

HALLIBURTON

HIGH RESOLUTION INDUCTION SPECTRAL DENSITY DUAL SPACED NEUTRON

COMPANY				PLAINS EXPLORATION & PRODUCTION CO.			
WELL				CURREY 16-14			
FIELD				BRUSH CREEK			
COUNTY				MESA			
STATE				CO			
Permanent Datum Log measured from Drilling measured from				GROUND LEVEL KELLY BUSHING KELLY BUSHING			
Date				23-Dec-07 18:15			
Run No.				ONE			
Depth - Driller				7252.0 ft			
Depth - Logger				7254.0 ft			
Bottom - Logged Interval				7244.0 ft			
Top - Logged Interval				100.0 ft			
Casing - Driller				8.625 in @ 1310.0 ft			
Casing - Logger				1304.0 ft			
Bit Size				7.875 in @			
Type Fluid in Hole				LSND			
Density				9.7 ppq 45.00 s/qt			
PH				9.90 pH 8.4 cp/m			
Source of Sample				MUD TANK			
Rm @ Meas. Temperature				1.62 ohmm @ 63.10 degF @			
Rmf @ Meas. Temperature				1.30 ohmm @ 63.10 degF @			
Rmc @ Meas. Temperature				1.94 ohmm @ 63.10 degF @			
Source Rmf				MEAS. MEAS.			
Rm @ BHT				0.58 ohmm @ 187.5 degF @			
Time Since Circulation				8.3 hr			
Time on Bottom				23-Dec-07 19:45			
Max. Rec. Temperature				187.5 degF @ 7254.0 ft @			
Equipment				10748912 G.J.			
Recorded By				M. CARPENTER			
Witnessed By				E. DARRELL			

Fold here

Service Ticket No.: 5570790				API Serial No.: 050770919900				PGM Version: WL INSITE R2.0 (Build 12)							
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				MUD TANK				RESISTIVITY EQUIPMENT DATA							
Rm @ Meas. Temp		1.62 ohmm @ 63.10 degF @				Run No.		Tool Type & No.		Pad Type		Tool Pos.		Other	
Rmf @ Meas. Temp.		1.30 ohmm @ 63.10 degF @				ONE		HRI I91S0180		N/A		1.5" S.O.		N/A	
Rmc @ Meas. Temp.		1.94 ohmm @ 63.10 degF @													
Source Rmf		Rmc		CALC. CALC.											
Rm @ BHT		0.58 ohmm @ 187.50 degF @													
Rmf @ BHT		0.47 ohmm @ 187.50 degF @													
Rmc @ BHT		0.70 ohmm @ 187.50 degF @													
EQUIPMENT DATA															
GAMMA				ACOUSTIC				DENSITY				NEUTRON			
Run No.		ONE		Run No.				Run No.		ONE		Run No.		ONE	
Serial No.		108617		Serial No.				Serial No.		I709MC136		Serial No.		A064	
Model No.		NGRT		Model No.				Model No.		SDL		Model No.		DSN	
Diameter		3.625		No. of Cent.				Diameter		4.500		Diameter		3.625	
Detector Model No.		102A		Spacing				Log Type		GAMMA-GAMMA		Log Type		THERMAL	
Type		SCINT.						Source Type		Cs 137		Source Type		Am 241 Be	
Length		4"		LSA [Y/N]				Serial No.		3026GW		Serial No.		DSN108	
Distance to Source		10"		FWDA [Y/N]				Strength		1.5 Ci		Strength		18.5 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	T.D.	CSG.	REC.	0	200				30%	-10%	2.68	30%	-10%	SAND.		
DIRECTIONAL INFORMATION																
Maximum Deviation								@	KOP							@
Remarks:																
RWCH-D4TS-NGRT-DSN-SDL-HRID WERE RAN IN COMBINATION.																
HOLE RUGOSITY AND TENSION PULLS MAY AFFECT LOG QUALITY.																
A.H.V. CALCULATED FOR 4.5" CASING.																
CHLORIDES REPORTED AT 1000 mg/L.																
LATITUDE: 39.27° N // LONGITUDE: 107.89° W																
YOUR CREW TODAY IS S. HOWELL AND K. LAUCK.						RIG: GREYWOLF #708										
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES - GRAND JUNCTION, CO - (970) 523-3600.																
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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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	9.700	ppg
	SHARED	RMUD	Mud Resistivity	1.620	ohmm
	SHARED	TRM	Temperature of Mud	63.1	degF
	SHARED	OBM	Oil Based Mud System?	No	
	SHARED	CSD	Logging Interval is Cased?	No	
	SHARED	ICOD	AHV Casing OD	4.500	in
	SHARED	ST	Surface Temperature	20.0	degF
	SHARED	TD	Total Well Depth	7254.00	ft
	SHARED	BHT	Bottom Hole Temperature	187.5	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
	NGRT	GROK	Process Gamma Ray?	Yes	
	NGRT	GRSO	Gamma Tool Standoff	0.000	in

