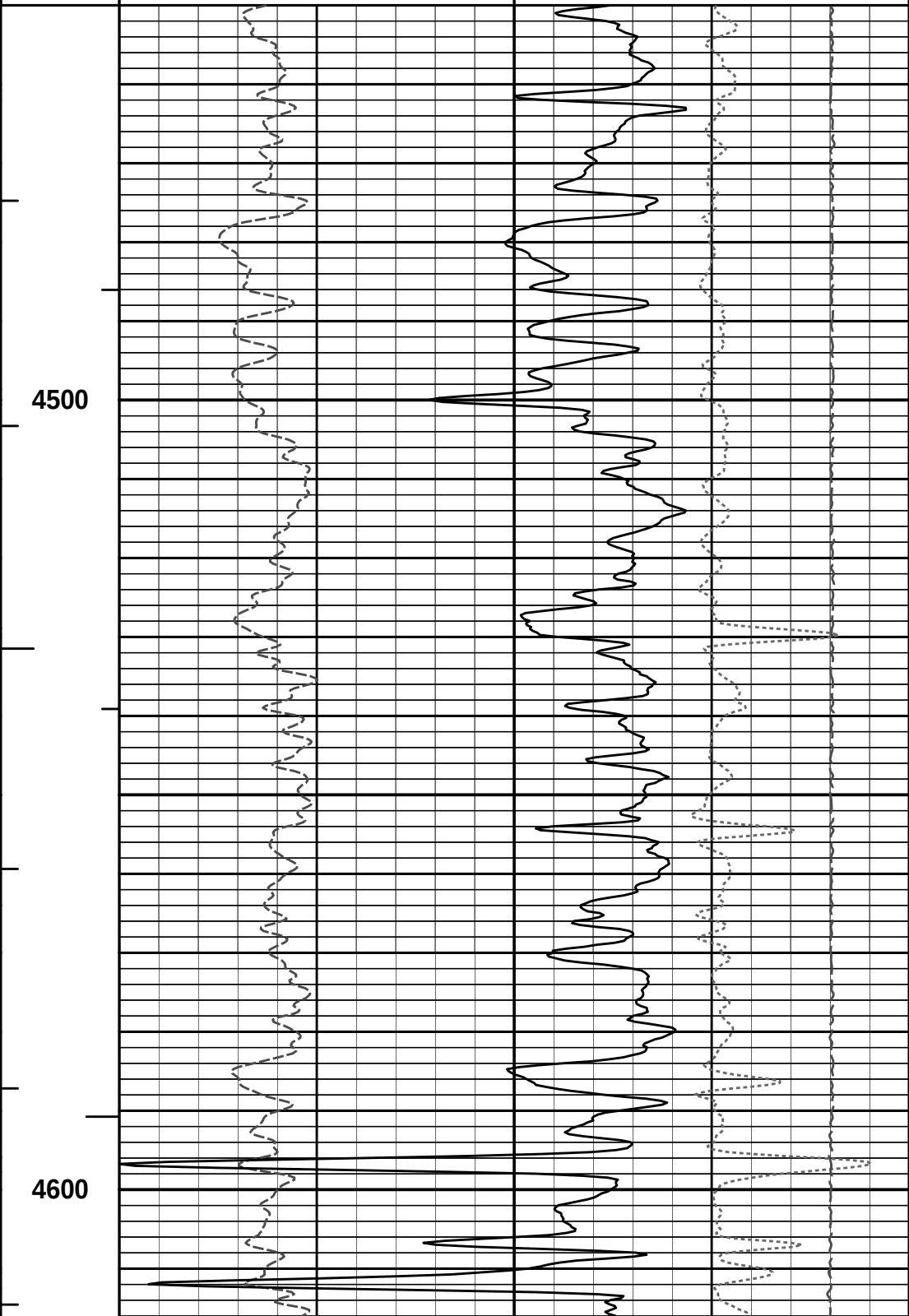
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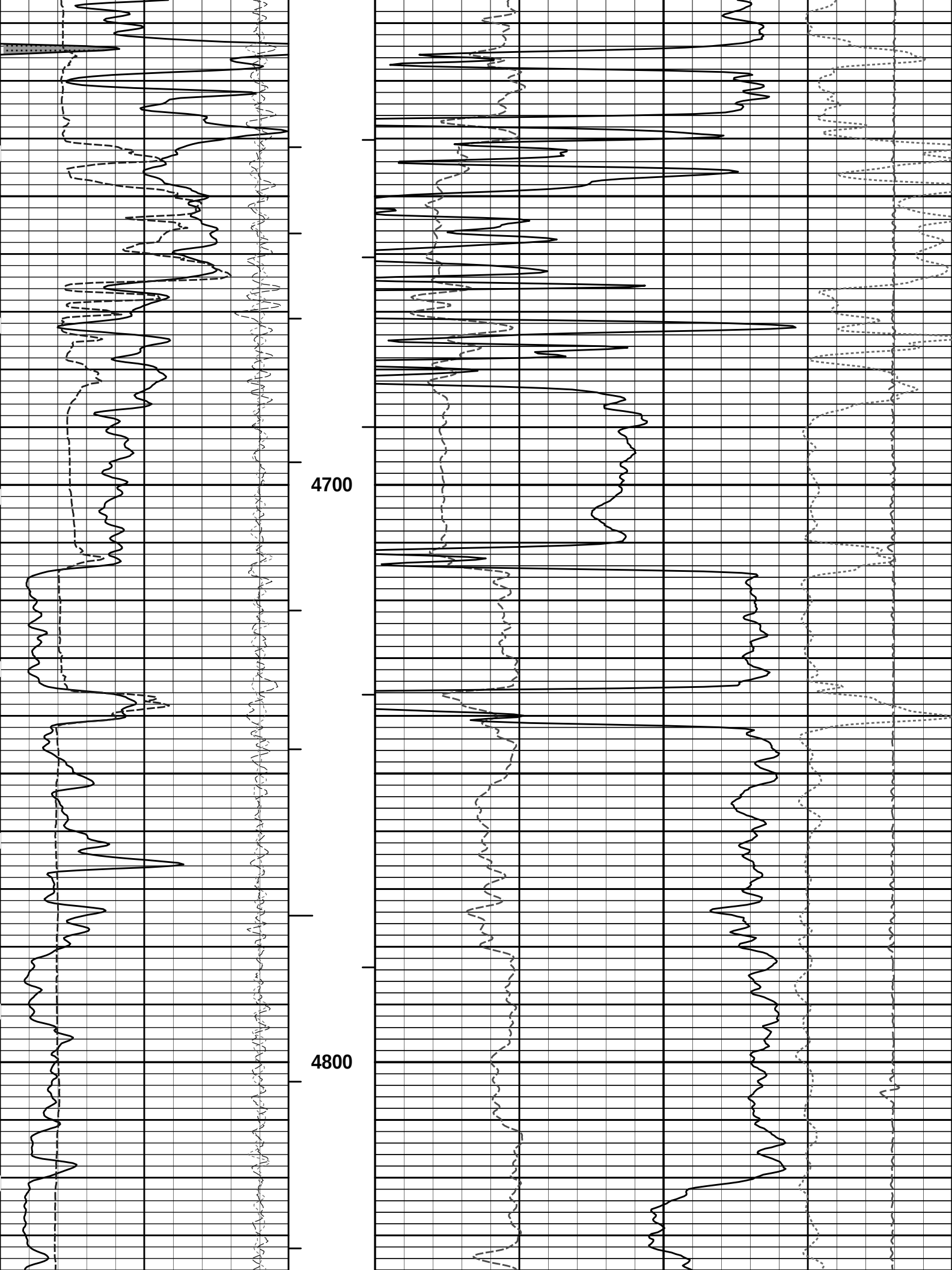
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Plot File: \\-LOCAL-(GARDEN_CITY_V-5Well Based\POROSITY\BULKD_5_REP_LIB

