

HALLIBURTON

SPECTRAL DENSITY DUAL SPACED NEUTRON MICROLOG

COMPANY				EOG RESOURCES					
WELL				CYNTHIA 35 #1					
FIELD				HUGOTON FIELD					
COUNTY				STEVENS					
STATE				KANSAS					
Permanent Datum Log measured from Drilling measured from				GL KB KB	Elev. 3183.0 ft 12.0 ft above perm. Datum			Elev.: K.B. D.F. G.L.	3195.0 ft 3194.0 ft 3183.0 ft
Date	10-Dec-07 20:03								
Run No.	ONE								
Depth - Driller	6180.0 ft								
Depth - Logger	6178.0 ft								
Bottom - Logged Interval	6170								
Top - Logged Interval	3100								
Casing - Driller	8.625 in @ 1673.0 ft			@					@
Casing - Logger	1669.0 ft								
Bit Size	7.875 in			@					@
Type Fluid in Hole	WATER BASED MUD								
Density	Viscosity	9.2 ppg		45.00	s/qt				
PH	Fluid Loss	9.60 pH		7.4	qpm				
Source of Sample				MUD PIT					
Rm @ Meas. Temperature	1.10 ohmm @ 68.00 degF			@					@
Rmf @ Meas. Temperature	1.20 ohmm @ 75.00 degF			@					@
Rmc @ Meas. Temperature	0.90 ohmm @ 75.00 degF			@					@
Source Rmf	Rmc	CHART		CHART					
Rm @ BHT	0.59 ohmm @ 132.0 degF			@					@
Time Since Circulation				5.0 hr					
Time on Bottom				10-Dec-07 21:09					
Max. Rec. Temperature	132.0 degF @ 6178.0 ft			@					@
Equipment	Location	10549590		PV OK					
Recorded By	STONE								
Witnessed By	MR. SHULTZ								

COMPANY EOG RESOURCES

WELL CYNTHIA 35 #1

FIELD HUGOTON FIELD

COUNTY STEVENS

STATE KANSAS

API No. 15189226230000

Location LAT: 37.18 N & LONG: 101.31 W
660' FNL & 330' FEL

Other Services:
ISAT
ACRT

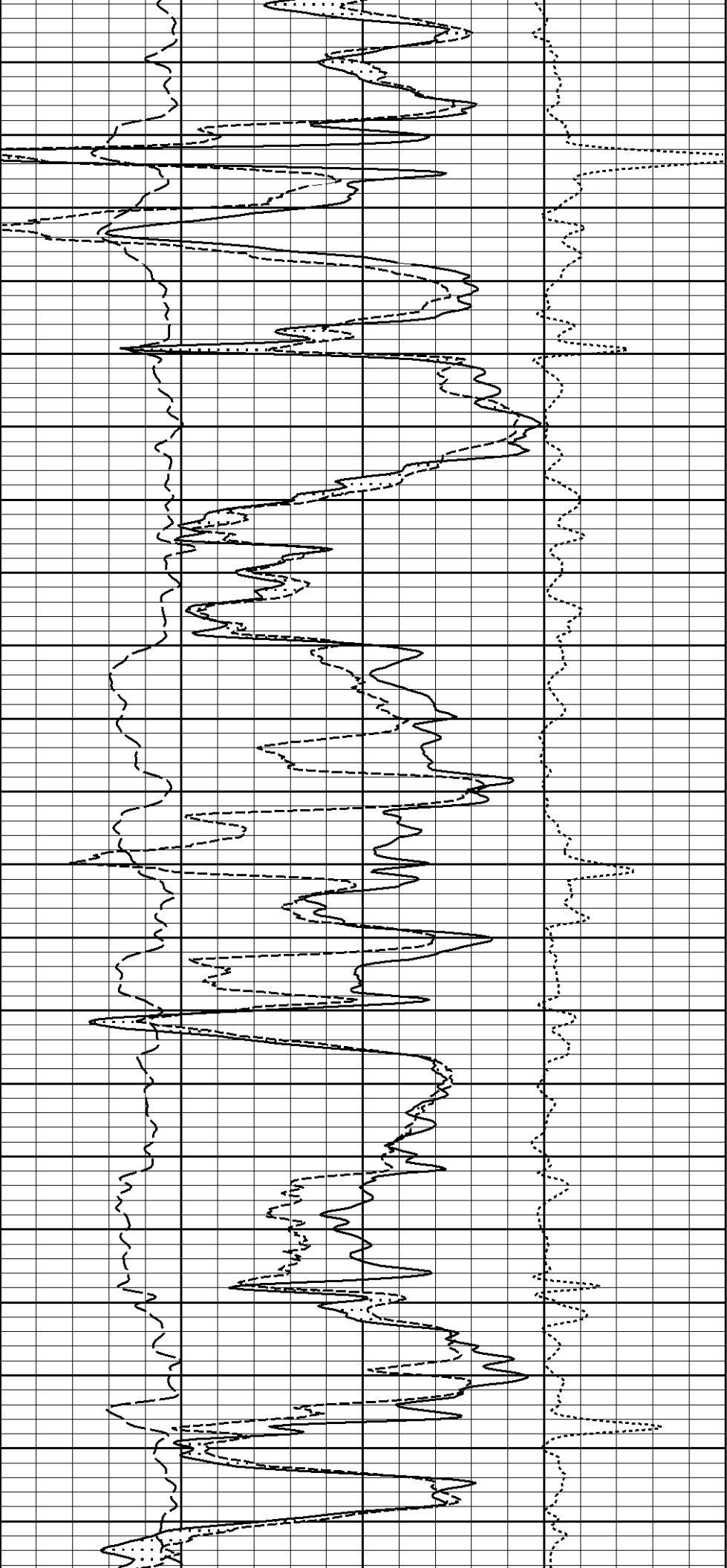
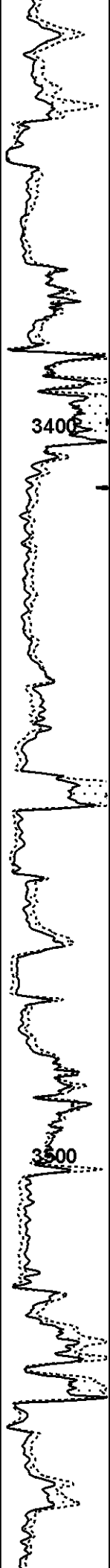
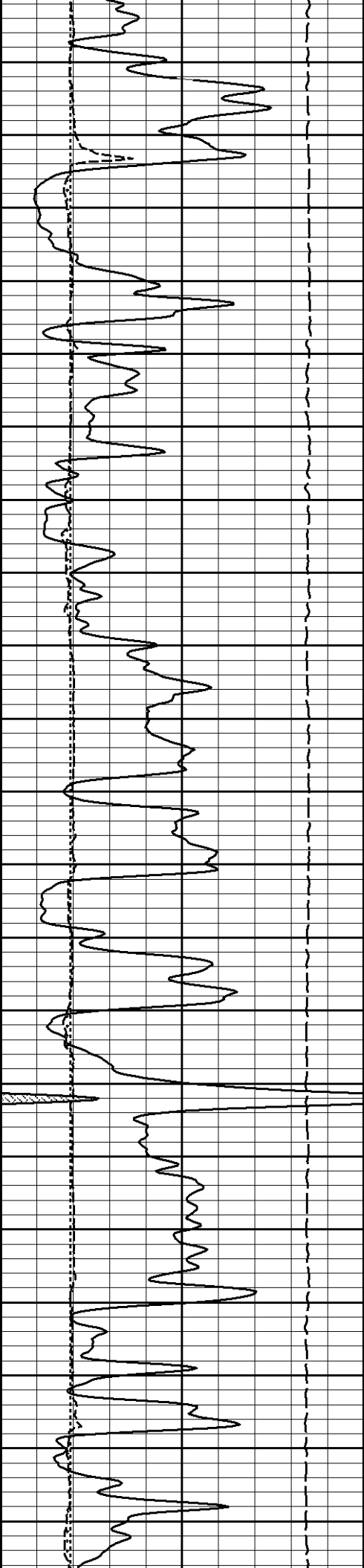
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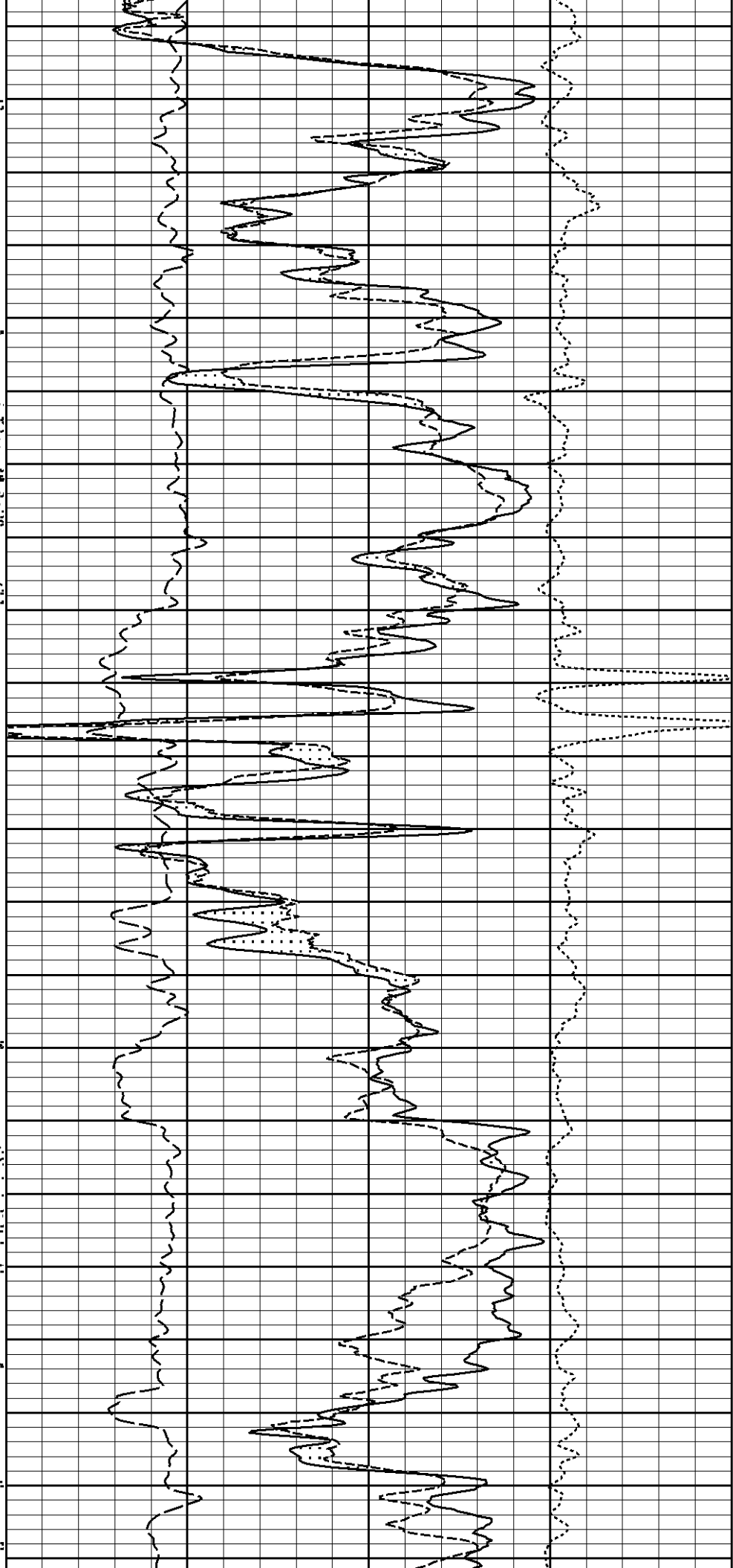
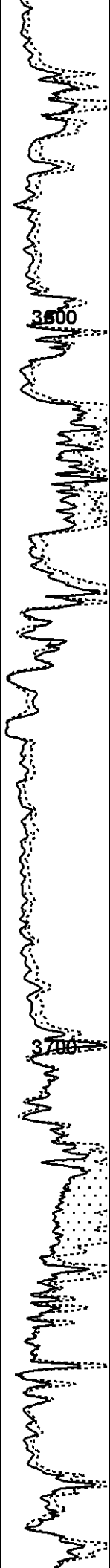
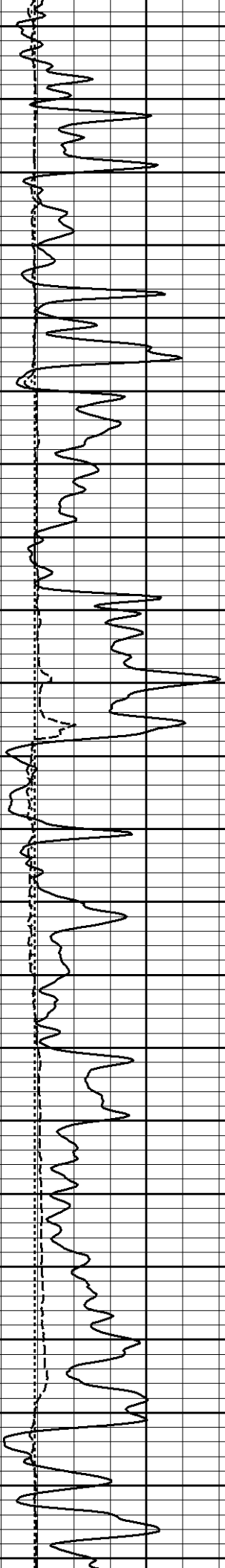
Service Ticket No.: 5532215						API Serial No.: 15189226230000						PGM Version: WL INSITE R2.0 (Build 19)											
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE												RESISTIVITY SCALE CHANGES											
Date		Sample No.										Type Log		Depth		Scale Up Hole				Scale Down Hole			
Depth-Driller																							
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- 4562		N/A		1.5" S.O.		N/A			
Rmc @ Meas. Temp.				@				@															
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.		11005603				Serial No.		P001				Serial No.		I42M02P76				Serial No.		11019642			
Model No.		GTET				Model No.		ISAT				Model No.		SDLT				Model No.		DSNT			
Diameter		3.625				No. of Cent.		2				Diameter		4.5				Diameter		3.625			
Detector Model No.		A102				Spacing		0.5				Log Type		GAM-GAM				Log Type		DSN-DSN			
Type		SCINTILLATION										Source Type		Cs-137				Source Type		Am241Be			
Length		8"				LSA [Y/N]		Y				Serial No.		24520B				Serial No.		DSN-381			
Distance to Source		10.25'				FWDA [Y/N]		Y				Strength		1.5 Ci				Strength		15 Ci			