NGRT	GEOK	Process Gamma Ray EVR?	No	
DSN_II	DNOK	Process DSN?	Yes	
DSN_II	DEOK	Process DSN EVR?	No	
DSN_II	NLIT	Neutron Lithology	Sandstone	
DSN_II	DNSO	DSNTool Standoff	0.000	in
DSN_II	DNTP	Temperature Correction Type	None	
DSN_II	DPRS	DSN Pressure Correction Type	None	
DSN_II	SHCO	View More Correction Options	No	
DSN_II	UTVD	Use TVD for Gradient Corrections?	No	
DSN_II		Logging Horizontal Water Tank?	No	
SDL_DC	DNOK	Process Density?	Yes	
SDL_DC	DNOK	Process Density EVR?	No	
SDL_DC	AD	Is Hole Air Drilled?	No	
SDL_DC	CB	Use Calibration Blocks?	No	
SDL_DC	SPVT	SDLT Pad Temperature Valid?	Yes	
SDL_DC	MDTP	Weighted Mud Correction Type?	None	
SDL_DC	DMA	Formation Density Matrix	2.680	g/cc
SDL_DC	DFL	Formation Density Fluid	1.000	g/cc
SDL_DC	CLOK	Process Caliper Outputs?	Yes	
HRID-SP	HRE	Do HRI Induction Calculation?	Yes	
HRID-SP	DFLE	Do DFL Calculation?	Yes	
HRID-SP	PYRI	Pyrite Switch	Off	
HRID-SP	CSDP	Casing Depth	0.0	ft
HRID-SP	HDSP	Spike Reduction Filter Type	DELTA	
HRID-SP	HRTC	Temperature Correction Source	None	
HRID-SP	MMRS	Hrimap Minimum Resistivity	0.20	
HRID-SP	MXRS	Hrimap Maximum Resistivity	200.00	

BOTTOM

Data: PXP_CURREY16_14\0001 TRIPLE\IDLE

Date: 23-Dec-07 23:30:30

HALLIBURTON

Plot Time: 24-Dec-07 00:27:19

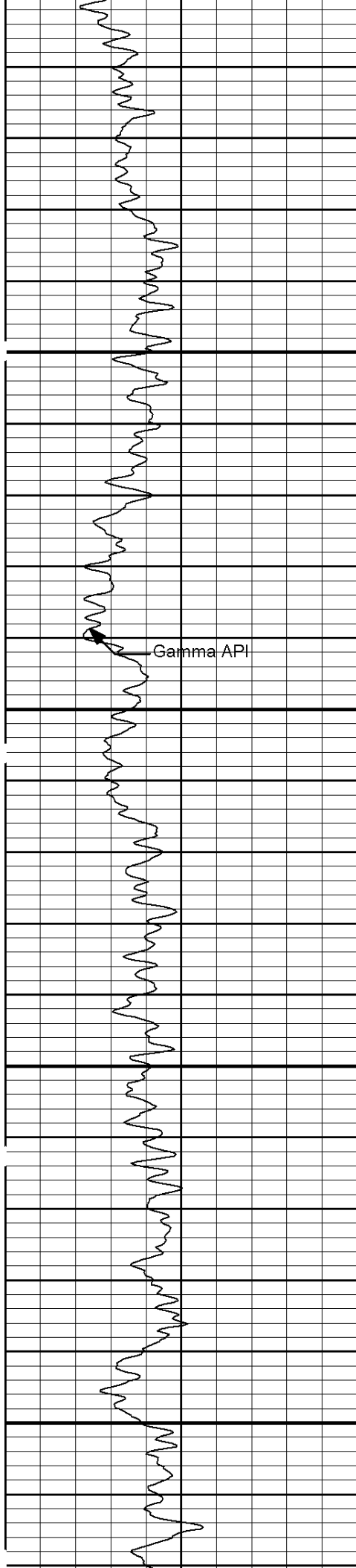
Plot Range: 100 ft to 7266 ft

Data: PXP_CURREY16_14\Well Based\%

Plot File: \TRIPLE\BITS_COMPOSITE_HRI_5IN_RM

MAIN PASS 5" = 100'

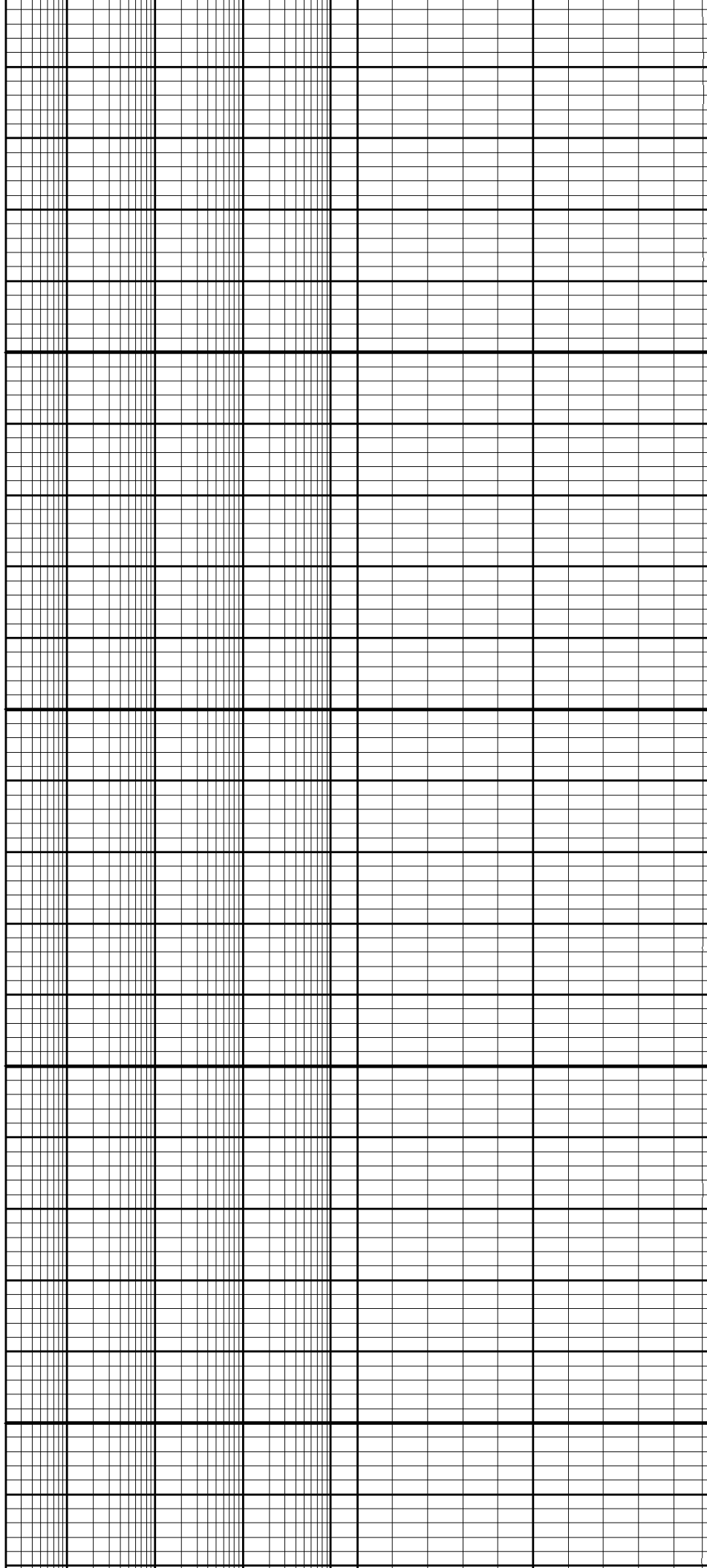
SP									
-10[+									
6	Caliper	16					21000	Tension	1000
inches							pounds		
0	Gamma API	200	BH ft3	0.2 Dig Focused Laterolog		2000	30	Neutron Porosity	-10
api				ohm-metre		percent			
-0.9	DensityCorr	0.1		0.2 Hri Medium Resistivity		2000	30	DensityPorosity	-10
gram per cc				ohm-metre		percent			
6	Bit Size	16		0.2 Hri Deep Resistivity		2000	0	Pe	10
inches			1 : 240	ohm-metre					
			ft						
			MD						