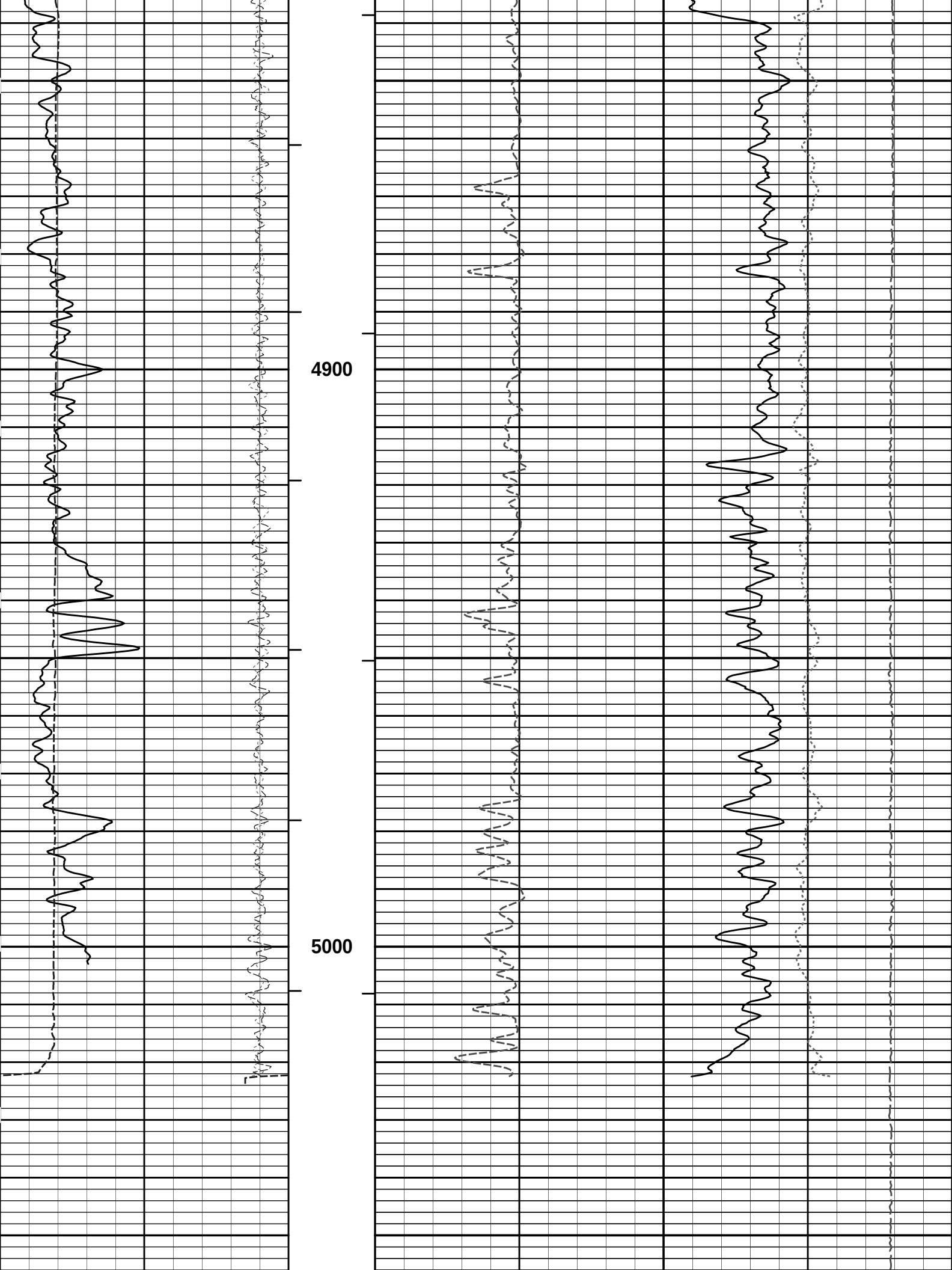
REPEAT SECTION

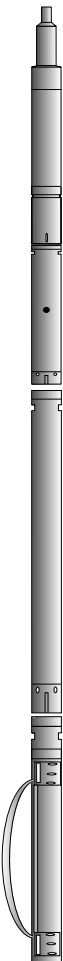
SHALE		
0	Gamma Ray	150
api		
18	FarQuality	-2
NearQuality		
-18		2
6	Caliper	16
inches		