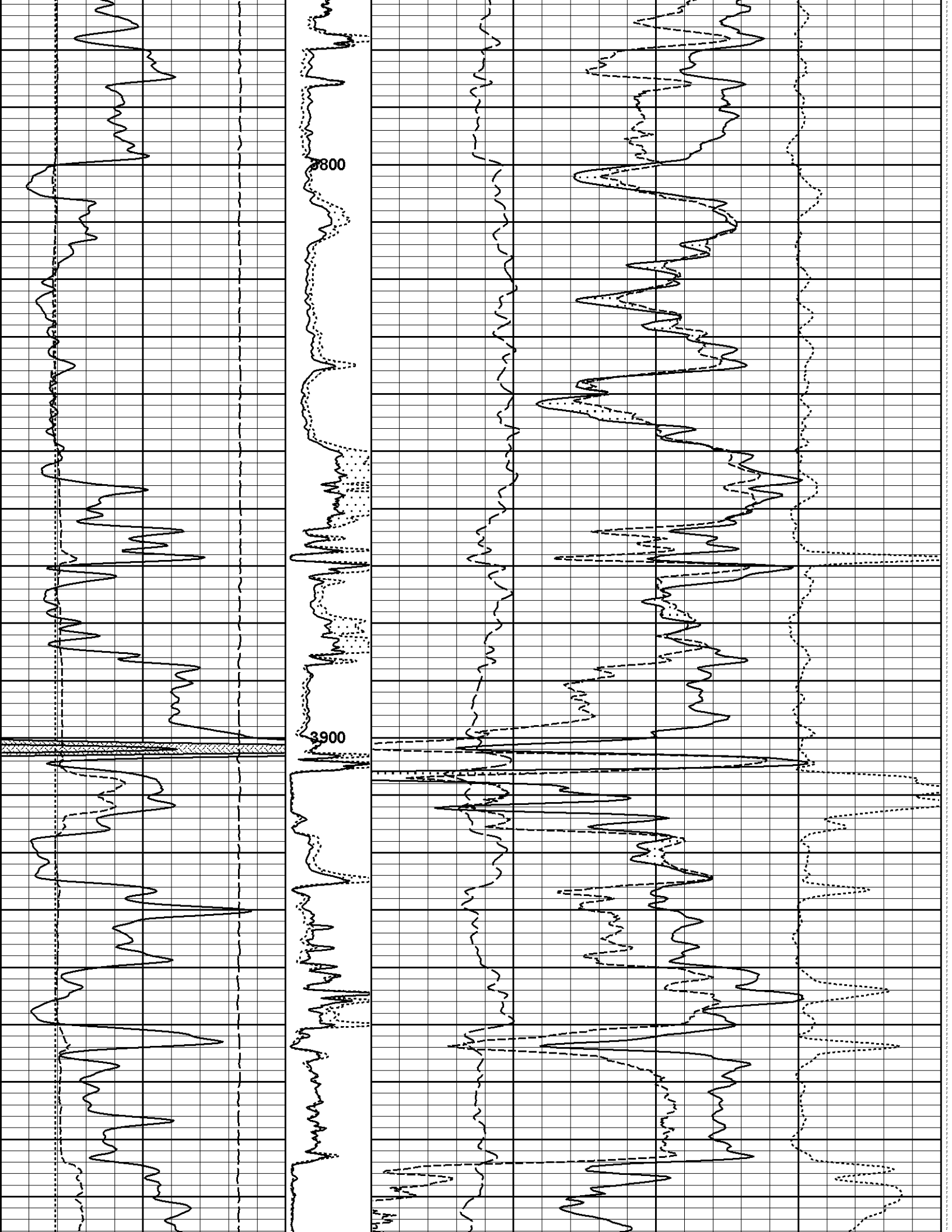
LOGGING DATA														
GENERAL				GAMMA		ACOUSTIC			DENSITY			NEUTRON		
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R		L	R	
ONE	TD	CSG	REC	0	150	30	-10		47.6	30		-10	LIME	
									2	3	2.71			
DIRECTIONAL INFORMATION														
Maximum Deviation @									KOP @					
Remarks:														
ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH AND 4.5 INCH CASING														
CHLORIDES 800 ppm														
DENSITY AND DRHO AFFECTED BY BOREHOLE CONDITIONS.														
CREW: F. OLGUIN, M. PRINCE														
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.														
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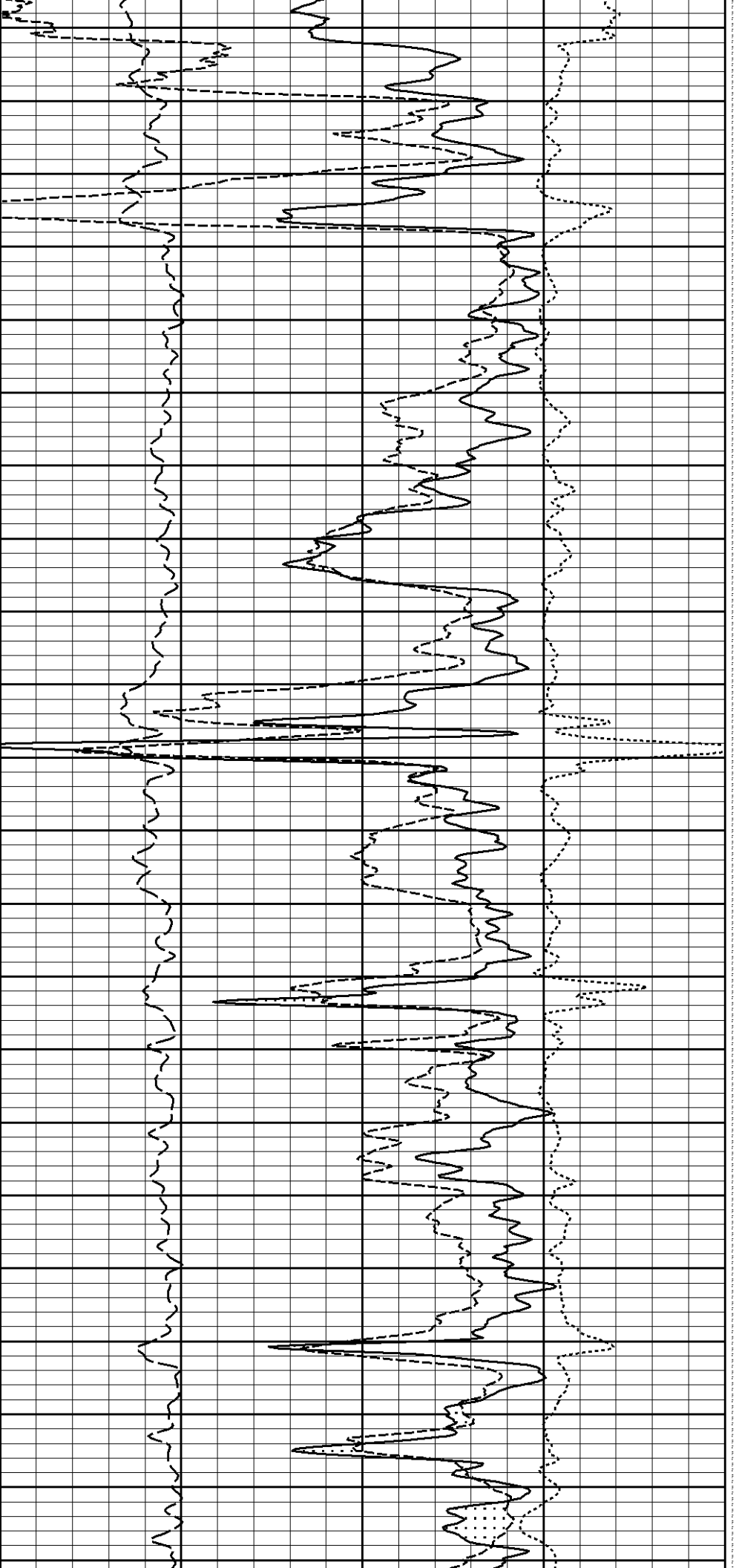
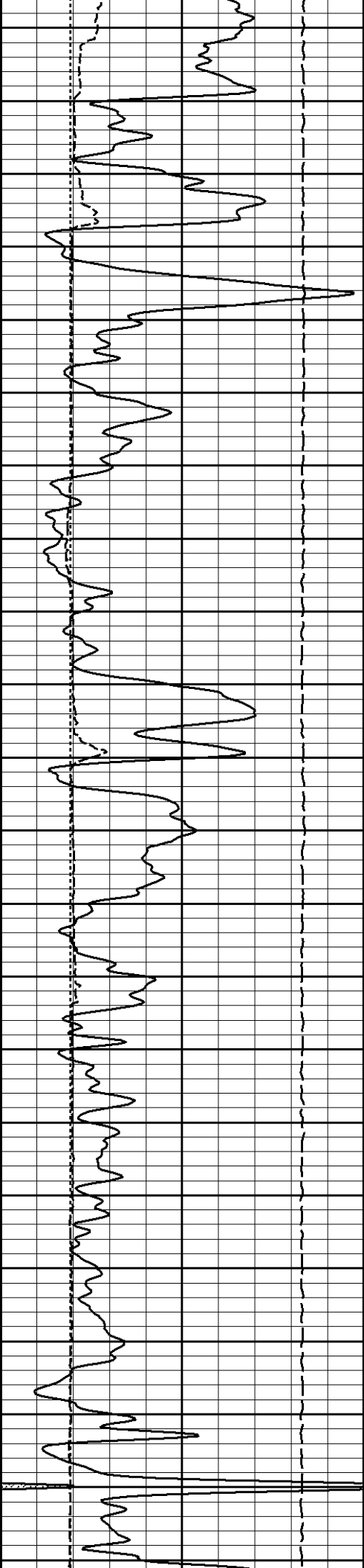
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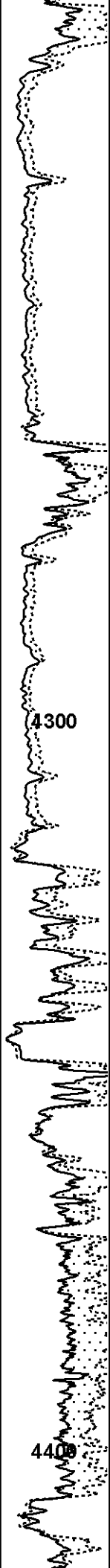
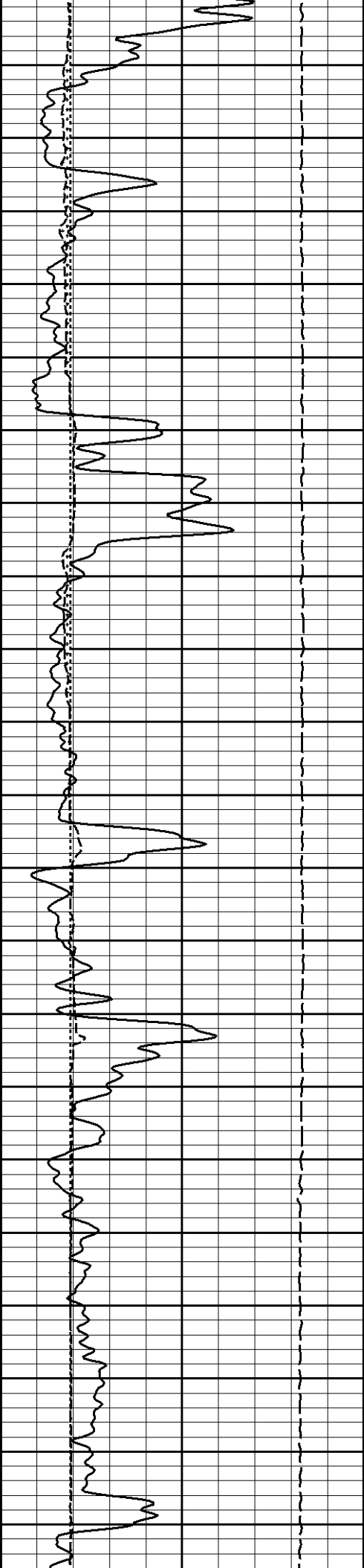