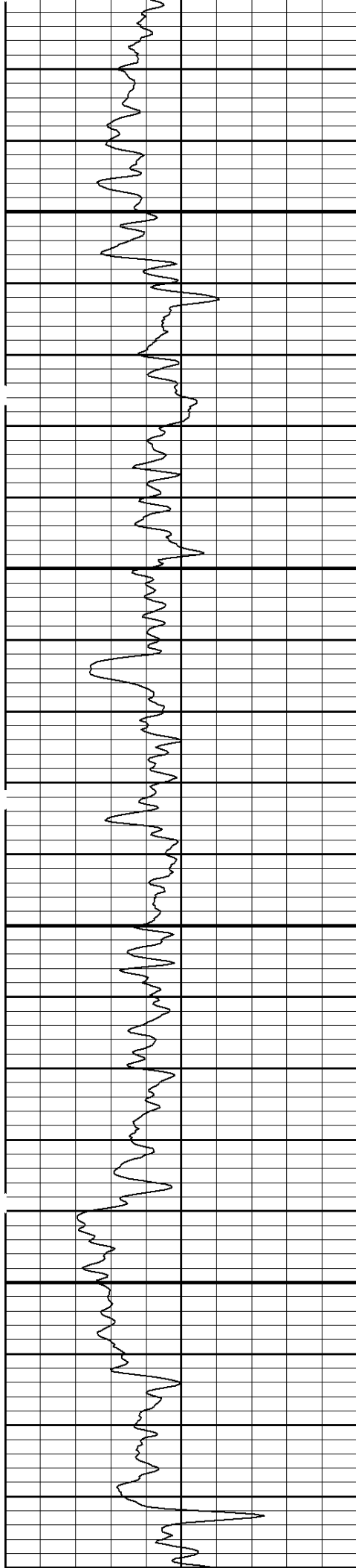


100

200

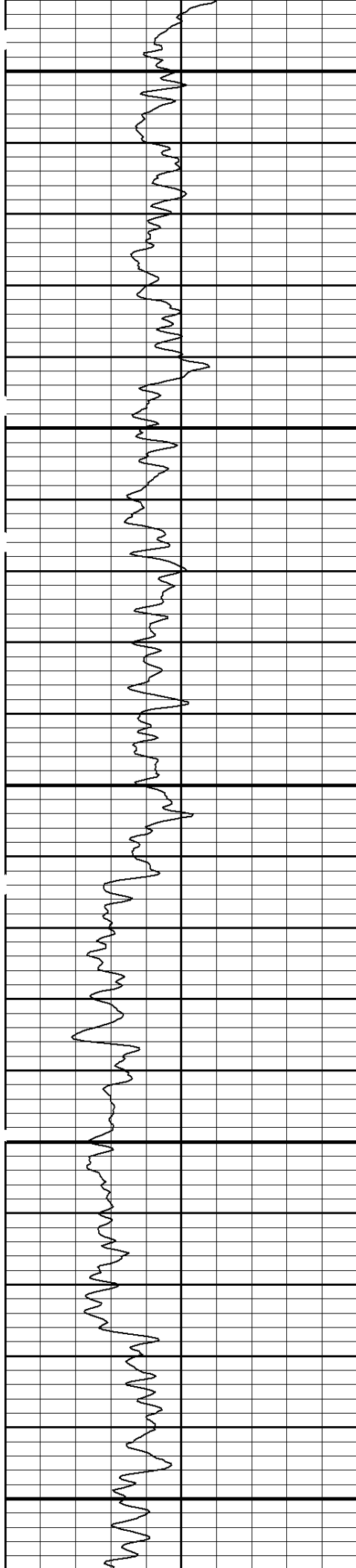
300