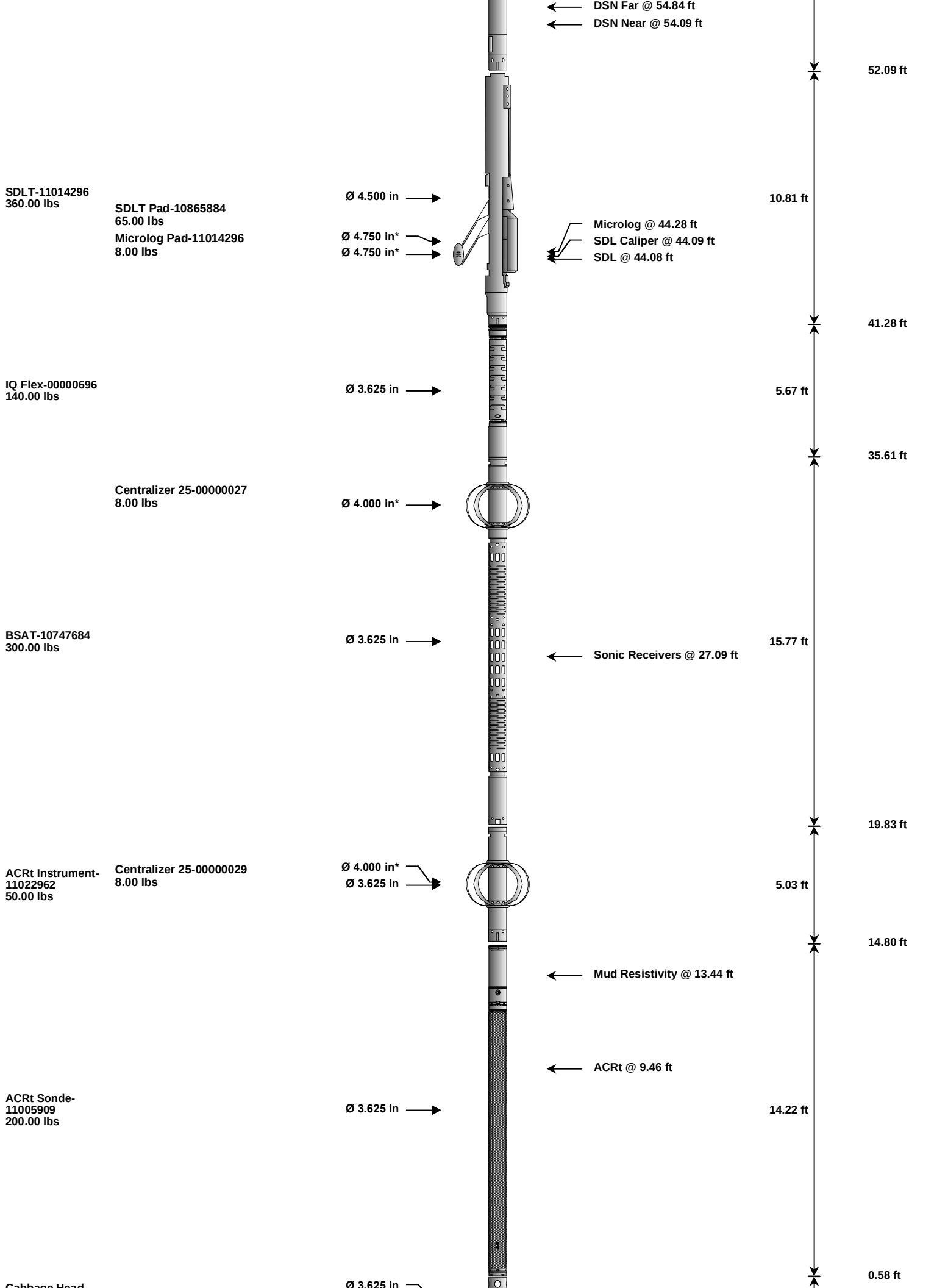
BH ft3	Bulk Density		3
	g/cc		
	15K		Tension
			pounds
AHV ft3			
MD 1 : 240 ft	Pe		
	0	10	-0.25
		DensityCorr	
		g/cc	
		0.25	







Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length	
						80.28 ft	
RWCH-12156658 135.00 lbs		Ø 3.625 in →		← Load Cell @ 76.60 ft ← BH Temperature @ 76.03 ft	6.25 ft		
SP Sub-00000029 60.00 lbs		Ø 3.625 in →		← SP @ 72.26 ft	3.74 ft	74.03 ft	
							70.30 ft
GTET-11021139 165.00 lbs		Ø 3.625 in →		← GammaRay @ 64.23 ft	8.52 ft		
						61.78 ft	
DSNT-11055304 174.00 lbs	DSN Decentralizer-11005605 6.60 lbs	Ø 5.000 in* → Ø 3.625 in →			9.69 ft		



Cabbage Head 00000030 10.00 lbs		Ø 6.000 in →		0.58 ft ↓	0.00 ft	
Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
RWCH	Releasable Wireline Cable Head	12156658	135.00	6.25	74.03	300.00
SP	SP Sub	00000029	60.00	3.74	70.30	300.00
GTET	Gamma Telemetry Tool	11021139	165.00	8.52	61.78	60.00
DSNT	Dual Spaced Neutron	11055304	174.00	9.69	52.09	60.00
DCNT	DSN Decentralizer	11005605	6.60	5.13	*	55.42 300.00
SDLT	Spectral Density Tool	11014296	360.00	10.81	41.28	60.00
MICP	Microlog Pad	11014296	8.00	1.00	*	43.78 60.00
SDLP	Density Insite Pad	10865884	65.00	2.55	*	43.49 60.00
IQF	IQ Flex tool	00000696	140.00	5.67	35.61	300.00
BSAT	Borehole Sonic Array Tool	10747684	300.00	15.77	19.83	60.00
OBCEN	Centralizer - 25 in. Overbody	00000027	8.00	2.08	*	32.52 300.00
ACRt	Array Compensated True Resistivity Instrument Section	11022962	50.00	5.03	14.80	300.00
OBCEN	Centralizer - 25 in. Overbody	00000029	8.00	2.08	*	16.30 300.00
ACRt	Array Compensated True Resistivity Sonde Section	11005909	200.00	14.22	0.58	300.00
CBHD	Cabbage Head	00000030	10.00	0.58	0.00	300.00
Total			1,689.60	80.28		
* Not included in Total Length and Length Accumulation.						
Data: GARDEN_CITY_V-510001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-CH DLE					Date: 22-Nov-13 21:49:49	

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	9.100	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	1.000	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	5089.00	ft
	SHARED	BHT	Bottom Hole Temperature	135.0	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 /				

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	
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
BSAT	MBOK	Compute BCAS Results?	Yes	
BSAT	FLLO	Frequency Filter Low Pass Value?	5000	Hz
BSAT	FLHI	Frequency Filter High Pass Value?	27000	Hz
BSAT	DTFL	Delta -T Fluid	189.00	uspf
BSAT	DTMT	Delta -T Matrix Type	User define	
BSAT	DTMA	Delta -T Matrix	47.60	uspf
BSAT	DTSH	Delta -T Shale	100.00	uspf
BSAT	SPEQ	Acoustic Porosity Equation	Wylie	
ACRt Sonde	RTOK	Process ACRt?	Yes	
ACRt Sonde	MNSO	Minimum Tool Standoff	1.50	in
ACRt Sonde	TCS1	Temperature Correction Source	FP Lwr & FP Up	
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: GARDEN_CITY_V-5\0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-CHI007.01 23-Nov-13 06:10 Up			Date: 23-Nov-13 06:31:28	