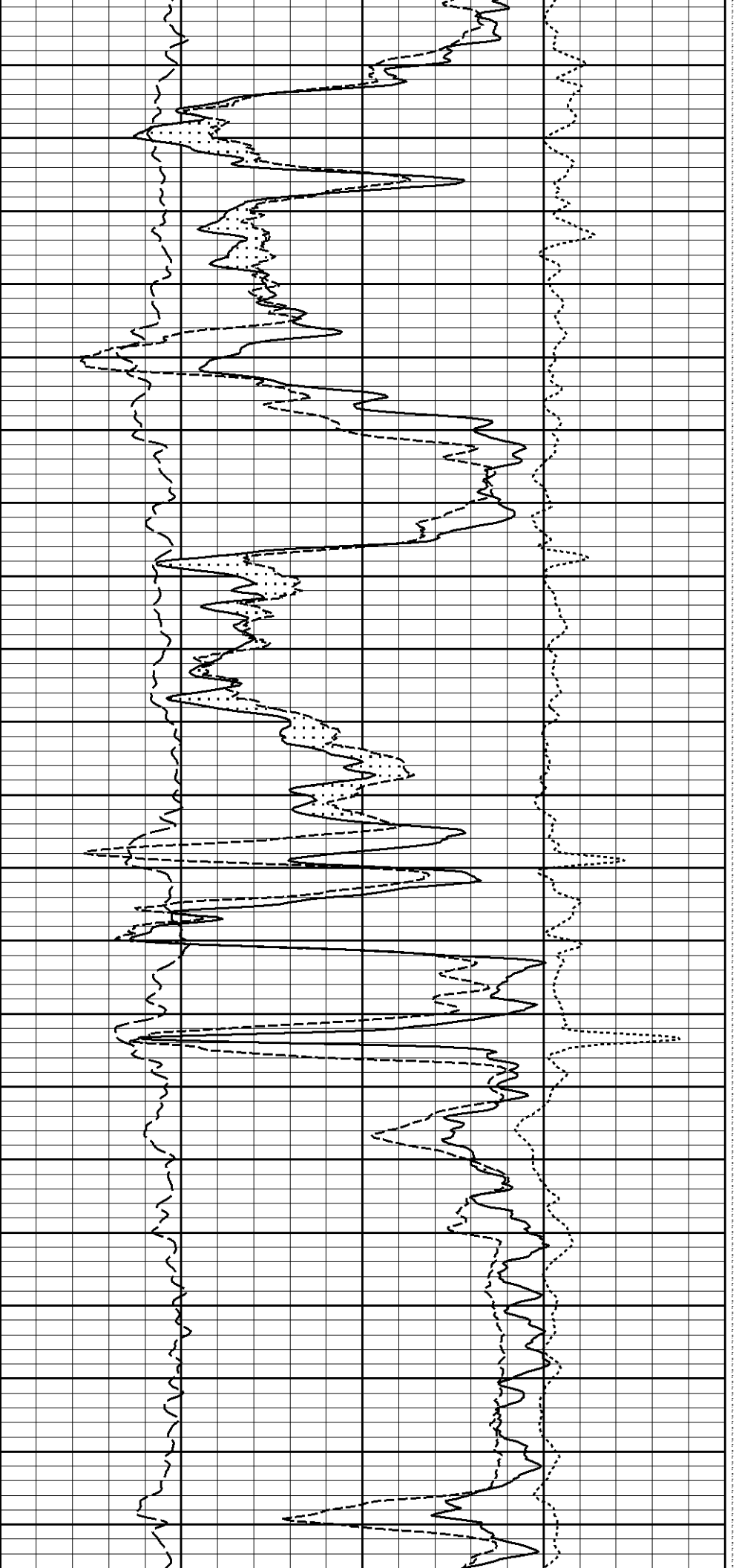


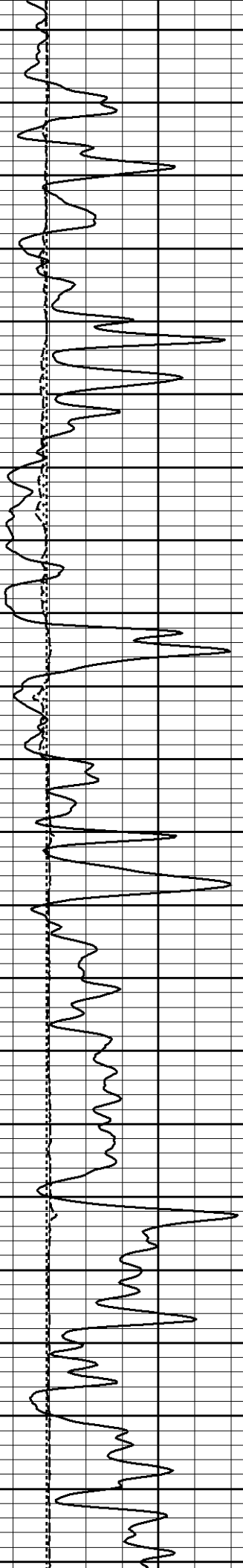
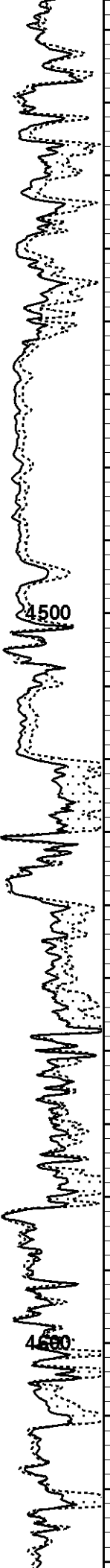
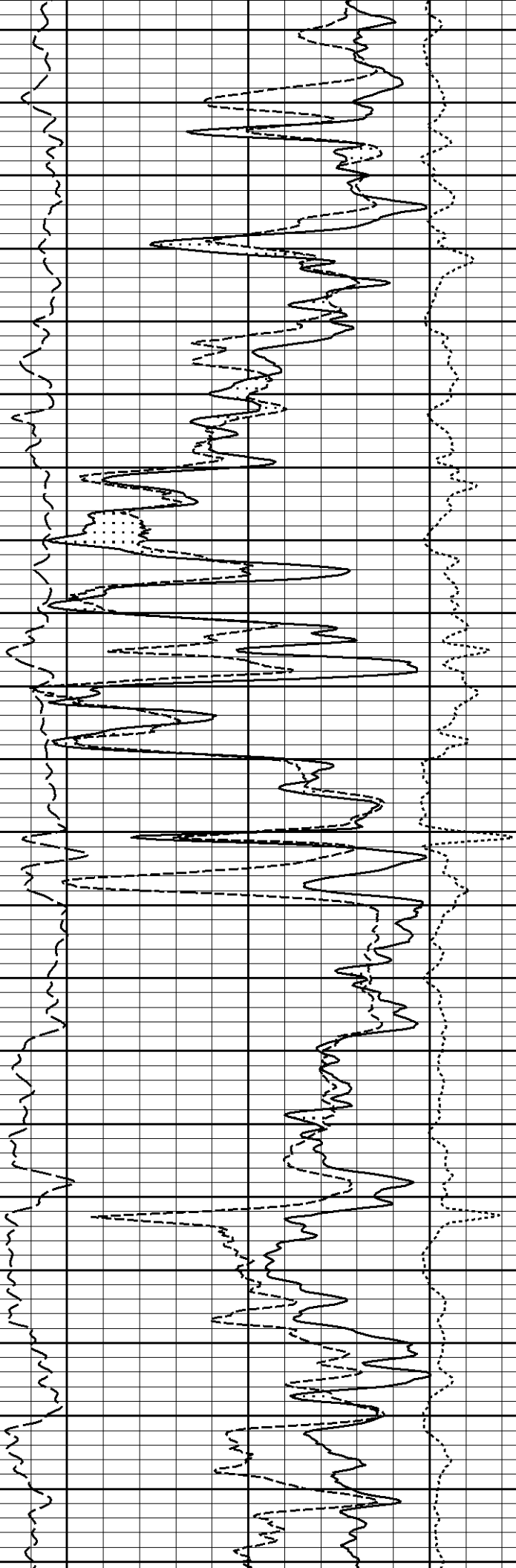