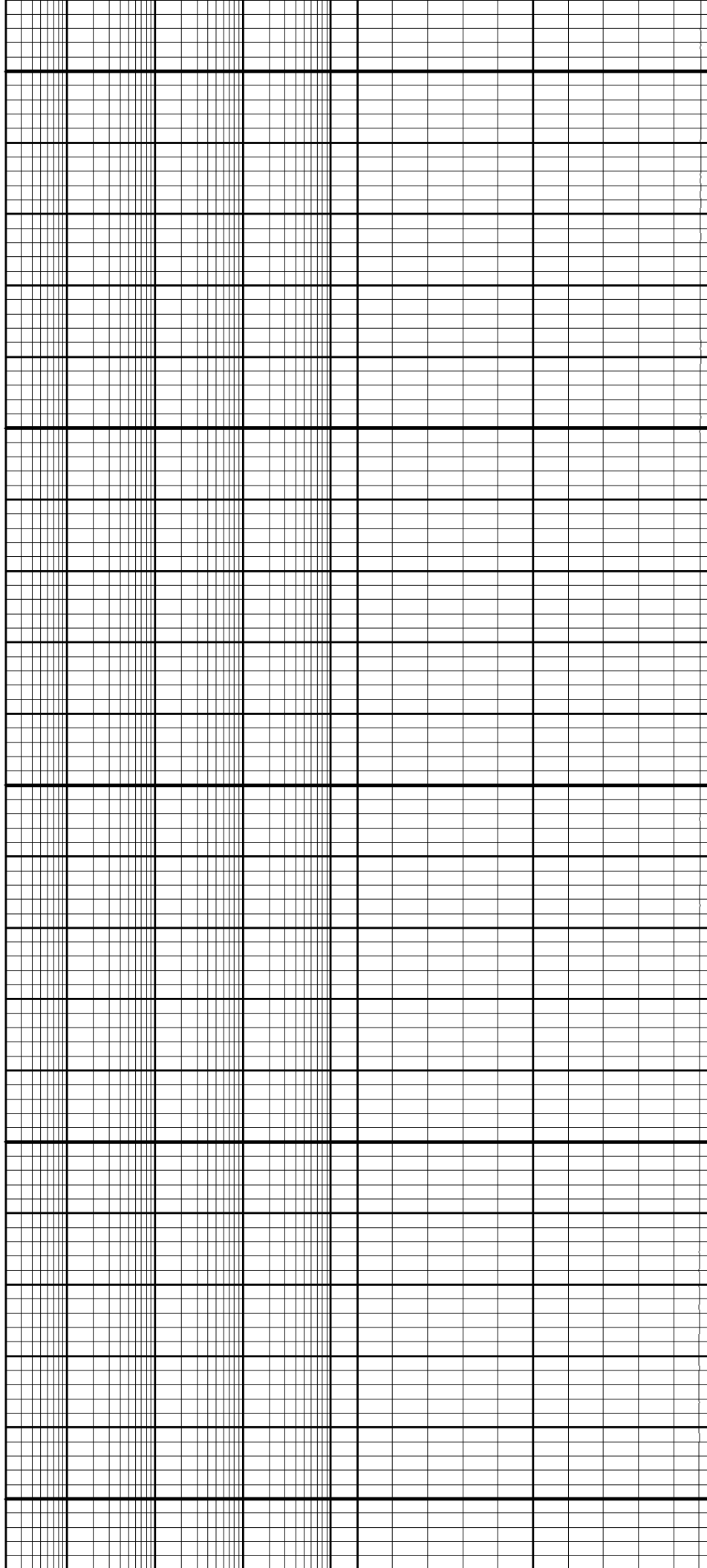
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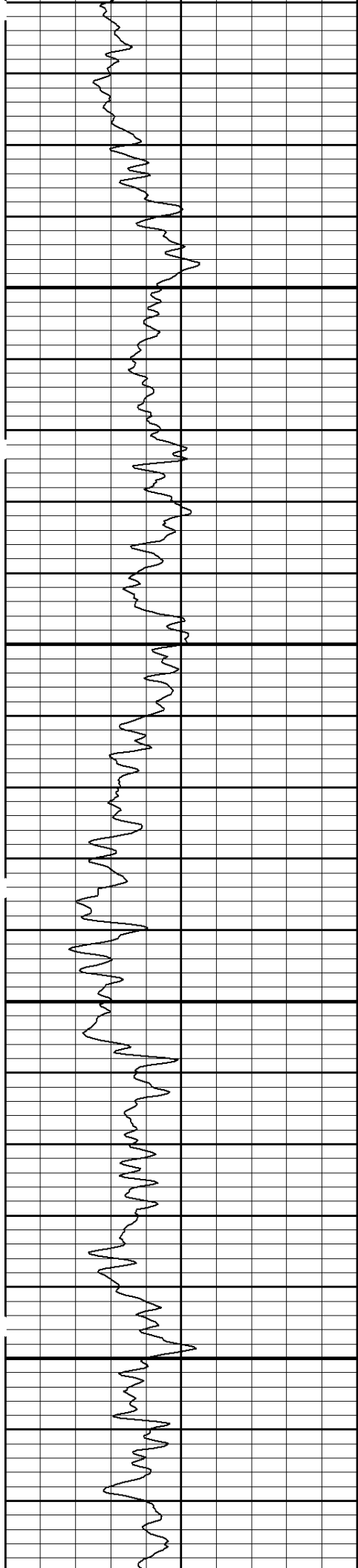
500