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name: GTET - 11021139Reference Calibration Date: 01-Jan-70 00:00:00

Engineer: SHELTON INGERSOLL

Software Version: WL INSITE R3.8.4 (Build 5)

Calibration Date: 16-Nov-13 17:40:06

Calibration Version: 1

Calibrator Source S/N: TB146

Calibrator API Reference:265.00 api

Equivalent Calibrator API Reference:269.6 api

Measurement	Measured	Calibrated	Units
Background	47.8	47.8	api
Background + Calibrator	317.5	317.5	api
Calibrator	269.6	269.6	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name: GTET - 11021139

Engineer: SHELTON INGERSOLL

Software Version: WL INSITE R3.8.4 (Build 5)

Reference Calibration Date: 16-Nov-13 17:40:06

Calibration Date: 22-Nov-13 18:36:29

Calibration Version: 1

Calibrator Source S/N: TB146

Calibrator API Reference:265.00 api

Equivalent Calibrator API Reference:269.6 api

Field Verification	Shop	Field	Units
Background	47.8	51.8	api
Background + Calibrator	317.5	319.2	api
Calibrator	269.6	267.4	api

Shop	Field	Difference	Tolerance
269.6	267.4	2.2	+/- 9.00

DUAL SPACED NEUTRON SHOP CALIBRATION

Tool Name: DSNT - 11055304

Engineer: SHELTON INGERSOLL

Software Version: WL INSITE R3.8.4 (Build 5)

Reference Calibration Date: 19-Nov-13 15:04:23

Calibration Date: 19-Nov-13 15:17:39

Calibration Version: 1

Logging Source S/N: 696

Tank Serial Number: LIBERAL_NEUTRON

Reference value assigned to Tank: 51.680

Snow Block S/N: 696

Calibration Tank Water Temperature: 68 degF

Min. Tool Housing Outside Diameter: 3.625 in

CALIBRATION CONSTANTS			
Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	0.987	0.989	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):	0.2105	0.2110	0.0005	+/- 0.0020
Calibrated Ratio:	9.71	9.73	0.017	+/- 0.050

VERIFIER		
Measurement	Value	Control Limit
Snow-Block Porosity (decp):	0.0675	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 - 11055304		Reference Calibration Date:	19-Nov-13 15:17:39
Engineer:	SHELDON INGERSOLL		Calibration Date:	22-Nov-13 18:46:23
Software Version:	WL INSITE R3.8.4 (Build 5)		Calibration Version:	1
Logging Source S/N: 696				
Snow Block S/N: 696				
NEUTRON FIELD-CHECK SUMMARY				
	Shop	Field	Difference	Control Limit On Change
Snow-Block Porosity (decp):	0.0675	0.0744	0.0068	+/- 0.0150
PASS/FAIL SUMMARY				
Block Change Check:		Passed		
Snow Block Stat Check:		Passed		
Temperature Check:		Passed		
DENSITY CALIPER SHOP CALIBRATION				
Tool Name:	SDLT - 11014296		Reference Calibration Date:	19-Sep-13 09:10:42
Engineer:	SHELDON INGERSOLL		Calibration Date:	19-Nov-13 13:55:03
Software Version:	WL INSITE R3.8.4 (Build 5)		Calibration Version:	1
Host Tool Name:	DSNT - 11055304			
CALIBRATION COEFFICIENTS				
Measurement	Previous Value	New Value	Control Limit On New Value	
Pad Offset	-4038.27	-4114.71	-7000.00 - -1000.00	
Pad Gain	0.0003784	0.0003832	0.000200 - 0.000600	
Arm Offset	-2841.83	-2593.84	-5000.00 - 3000.00	
Arm Gain	0.0005152	0.0005041	0.000300 - 0.000700	
Arm Power	-0.000004712	-0.000004571	-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)	3.73	3.75	0.02	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.45	6.50	0.05	+/- 0.20
Medium Ring (in)	8.24	8.25	0.01	+/- 0.20
Large Ring (in)	15.12	15.00	-0.12	+/- 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				