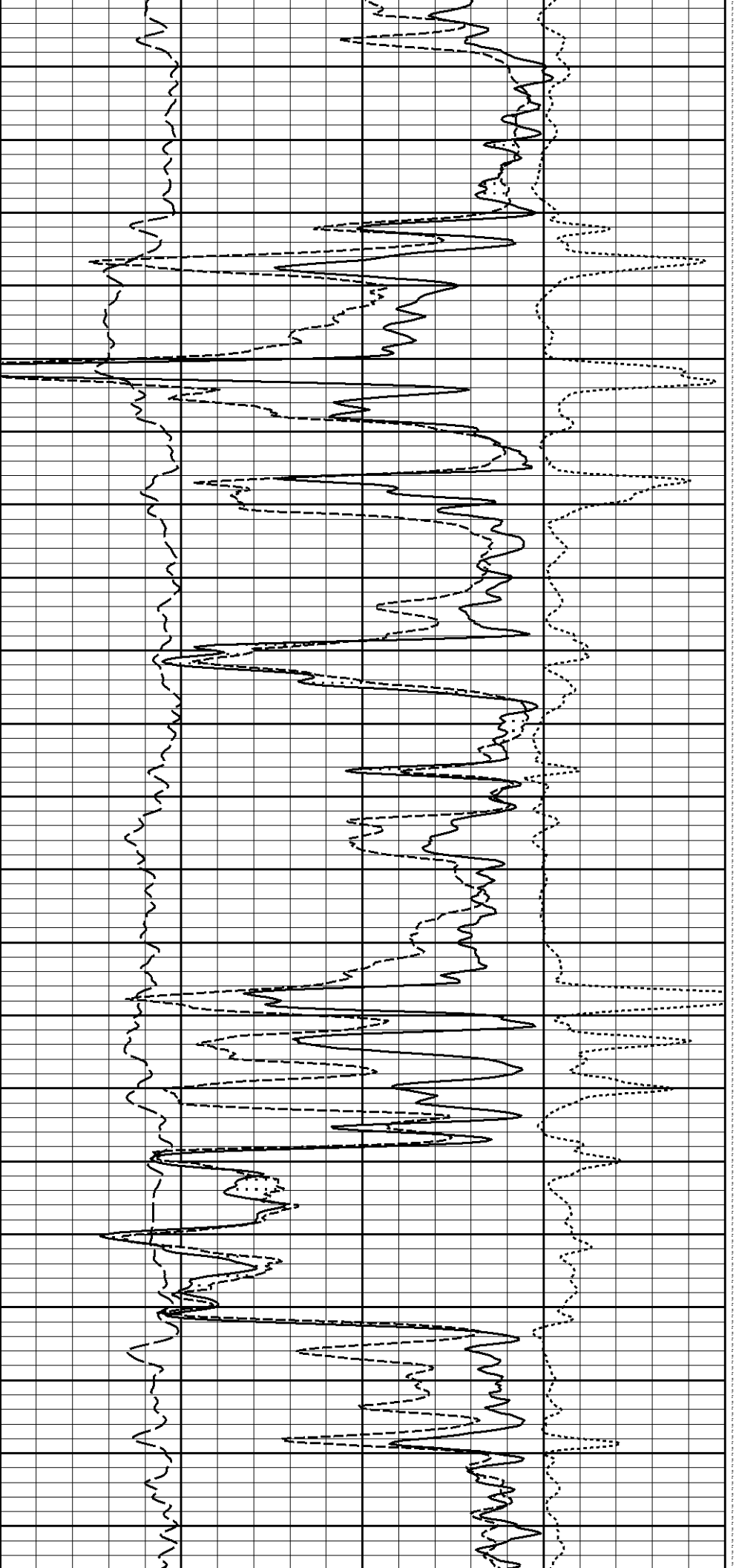


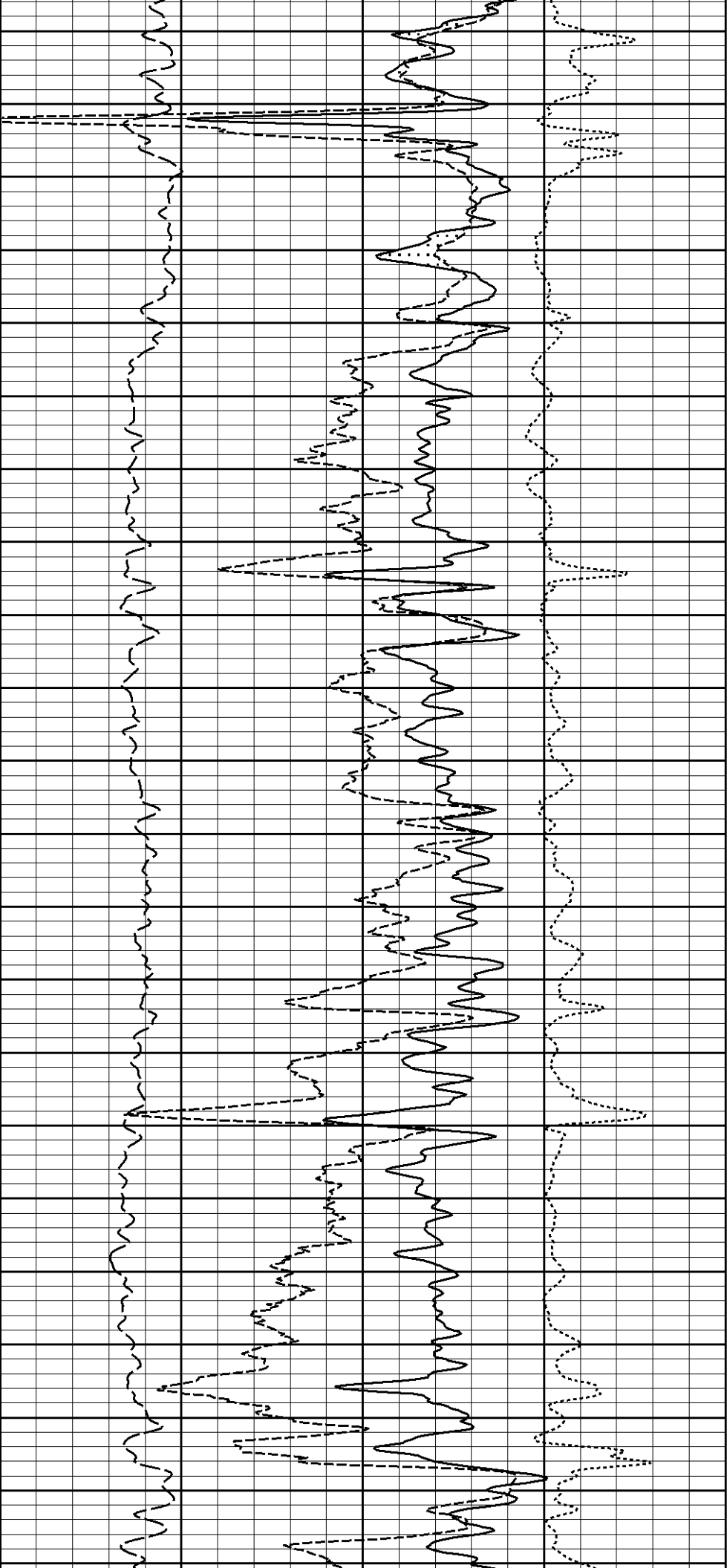
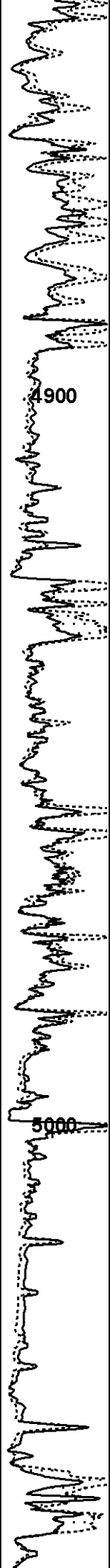
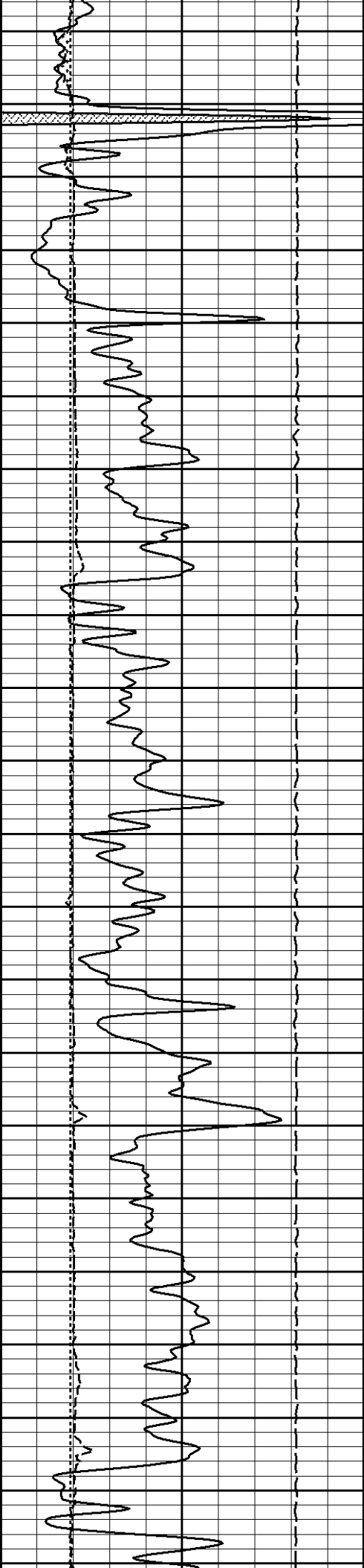
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