600

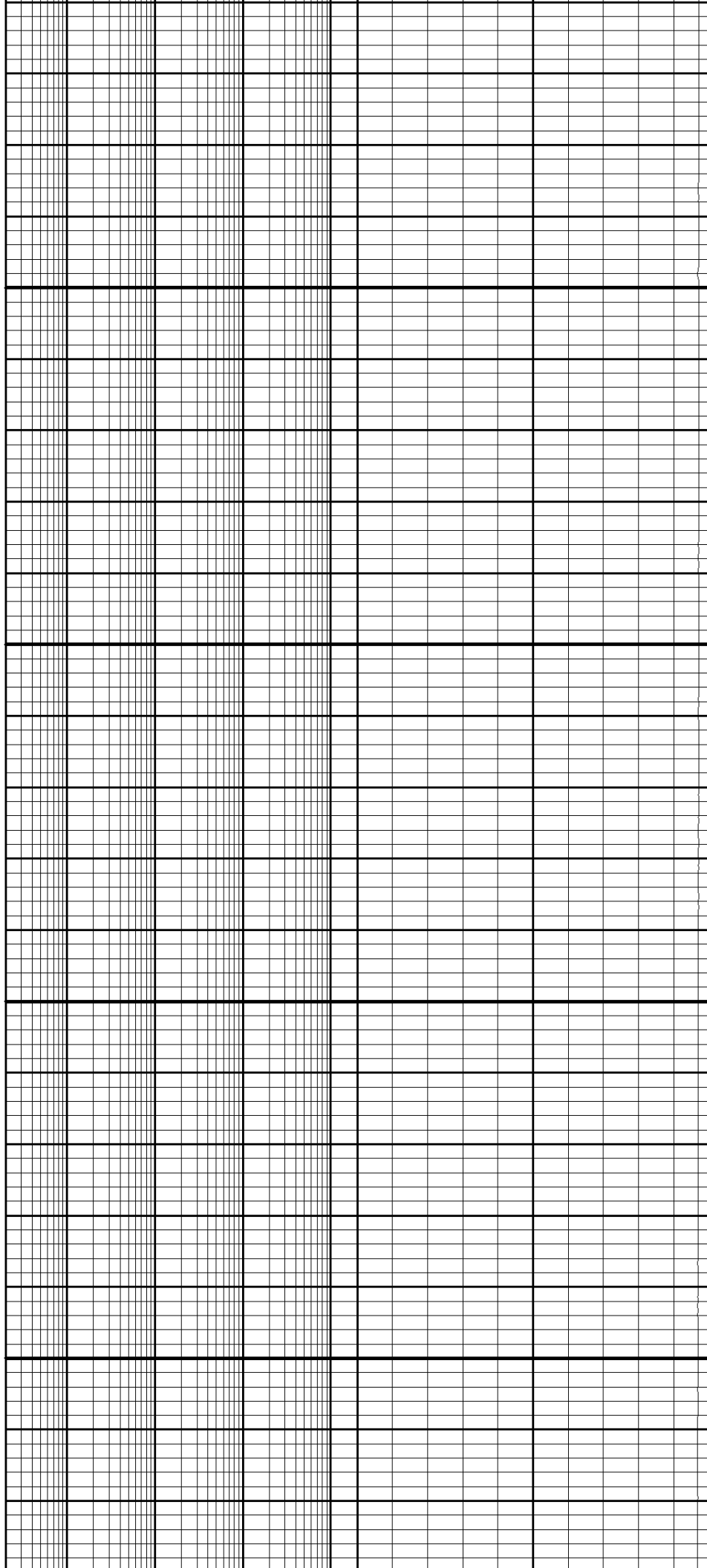
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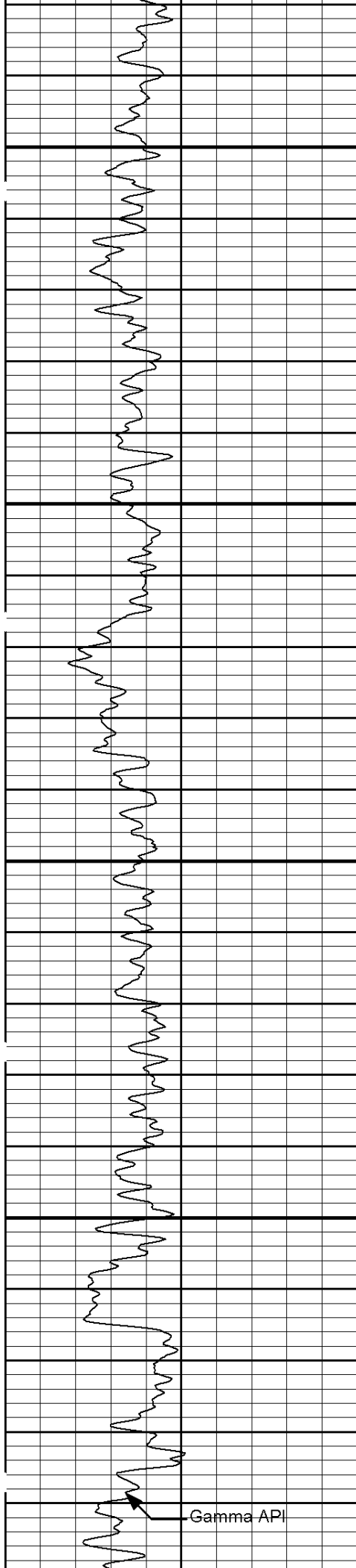