SDLT CALIPER FIELD CALIBRATION																								
Tool Name:	SDLT - 11014296		Reference Calibration Date:	19-Nov-13 13:55:03																				
Engineer:	SHELDON INGERSOLL		Calibration Date:	22-Nov-13 18:48:44																				
Software Version:	WL INSITE R3.8.4 (Build 5)		Calibration Version:	1																				
<table><tr><th colspan="5">MEASURED CALIPER VALUES</th></tr><tr><th>Measurement</th><th>Shop</th><th>Field</th><th>Change</th><th>Control Limit On New Value</th></tr><tr><td>Pad Extension</td><td>3.75</td><td>3.74</td><td>-0.01</td><td>+/- 0.10</td></tr><tr><td>Ring Diameter</td><td>8.25</td><td>8.29</td><td>0.04</td><td>+/- 0.15</td></tr></table>					MEASURED CALIPER VALUES					Measurement	Shop	Field	Change	Control Limit On New Value	Pad Extension	3.75	3.74	-0.01	+/- 0.10	Ring Diameter	8.25	8.29	0.04	+/- 0.15
MEASURED CALIPER VALUES																								
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Pad Extension	3.75	3.74	-0.01	+/- 0.10																				
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SPECTRAL DENSITY SHOP CALIBRATION																																																																																																																				
Tool Name:	SDLT Pad - 10865884		Reference Calibration Date:	19-Sep-13 08:18:40																																																																																																																
Engineer:	SHELDON INGERSOLL		Calibration Date:	19-Nov-13 11:40:39																																																																																																																
Software Version:	WL INSITE R3.8.4 (Build 5)		Calibration Version:	1																																																																																																																
Logging Source S/N: 5168GW																																																																																																																				
Aluminum Block S/N: LIBERAL		Density: 2.598g/cc	Pe: 3.170																																																																																																																	
Magnesium Block S/N: LIBERAL		Density: 1.684g/cc	Pe: 2.598																																																																																																																	
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Measurement	TOOL SUMMARY			
	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	-0.0009	+/- 0.0110	-0.0009	+/- 0.0140
Magnesium Block	-0.0002	+/- 0.0110	-0.0014	+/- 0.0140
Aluminum Block	-0.0000	+/- 0.0110	-0.0000	+/- 0.0140
Resolution	9.11	6.00 - 11.50	8.86	6.00 - 11.50
Internal Verifier(B+D+P+L)	1349	1200 - 2700	861	800 - 1700

SPECTRAL DENSITY FIELD CHECK			
Tool Name:	SDLT Pad - 10865884	Reference Calibration Date:	19-Nov-13 11:40:39
Engineer:	SHELDON INGERSOLL	Calibration Date:	22-Nov-13 18:38:08
Software Version:	WL INSITE R3.8.4 (Build 5)	Calibration Version:	1

Density Field Calibration Summary				
Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1349.007	1351.543	2.536	14.851
Far (B+D+P+L) cps	861.455	864.917	3.462	16.069
Near Resolution	9.11	9.18	0.070	0.50
Far Resolution	8.86	9.00	0.140	1.00

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11021139						
Gamma Ray Calibrator	269.6	267.4	-----	2.2	+/- 9.00	api
DSNT 11055204						