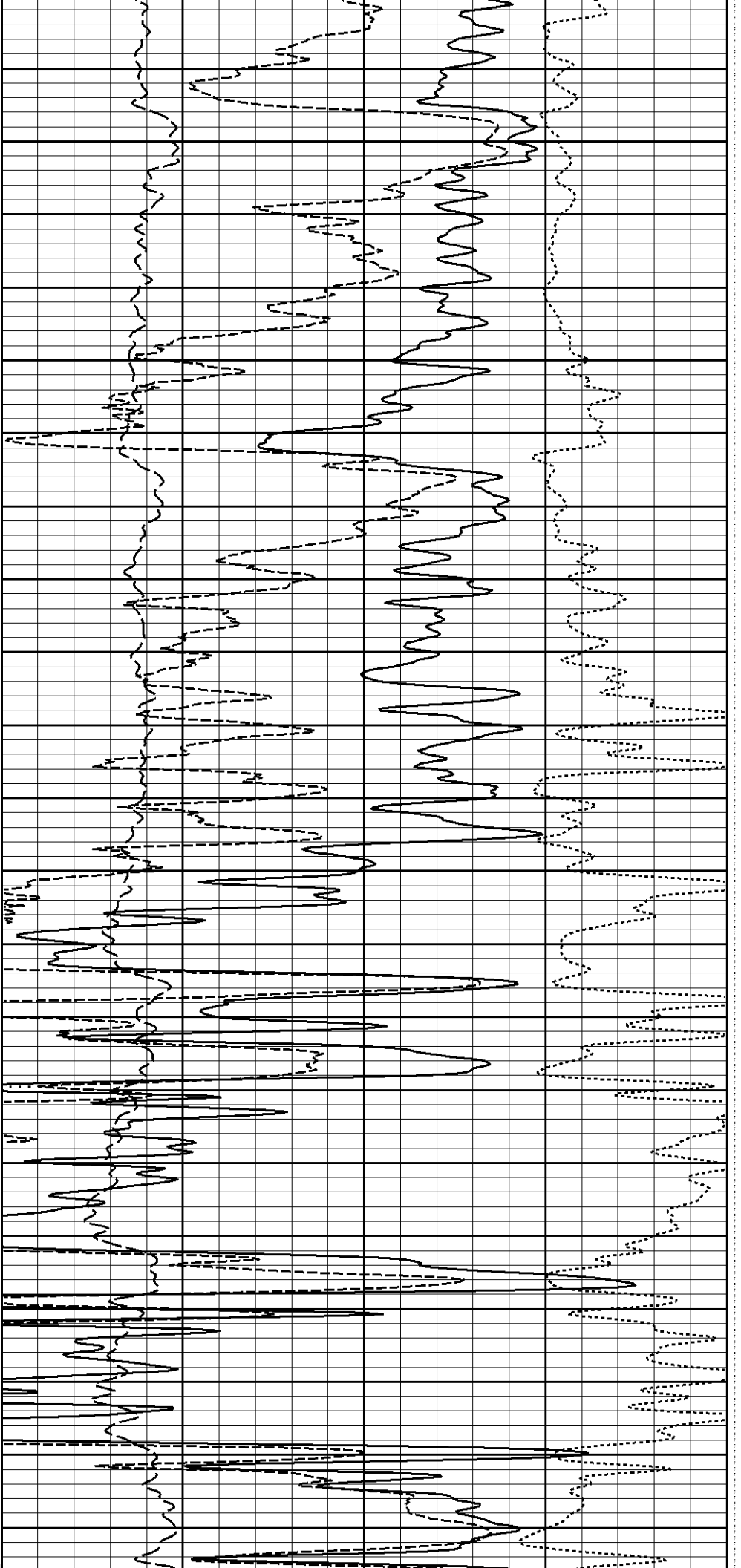
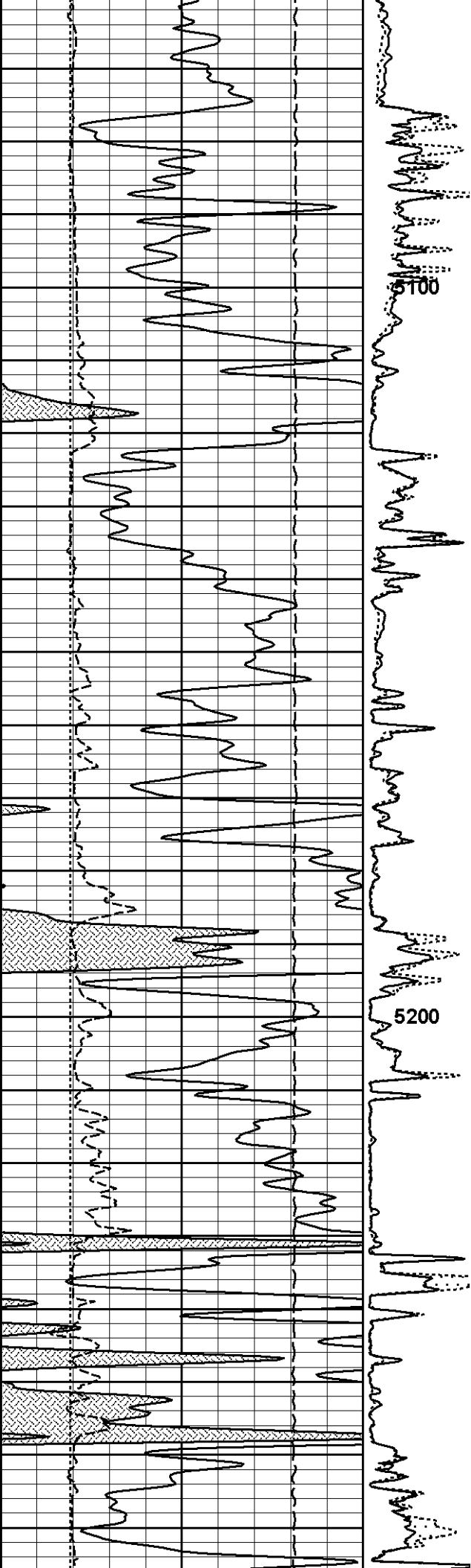
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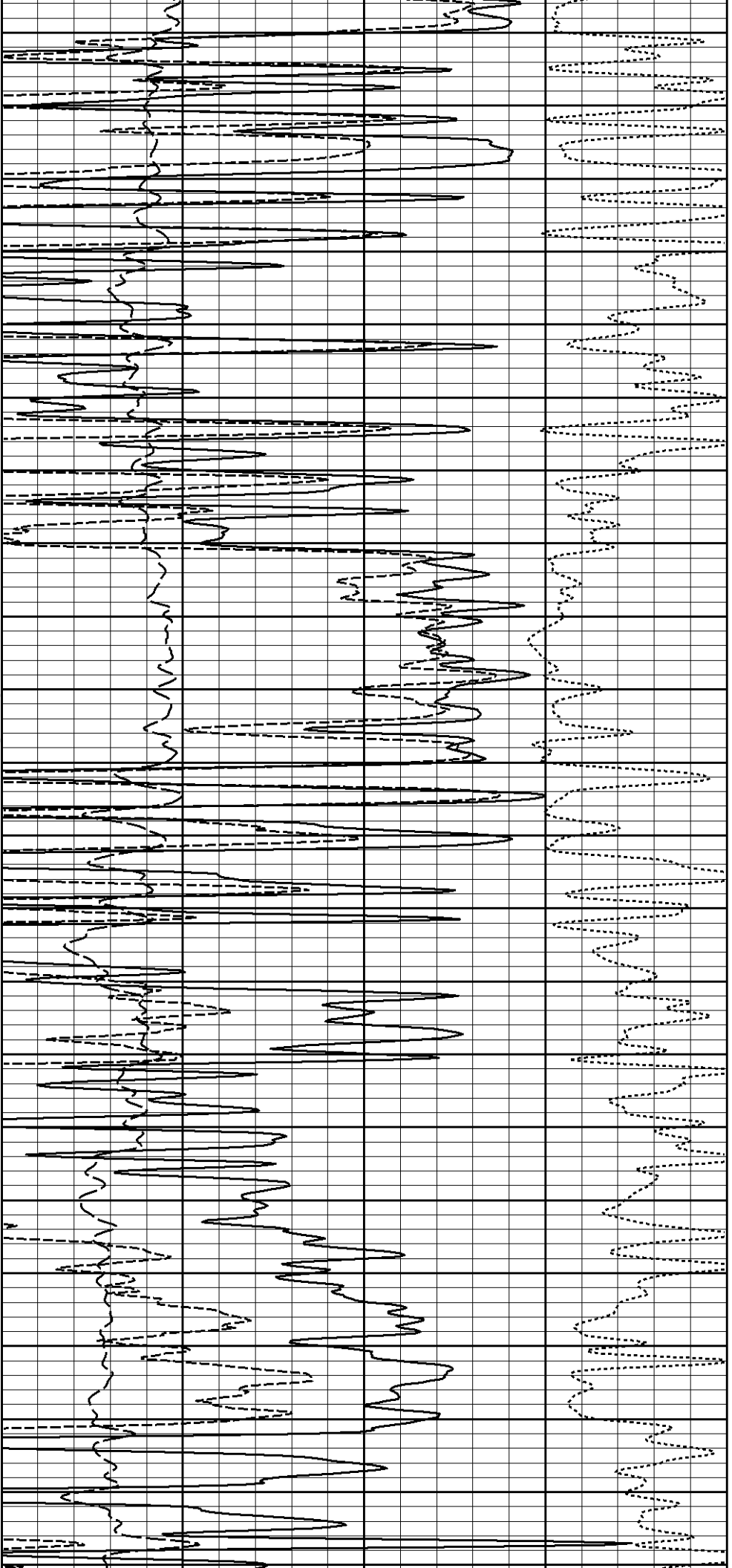
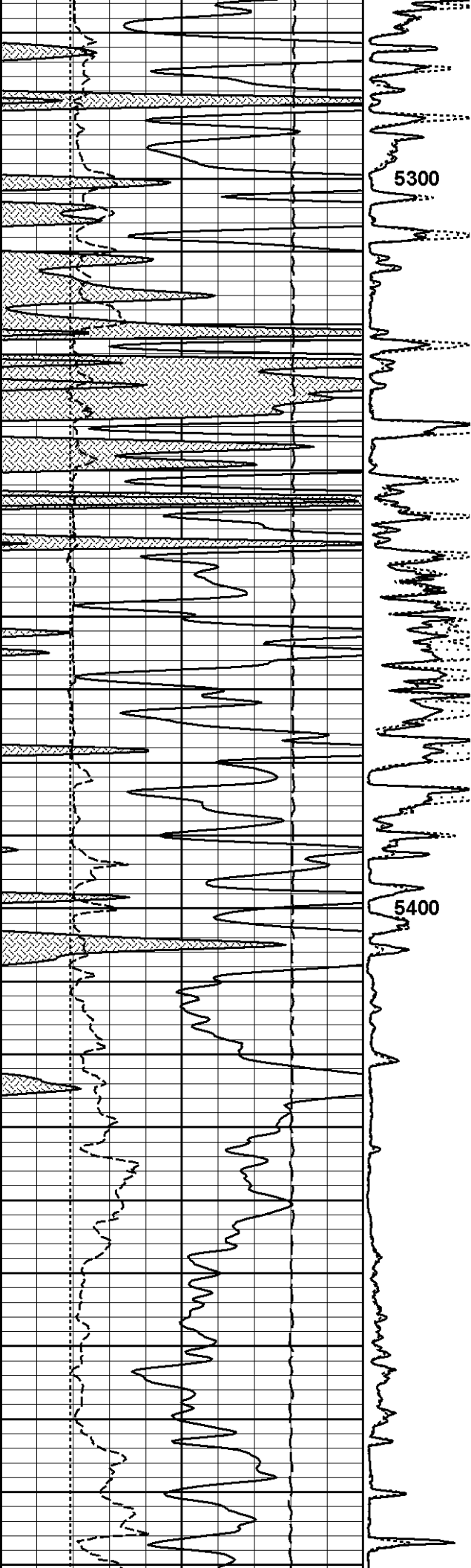