800

900





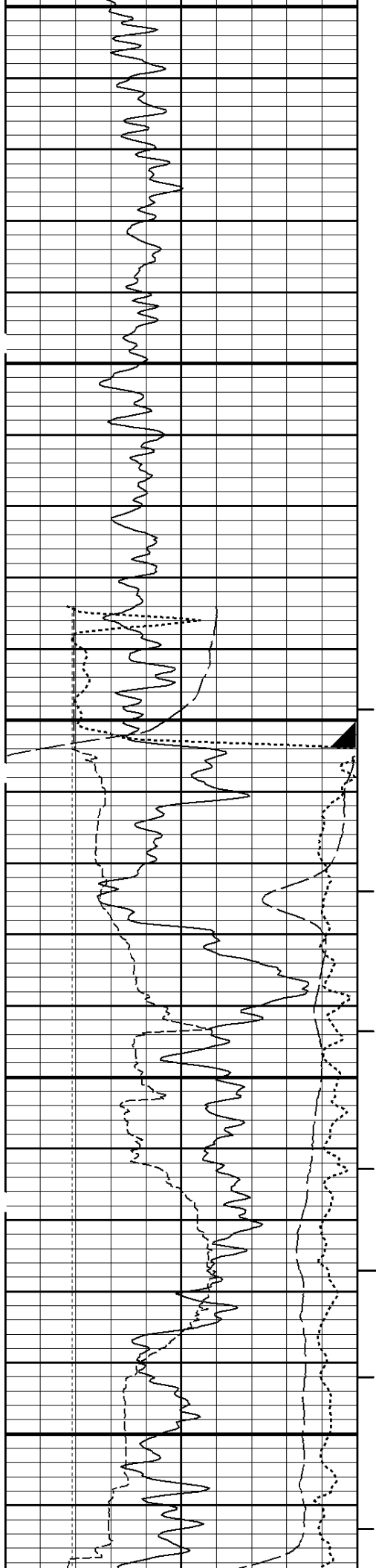
1000

1100

1200

Tension

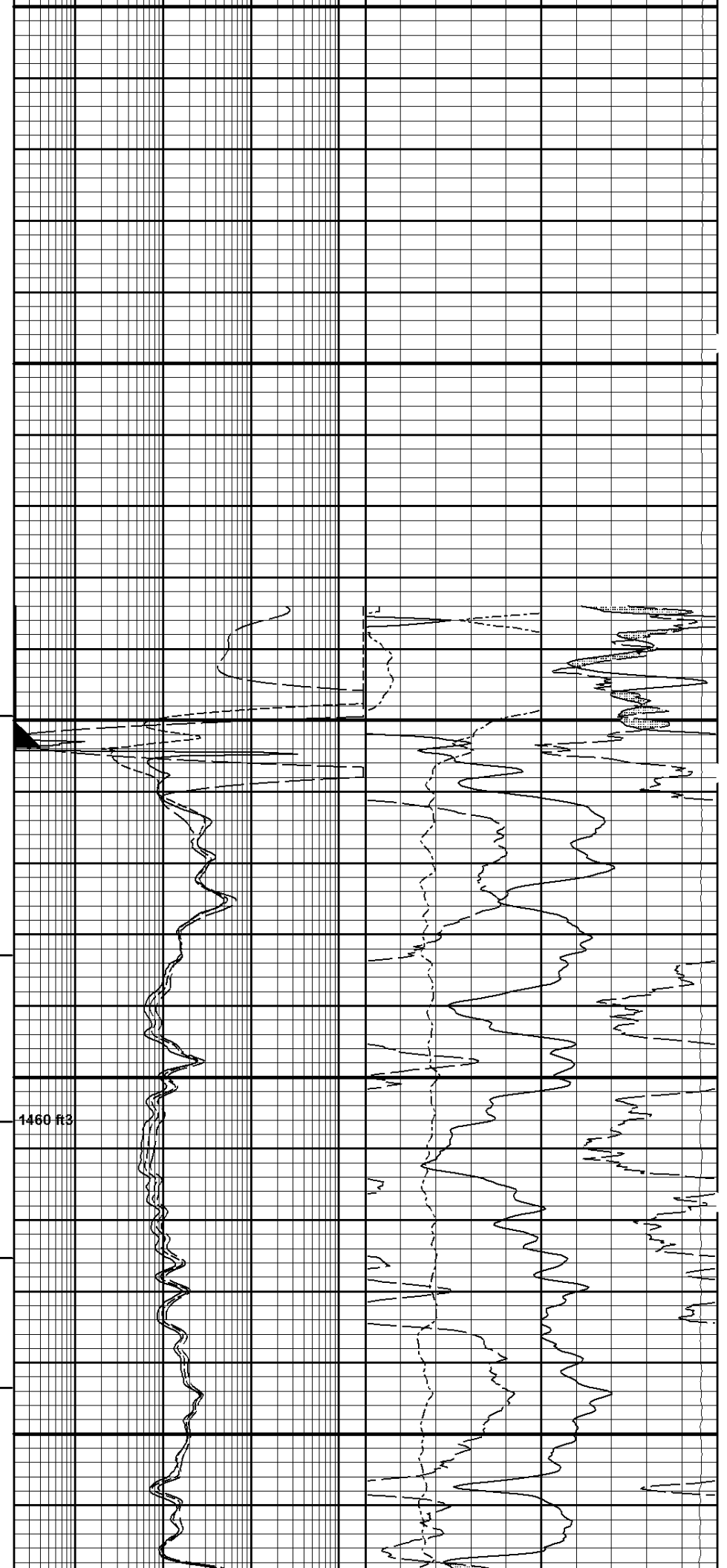
Gamma API



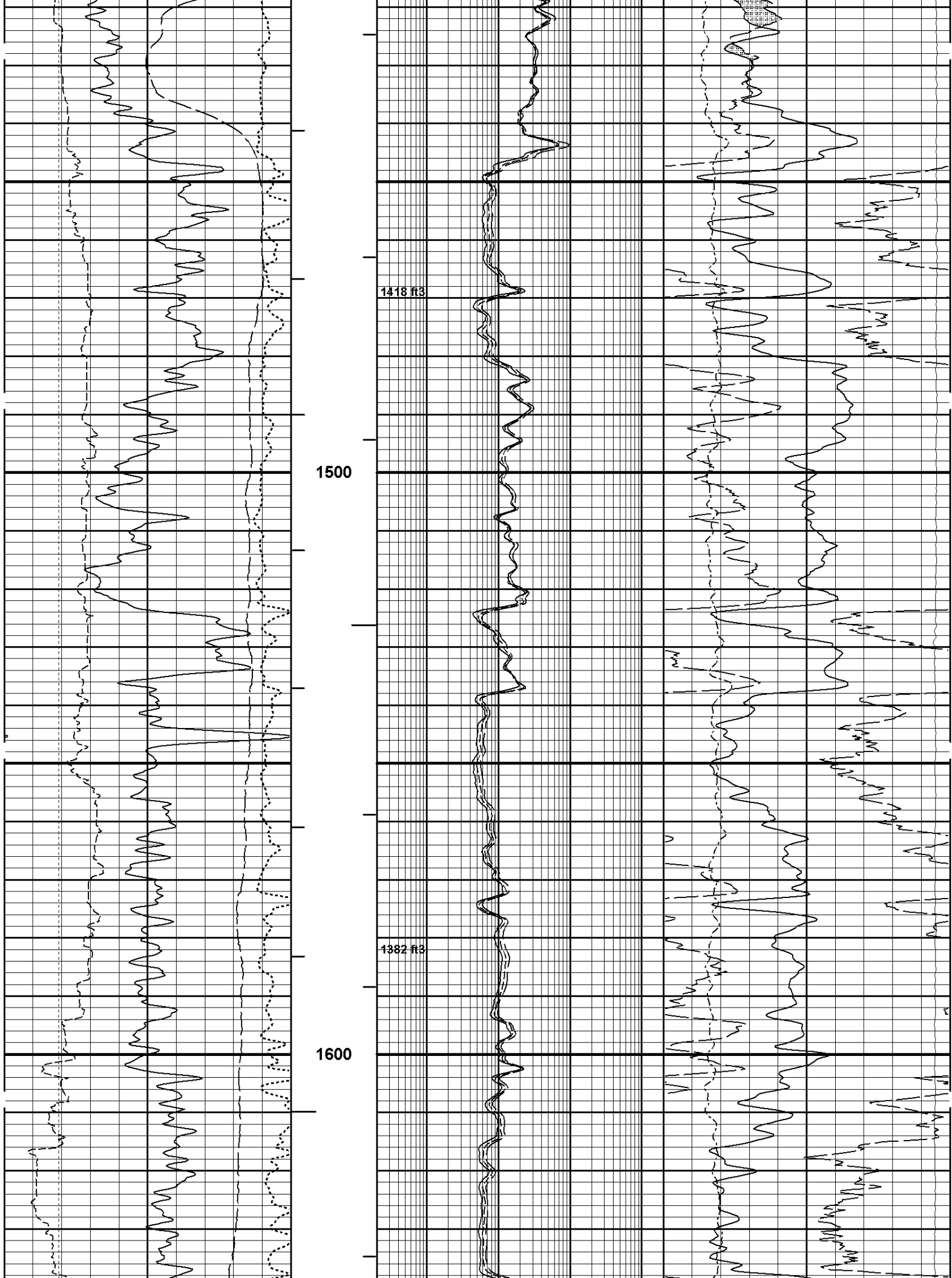