Snow-Block Porosity	0.0675	0.0744	-----	-0.0069	+/- 0.0150	decp
SDLT-11014296						
Pad Extension	3.75	3.74	-----	0.01	+/-0.10	in
Ring Diameter	8.25	8.29	-----	-0.04	+/-0.15	in
SDLT Pad-10865884						
Near(B+D+P+L)	1349.007	1351.543	-----	-2.536	+/-14.851	cps
Far(B+D+P+L)	861.455	864.917	-----	-3.462	+/-16.069	cps
Data: GARDEN CITY V-500001 SP-GTET-DSN-SDI-FLEX-BSAT-ACRT-CH1007 23-Nov-13 04:17 Un @5063.3f Date: 23-Nov-13 05:21:45						
HALLIBURTON INPUTS, DELAYS AND FILTERS TABLE						
Mnemonic	Input Description			Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel						
TENS	Tension			0.00	NO	
RWCH						
DHTN	DownholeTension			0.00	BLK	0.000
SP Sub						
PLTC	Plot Control Mask			72.25	NO	
SP	Spontaneous Potential			72.25	BLK	1.250
SPR	Raw Spontaneous Potential			72.25	NO	
SPO	Spontaneous Potential Offset			72.25	NO	
GTET						
TPUL	Tension Pull			64.23	NO	
GR	Natural Gamma Ray API			64.23	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API			64.23	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution			64.23	W	1.416 , 0.750
ACCZ	Accelerometer Z			0.00	BLK	0.083
DEVI	Inclination			0.00	NO	
DSNT						
TPUL	Tension Pull			53.99	NO	
RNDS	Near Detector Telemetry Counts			54.09	BLK	1.417
RFDS	Far Detector Telemetry Counts			54.84	TRI	0.583
DNTT	DSN Tool Temperature			54.09	NO	
DSNS	DSN Tool Status			53.99	NO	
ERND	Near Detector Telemetry Counts EVR			54.09	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR			54.84	BLK	0.000
ENTM	DSN Tool Temperature EVR			54.09	NO	
SDLT						
TPUL	Tension Pull			44.09	NO	
PCAL	Pad Caliper			44.09	TRI	0.250
ACAL	Arm Caliper			44.09	TRI	0.250
BSAT						
TPUL	Tension Pull			27.09	NO	
STAT	Status			27.09	NO	
DLYT	Delay Time			27.09	NO	
SI	Sample Interval			27.09	NO	
TXRX	Raw Telemetry 10 Receivers			27.09	NO	
FRMC	Tool Frame Count			27.09	NO	

GMOD	Gain processing mode	19.83	NO	
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 Current Raw 12K X Receiver	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	

Microlog Pad				
TPUL	Tension Pull	44.28	NO	
MINV	Microlog Lateral	44.28	BLK	0.750
MNOR	Microlog Normal	44.28	BLK	0.750
SDLT Pad				
TPUL	Tension Pull	44.08	NO	
NAB	Near Above	43.90	BLK	0.920
NHI	Near Cesium High	43.90	BLK	0.920
NLO	Near Cesium Low	43.90	BLK	0.920
NVA	Near Valley	43.90	BLK	0.920
NBA	Near Barite	43.90	BLK	0.920
NDE	Near Density	43.90	BLK	0.920
NPK	Near Peak	43.90	BLK	0.920
NLI	Near Lithology	43.90	BLK	0.920
NBAU	Near Barite Unfiltered	43.90	BLK	0.250
NLIU	Near Lithology Unfiltered	43.90	BLK	0.250
FAB	Far Above	44.26	BLK	0.250
FHI	Far Cesium High	44.26	BLK	0.250
FLO	Far Cesium Low	44.26	BLK	0.250
FVA	Far Valley	44.26	BLK	0.250
FBA	Far Barite	44.26	BLK	0.250
FDE	Far Density	44.26	BLK	0.250
FPK	Far Peak	44.26	BLK	0.250
FLI	Far Lithology	44.26	BLK	0.250
PTMP	Pad Temperature	44.09	BLK	0.920
NHV	Near Detector High Voltage	43.49	NO	
FHV	Far Detector High Voltage	43.49	NO	
ITMP	Instrument Temperature	43.49	NO	
DDHV	Detector High Voltage	43.49	NO	
Data: GARDEN_CITY_V-5I0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-CHi007 23-Nov-13 04:17 Up @5063.3f			Date: 23-Nov-13 05:20:13	

COMPANY	OXY USA INC.		
WELL	GARDEN CITY V-5		
FIELD	SEQUOYAH SOUTH		
COUNTY	FINNEY	STATE	KANSAS
HALLIBURTON		SPECTRAL DENSITY DUAL SPACED NEUTRON LOG	