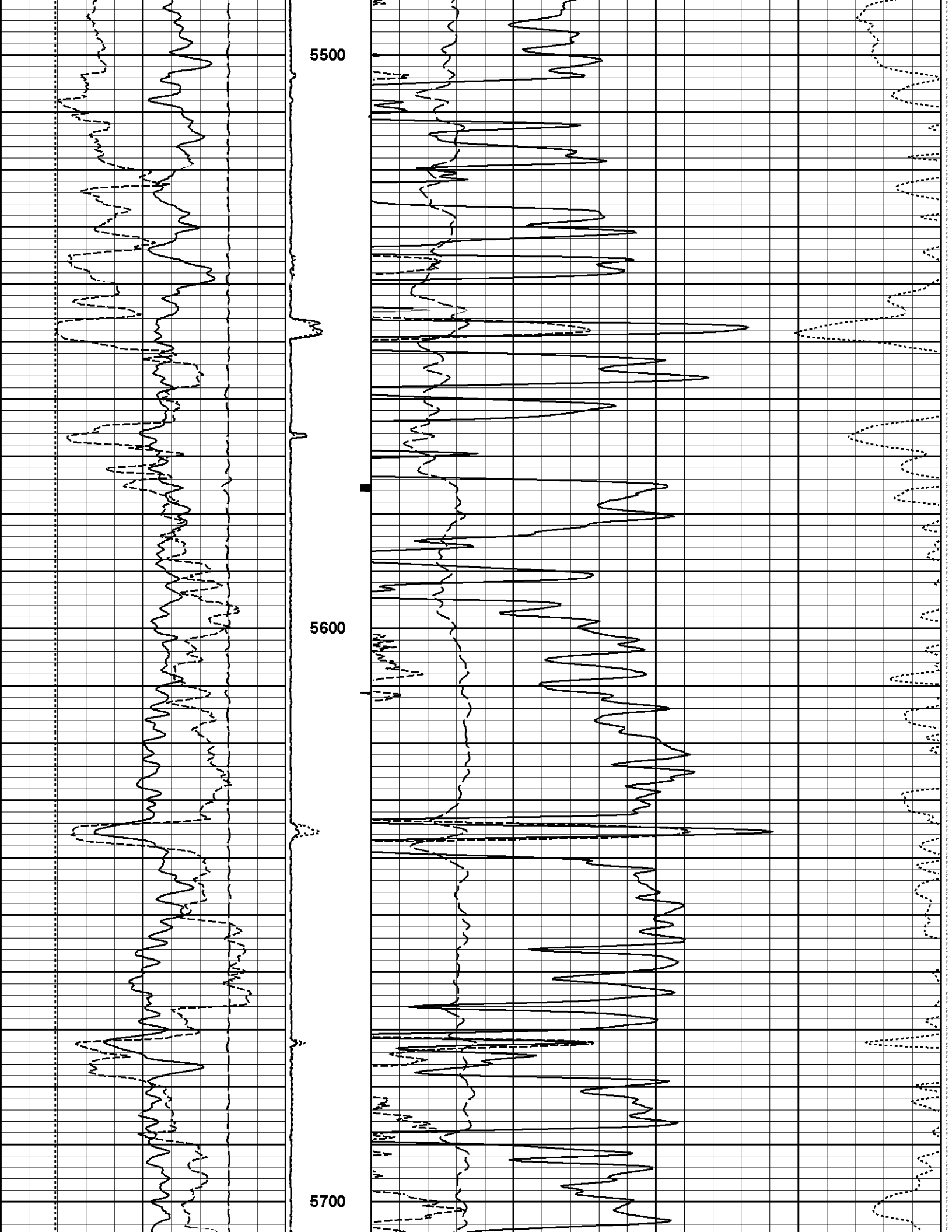




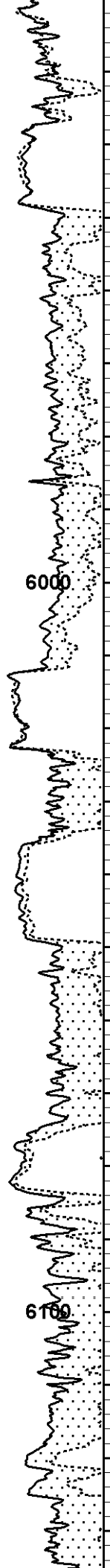
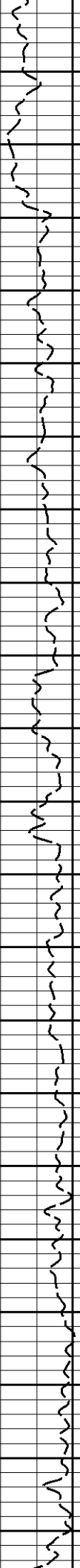
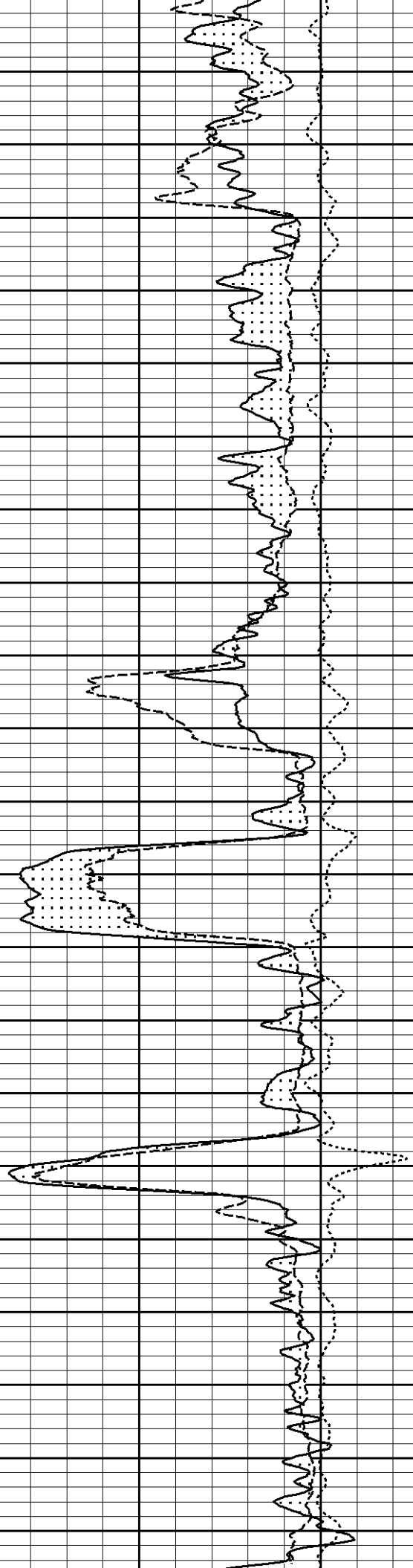






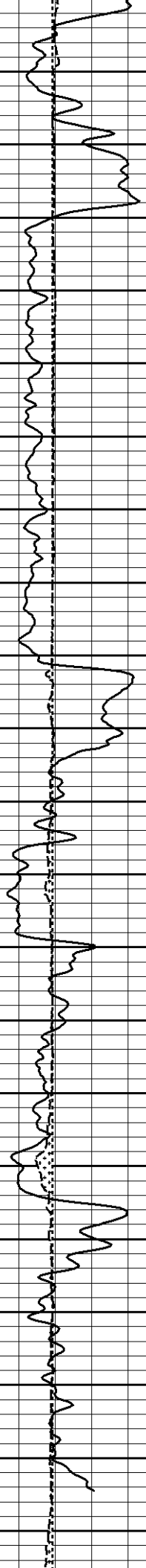


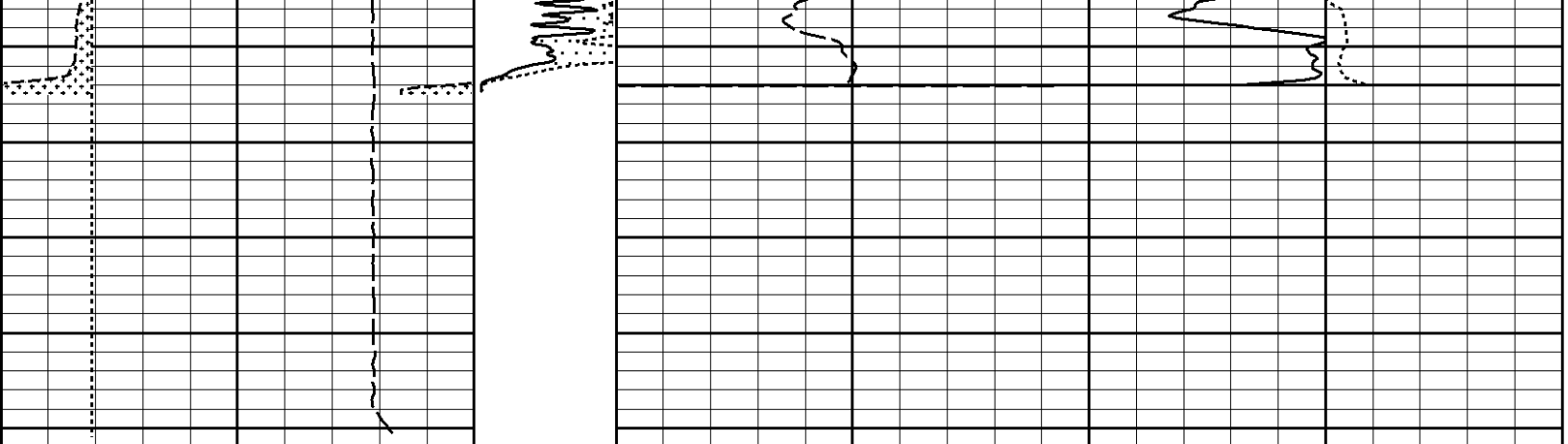




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6000





6	Bit Size	16	Microlog Later	40	0	Pe	10	-0.25	Density Corr	0.25
	inches		ohm-metre						gram per cc	
15K	Tens	0	Microlog Normal	40	30				Density Porosity	-10
	pounds		ohm-metre						percent	
6	Caliper	16	Tension Pull	40	30				Neutron Porosity	-10
	inches								percent	
0	Gamma API	150								
	api									

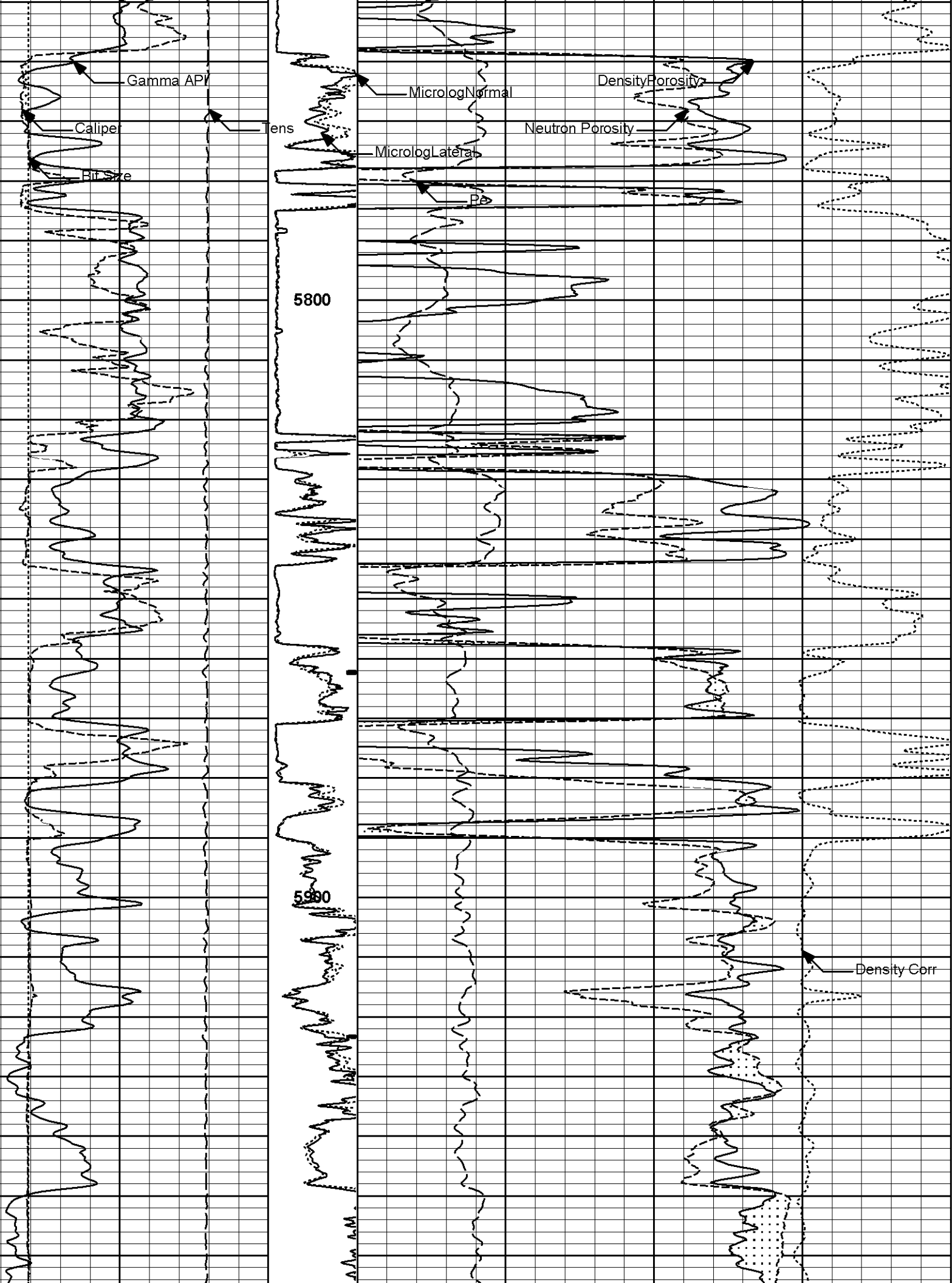
HALLIBURTON Plot Time: 11-Dec-07 15:42:34
Plot Range: 3098 ft to 6182 ft
Data: CYNTHIA_35_1\Well Based*\
Plot File: \\PORO\Poromicro_Stone