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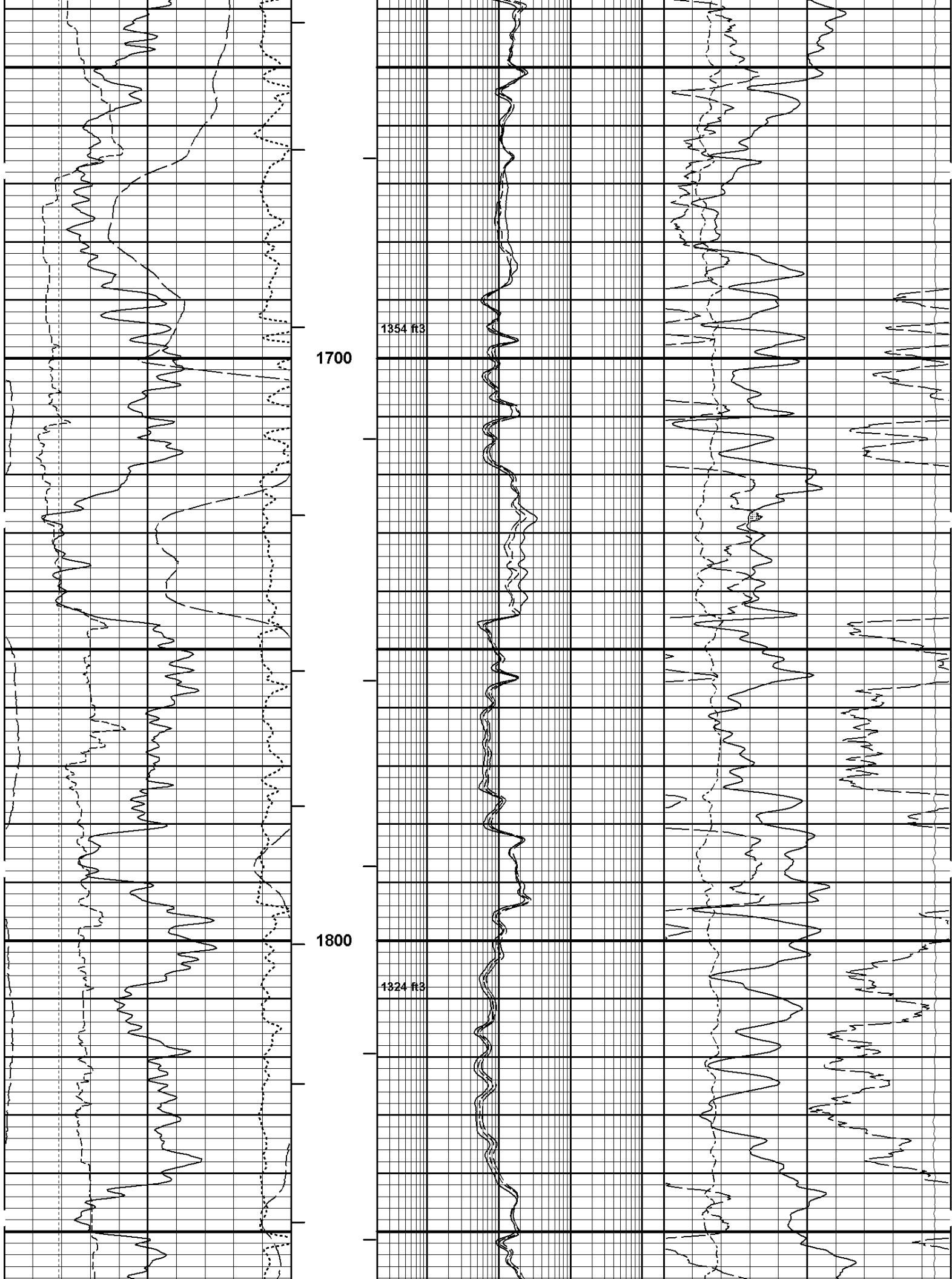
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CSG