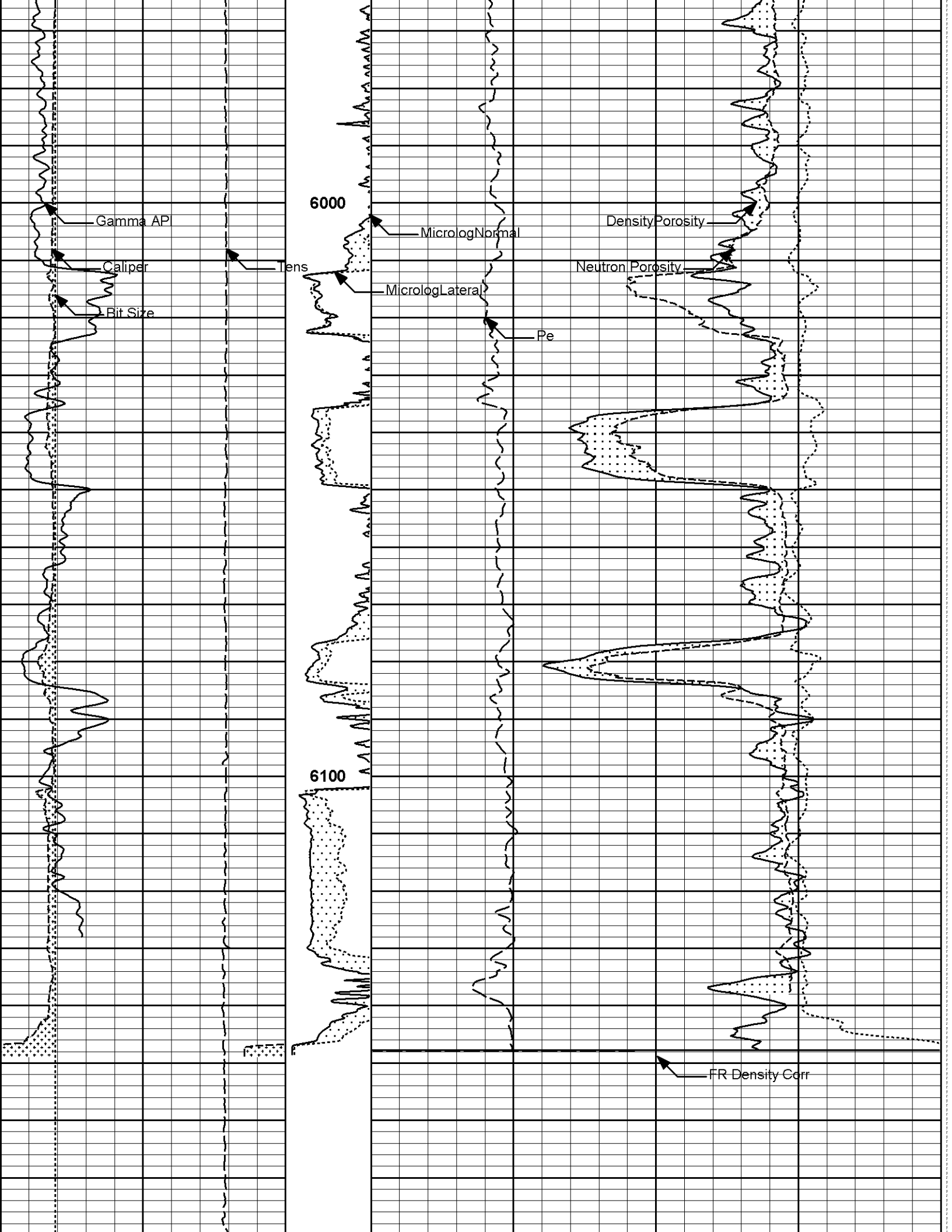
5 INCH MAIN LOG

HALLIBURTON Plot Time: 11-Dec-07 15:42:35
Plot Range: 5748 ft to 6186 ft
Data: CYNTHIA_35_1\Well Based\DAQ-0002-002\
Plot File: \\PORO\PORO 5 RPT

5 INCH REPEAT

0	Gamma API	150								
	api									
6	Caliper	16	Tension Pull	40	30				Neutron Porosity	-10
	inches								percent	
15K	Tens	0	Microlog Normal	40	30				Density Porosity	-10
	pounds		ohm-metre						percent	
6	Bit Size	16	Microlog Later	40	0	Pe	10	-0.25	Density Corr	0.25
	inches		ohm-metre						gram per cc	





Field Verification	Shop	Field	Units
Background	50.9	45.7	api
Background + Calibrator	270.9	262.7	api
Calibrator	220.0	217.0	api

Shop	Field	Difference	Tolerance
220.0	217.0	3.0	+/- 9.0

ACCELEROMETER SHOP CALIBRATION

Tool Name:	GTET - 11005603	Reference Calibration Date:	08-Nov-07 14:27:31
Engineer:	KNEPPER	Calibration Date:	08-Nov-07 14:29:14
Software Version:	WL INSITE R2.0 (Build 12)	Calibration Version:	1

Horizontal-1 Telemetry	Horizontal-2 Telemetry	Vertical Telemetry	Units
-123.00	-148.18	-16327.27	cnts

Coefficient	Coefficient Value	Tolerance
Gain	-0.000062	-0.0010 - 0.0010
Offset	-0.008	-----

Orientation	Measured	Calibrated
Horizontal	0.01	-0.00
Vertical	1.00	1.00

DUAL SPACED NEUTRON SHOP CALIBRATION

Tool Name:	DSNT - 11019642	Reference Calibration Date:	09-Nov-07 10:10:08
Engineer:	STONE	Calibration Date:	07-Dec-07 12:02:39
Software Version:	WL INSITE R2.0 (Build 19)	Calibration Version:	1

Logging Source S/N: DSN-381

Tank Serial Number: 56.1

Reference value assigned to Tank: 56.100

Snow Block S/N: 11057

Calibration Tank Water Temperature: 65.00 degF

Min. Tool Housing Outside Diameter: 3.625 in

CALIBRATION CONSTANTS

Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	0.993	0.990	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):	0.2368	0.2358	0.0010	+/- 0.0020
Calibrated Ratio:	10.59	10.56	0.033	+/- 0.050

VERIFIER

Measurement	Value	Control Limit
Snow-Block Porosity (decP):	0.0817	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 - 11019642	Reference Calibration Date:	07-Dec-07 12:02:39
Engineer:	STONE	Calibration Date:	09-Dec-07 20:09:03
Software Version:	WL INSITE R2.0 (Build 19)	Calibration Version:	1

Logging Source S/N: DSN-381

Snow Block S/N: 11057

NEUTRON FIELD-CHECK SUMMARY

	Shop	Field	Difference	Control Limit On Change
Snow-Block Porosity (decp):	0.0817	0.0780	-0.0037	+/- 0.0150

PASS/FAIL SUMMARY

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

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name:	SDLT - I42M02P76	Reference Calibration Date:	08-Nov-07 14:00:18
Engineer:	GUTHMUELLER	Calibration Date:	07-Dec-07 10:33:32
Software Version:	WL INSITE R2.0 (Build 19)	Calibration Version:	1

Logging Source S/N: 24520B

Aluminum Block S/N: 63074

Density: 2.589g/cc

Magnesium Block S/N: 63386

Density: 1.683g/cc

DENSITY CALIBRATION SUMMARY

Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	0.9919	1.0063	0.90 - 1.10
Near Dens Gain	0.9804	0.9988	0.90 - 1.10
Near Peak Gain	0.9748	0.9985	0.90 - 1.10
Near Lith Gain	0.9645	0.9906	0.90 - 1.10
Far Bar Gain	1.0015	1.0017	0.90 - 1.10
Far Dens Gain	0.9899	0.9905	0.90 - 1.10
Far Peak Gain	0.9835	0.9846	0.90 - 1.10
Far Lith Gain	0.9684	0.9702	0.90 - 1.10

Near Bar Offset	0.1188	-0.0131	NONE
Near Dens Offset	0.1958	0.0358	NONE
Near Peak Offset	0.2235	0.0266	NONE
Near Lith Offset	0.2736	0.0664	NONE
Far Bar Offset	-0.0096	-0.0135	NONE
Far Dens Offset	0.0817	0.0833	NONE
Far Peak Offset	0.1140	0.1176	NONE
Far Lith Offset	0.2234	0.2274	NONE

Near Bar Background	1056.31	1051.28	700 - 1450
Near Dens Background	345.98	346.76	230 - 480
Near Peak Background	149.00	147.10	100 - 210

Near Lith Background	184.57	183.75	125 - 260
Far Bar Background	623.62	620.30	450 - 900
Far Dens Background	244.24	241.25	175 - 345
Far Peak Background	97.00	96.70	70 - 140
Far Lith Background	100.71	101.06	75 - 145

CALIBRATION BLOCK SUMMARY

Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.682	1.683	0.001	+/- 0.015
Pe	2.675	2.594	-0.081	+/- 0.150
ALUMINUM				
Density (g/cc)	2.590	2.589	-0.001	+/- 0.01500
Pe	3.195	3.140	-0.055	+/- 0.150

TOOL SUMMARY

Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	-0.0007	+/- 0.0110	-0.0002	+/- 0.0140
Magnesium Block	-0.0006	+/- 0.0110	-0.0035	+/- 0.0140
Aluminum Block	-0.0001	+/- 0.0110	0.0005	+/- 0.0140
Resolution	9.12	6.00 - 11.50	9.08	6.00 - 11.50
Internal Verifier(B+D+P+L)	1729	1200 - 2700	1059	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 - I42M02P76	Reference Calibration Date: 07-Dec-07 10:33:32
Engineer: STONE	Calibration Date: 09-Dec-07 19:42:28
Software Version: WL INSITE R2.0 (Build 19)	Calibration Version: 1

Aluminum Block S/N: 63074	Density: 2.589g/cc
Magnesium Block S/N: 63386	Density: 1.683g/cc
Pad Temperature: 73.4 degF	

DENSITY FIELD CALIBRATION SUMMARY

Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1728.894	1730.856	1.962	16.681
Far (B+D+P+L) cps	1059.308	1067.293	7.985	17.274
Near Resolution	9.12	9.34	0.220	0.50
Far Resolution	9.78	9.08	0.700	1.00

PASS/FAIL SUMMARY

Bkg Quality Check:	Passed
Bkg Resolution Check:	Passed
Bkg Verification Check:	Passed

MICRO LOG SHOP CALIBRATION

Tool Name:	SDLT - I42M02P76	Reference Calibration Date:	07-Dec-07 11:13:03
Engineer:	STONE	Calibration Date:	07-Dec-07 11:14:29
Software Version:	WL INSITE R2.0 (Build 19)	Calibration Version:	1

CALIBRATION COEFFICIENT SUMMARY

Measurement	Micro Log Normal		Micro Log Lateral		Units
	Measured	Calibrated	Measured	Calibrated	
Tool Zero	-0.07	-0.07	-0.01	-0.01	ohmm
Calibration Point #1	-0.00	0.00	0.00	0.00	ohmm
Calibration Point #2	20.00	20.00	20.01	20.00	ohmm
Internal Reference	19.94	19.94	20.01	20.00	ohmm

Measurement	Micro Log Normal Tool Value	Micro Log Lateral Tool Value	Units
Tool Zero	-2.66	-1.87	V
Calibration Point #1	15.68	2.68	V
Calibration Point #2	5304.63	6867.99	V
Internal Reference	5288.51	6866.86	V

MICRO LOG FIELD CHECK

Tool Name:	SDLT - I42M02P76	Reference Calibration Date:	07-Dec-07 11:14:29
Engineer:	STONE	Calibration Date:	09-Dec-07 19:47:14
Software Version:	WL INSITE R2.0 (Build 19)	Calibration Version:	1

Measurement	Micro Log Normal		Micro Log Lateral		Units
	Shop	Field	Shop	Field	
Tool Zero	-0.07	-0.06	-0.01	0.00	ohmm
Internal Reference	19.94	19.81	20.00	19.86	ohmm

Summary

Signal	Shop	Field	Difference	Tolerance
Microlog Normal	19.94	19.81	0.130	+/- 0.80
Microlog Lateral	20.00	19.86	0.140	+/- 0.80

DENSITY CALIPER SHOP CALIBRATION

Tool Name:	SDLT - I42M02P76	Reference Calibration Date:	07-Dec-07 11:03:14
Engineer:	STONE	Calibration Date:	07-Dec-07 11:09:58
Software Version:	WL INSITE R2.0 (Build 19)	Calibration Version:	1

CALIBRATION COEFFICIENTS

Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-1363.23	-1085.61	-7000.00 - -1000.00
Pad Gain	0.0003997	0.0003812	0.000200 - 0.000600
Arm Offset	-474.49	-595.73	-5000.00 - 3000.00
Arm Gain	0.0005178	0.0005071	0.000300 - 0.000700
Arm Power	-0.000006137	-0.000005574	-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	0.0100	+/- 0.200	
Medium Ring (in)	3.82	3.75	-0.0700	+/- 0.200	
RING DIAMETER:					
Small Ring (in)	6.49	6.50	0.0100	+/- 0.200	
Medium Ring (in)	8.26	8.25	-0.0100	+/- 0.200	
Large Ring (in)	15.00	15.00	0.0000	+/- 0.200	
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 - I42M02P76		Reference Calibration Date:	07-Dec-07 11:09:58
Engineer:	STONE		Calibration Date:	09-Dec-07 19:58:56
Software Version:	WL INSITE R2.0 (Build 19)		Calibration Version:	1
MEASURED CALIPER VALUES				
Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.68	-0.07	+/- 0.10
Ring Diameter	8.25	8.21	-0.04	+/- 0.15
PASS/FAIL SUMMARY				
Pad Extension Check:			Passed	
Diameter Check:			Passed	

BCAS FIELD CASING CHECK						
Tool Name:	ISAT - P001		Calibration Date:		09-Dec-07 01:10:22	
Engineer:	STONE		Calibration Date:		13-Nov-07 11:02:00	
Software Version:	WL INSITE R2.0 (Build 19)		Calibration Version:		1	
Pre-Log Check	Check Depth	Shop	Field	Difference	Tolerance	Units
Delta-T Compensated	175.50	57.00	57.87	-0.8700	1.00	uspf

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION						
Tool Name:	ACRt - 90144562-e973-s170		Reference Calibration Date:		13-Nov-07 10:53:41	
Engineer:	HOFKAMP		Calibration Date:		13-Nov-07 11:02:00	
Software Version:	WL INSITE R2.0 (Build 12)		Calibration Version:		1	

TYPICAL GAIN RANGE									
Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	0.9403	1.05	0.95	0.9386	1.05	0.95	0.9318	1.05
A2 (50")	0.95	0.9409	1.05	0.95	0.9405	1.05	0.95	0.9376	1.05
A3 (29")	0.95	0.9399	1.05	0.95	0.9396	1.05	0.95	0.9382	1.05
A4 (17")	0.95	1.0118	1.05	0.95	1.0120	1.05	0.95	1.0091	1.05

A5 (10")	N/A	N/A	N/A	0.95	1.0055	1.05	0.95	1.0024	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.9931	1.05	0.95	0.9889	1.05
TYPICAL SONDE OFFSET RANGE									
Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	-3	-1.982	-1	-6	-4.740	-2	-6	-5.107	-2
A2 (50")	-6	-4.428	-2	-6	-3.996	-2	-6	-4.955	-2
A3 (29")	-27	-20.511	-9	-9	-5.512	-3	-9	-3.935	-3
A4 (17")	-180	-114.061	-60	-45	-34.475	-15	-39	-25.735	-13
A5 (10")	N/A	N/A	N/A	-150	-100.780	-50	-90	-45.279	-30
A6 (6")	N/A	N/A	N/A	175	306.183	525	90	154.412	270
TRANSMITTER CURRENT GAIN					R-MUD VERIFICATION				
Signal	Lower	R	Upper	Signal	Lower (ohm-m)	Measured (ohmm)	Upper (ohm-m)		
12K	0.75	0.9042	1.4	Mud Cell	0.95	0.999	1.05		
36K	1.0	1.3735	2.4						
72K	1.25	1.5565	2.5						
CALIBRATION SUMMARY									
Sensor	Shop	Field	Post	Difference	Tolerance	Units			
Depth Panel-PROT01									
Tension Zero	0.00	-----	-----	0.00	-----	lbs			
Tension Cal	6750.00	-----	-----	0.00	-----	lbs			
GTET-11005603									
Gamma Ray Calibrator	220.0	217.0	-----	3.0	+/- 9.0	api			
AccZ Horizontal	-0.00	-----	-----	0.00	-----	g			
AccZ Vertical	1.00	-----	-----	0.00	-----	g			
DSNT-11019642									
Snow-Block Porosity	0.0817	0.0780	-----	0.0037	+/- -.-	decp			
SDLT-I42M02P76									
Near(B+D+P+L)	1728.894	1730.856	-----	-1.962	+/- ----	cps			
Far(B+D+P+L)	1059.308	1067.293	-----	-7.985	+/- ----	cps			
CALIPER RING 1	8.25	8.21	-----	0.04	+/- xxxx	in			
Data: CYNTHIA_35_1\0001 RED QUAD\IDLE							Date: 09-Dec-07 20:16:27		

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	MDWT	Borehole Fluid Weight	9.200	ppg				
	SHARED	RMUD	Mud Resistivity	2.000	ohmm				
	SHARED	TRM	Temperature of Mud	75.0	degF				
	SHARED	OBM	Oil Based Mud System?	No					
	SHARED	CCD	Logging Interval in Cased?	No					

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	6180.00	ft
SHARED	BHT	Bottom Hole Temperature	200.0	degF
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
GTET	GROK	Process Gamma Ray?	Yes	
GTET	GRSO	Gamma Tool Standoff	0.000	in
GTET	GEOK	Process Gamma Ray EVR?	No	
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		Logging Horizontal Water Tank?	No	
SDLT	DNOK	Process Density?	Yes	
SDLT	DNOK	Process Density EVR?	No	
SDLT	AD	Is Hole Air Drilled?	No	
SDLT	CB	Use Calibration Blocks?	No	
SDLT	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT	DTWN	Disable temperature warning	No	
SDLT	MDTP	Weighted Mud Correction Type?	None	
SDLT	DMA	Formation Density Matrix	2.710	g/cc
SDLT	DFL	Formation Density Fluid	1.000	g/cc
SDLT	CLOK	Process Caliper Outputs?	Yes	
SDLT	MLOK	Process MicroLog Outputs?	Yes	
ISAT	ISOK	Compute ISAT Results?	Yes	
ISAT	ISFL	ISAT Semblance Filter Range	17 - 30 KHz	
ISAT	SEMS	Semblance Sensitivity	Standard	
ISAT	DTFL	Delta -T Fluid	189.00	uspf
ISAT	DTMT	Delta -T Matrix Type	User define	
ISAT	DTMA	Delta -T Matrix	47.60	uspf
ISAT	DTSH	Delta -T Shale	100.00	uspf
ACRt	RTOK	Process ACRt?	Yes	
ACRt	CIND	Casing Indicator Enabled?	Yes	
ACRt	RECE	Relative Caliper Error	0	%
ACRt	MNSO	Minimum Tool Standoff	1.50	in
ACRt	RMC	Use RM Calculated for BHC?	No	
ACRt	LTNM	Acrt Lateral Normalization	None	
ACRt	UTC	Use Temperature Correction	Yes	
ACRt	TCS1	Temperature Correction Source	FP Lwr & FP Up	
ACRt	TPOS	Tool Position	Standoff	

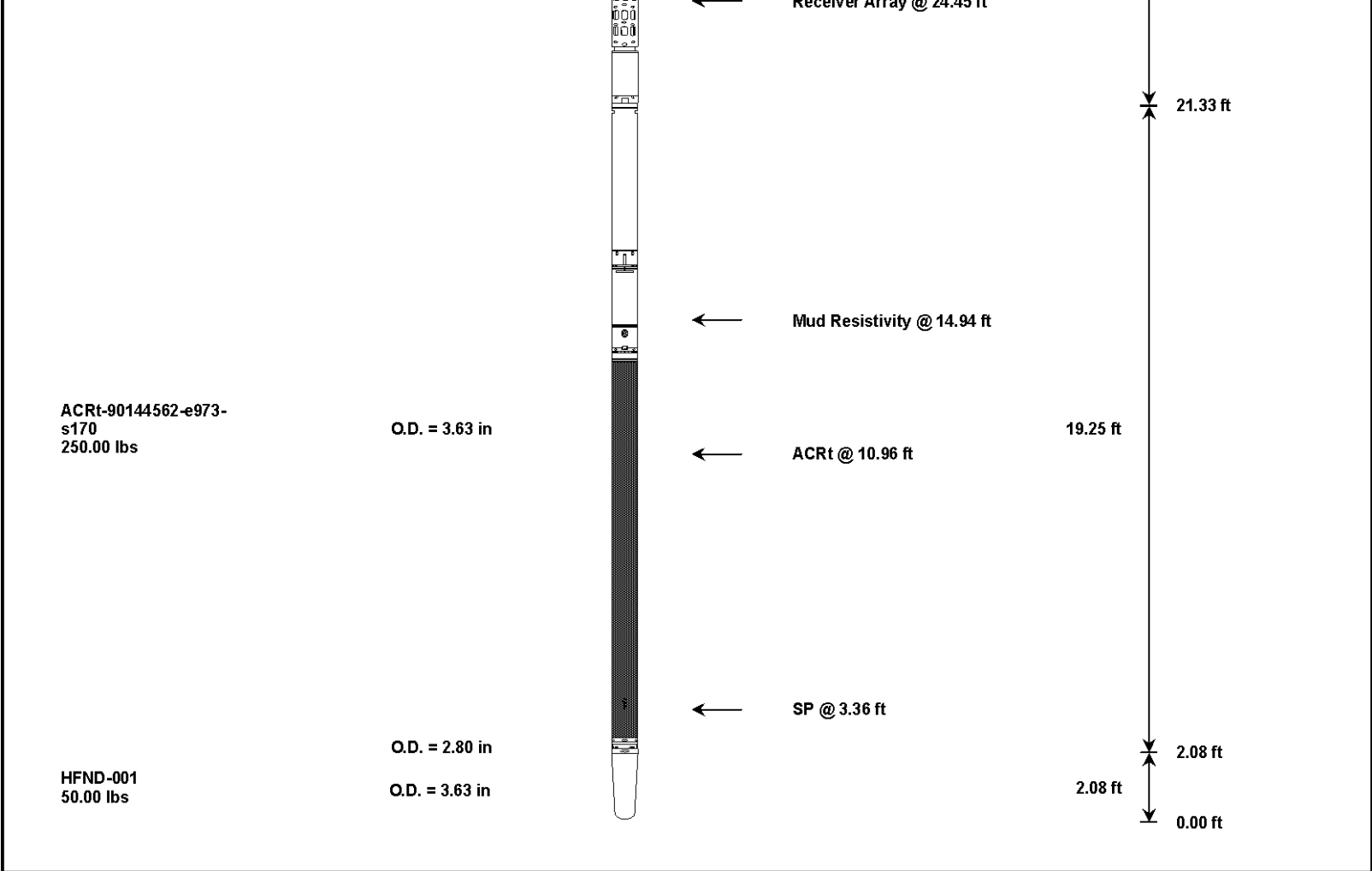
ACRt	BHCM	Borehole Compensation Type	Conventional	
ACRt	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt	RMIN	Maximum Resistivity for MAP	200.00	ohmm

BOTTOM

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	OD/Sensors	Diagram	Sensors	Tool Length	Accumulated Length
CH-PROT01 30.00 lbs	O.D. = 3.63 in			1.92 ft	64.00 ft
					62.08 ft
GTET-11005603 165.00 lbs	O.D. = 3.63 in		GammaRay @ 56.08 ft	8.46 ft	
					53.62 ft
DSNT-11019642 174.00 lbs	O.D. = 3.63 in		DSN Far @ 46.68 ft DSN Near @ 45.93 ft	9.69 ft	
					43.93 ft
SDLT-442M02P76 360.00 lbs	O.D. = 4.50 in O.D. = 4.75 in		SDL Microlog @ 36.12 ft SDL Caliper @ 35.94 ft SDL @ 35.93 ft	10.81 ft	
					33.12 ft
ISAT-P001 278.00 lbs	O.D. = 3.63 in		Receiver Array @ 24.45 ft	11.79 ft	



Tool Mnemonic		Tool Name	Serial Number	Weight (lbs)	Length (ft)	Length Accumulation (ft)	Max Logging Speed (fpm)
CH		Cable Head	PROT01	30.00	1.92	62.08	300.00
GTET		GTET	11005603	165.00	8.46	53.62	60.00
DSNT		DSNT	11019642	174.00	9.69	43.93	60.00
SDLT		SDLT	I42M02P76	360.00	10.81	33.12	60.00
ISAT		ISAT	P001	278.00	11.79	21.33	60.00
ACRt		ACRt	90144562-e973-s170	250.00	19.25	2.08	300.00
HFND		Hole Finder	001	50.00	2.08	0.00	300.00
Total				1,307.00	64.00		60.00

Data: CYNTHIA_35_1\0002 RED QUAD\IDLE

Date: 10-Dec-07 20:21:57

COMPANY	EOG RESOURCES		
WELL	CYNTHIA 35 #1		
FIELD	HUGOTON FIELD		
COUNTY	STEVENS	STATE	KANSAS

HALLIBURTON	SPECTRAL DENSITY DUAL SPACED NEUTRON MICROLOG
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