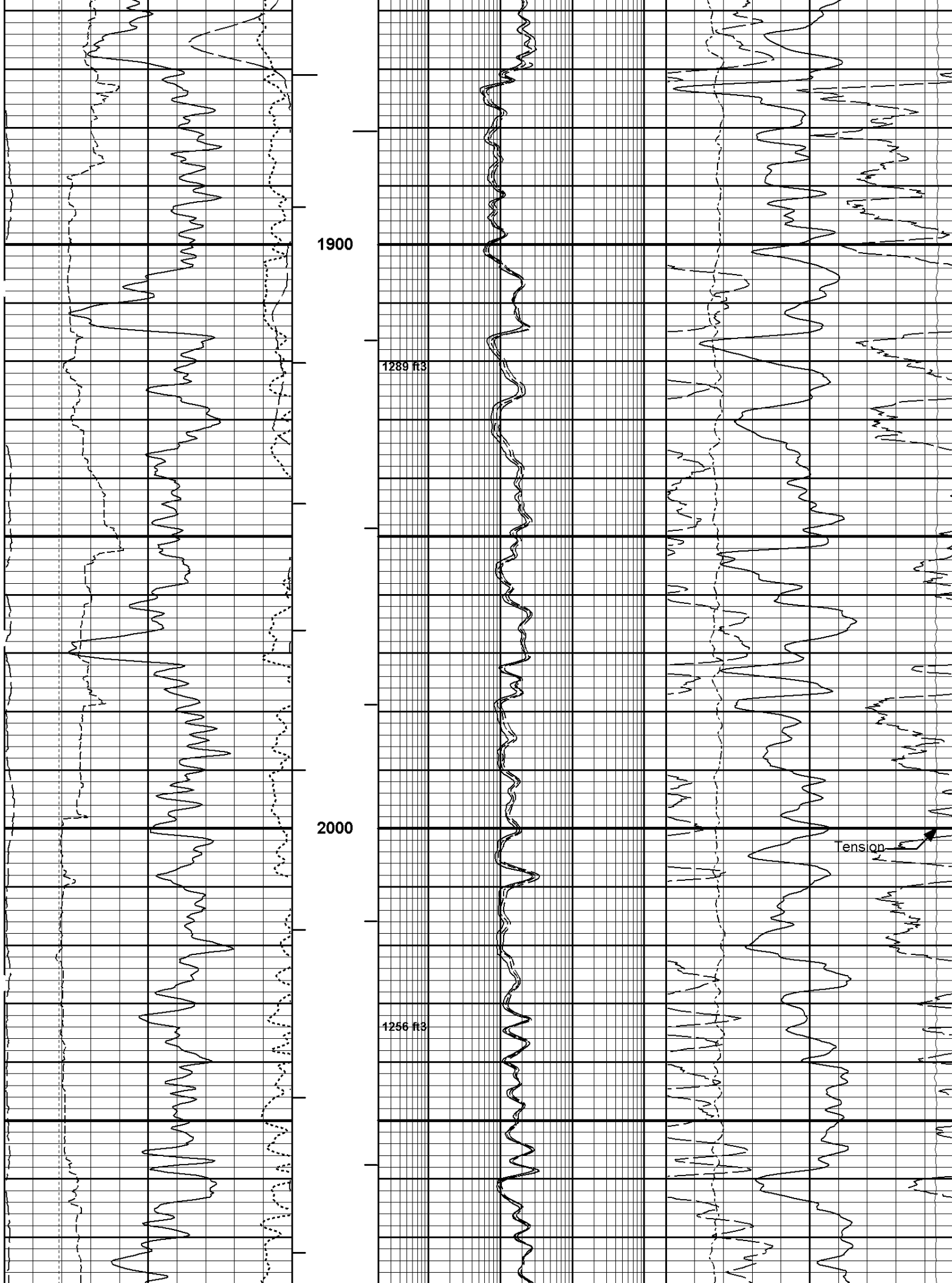
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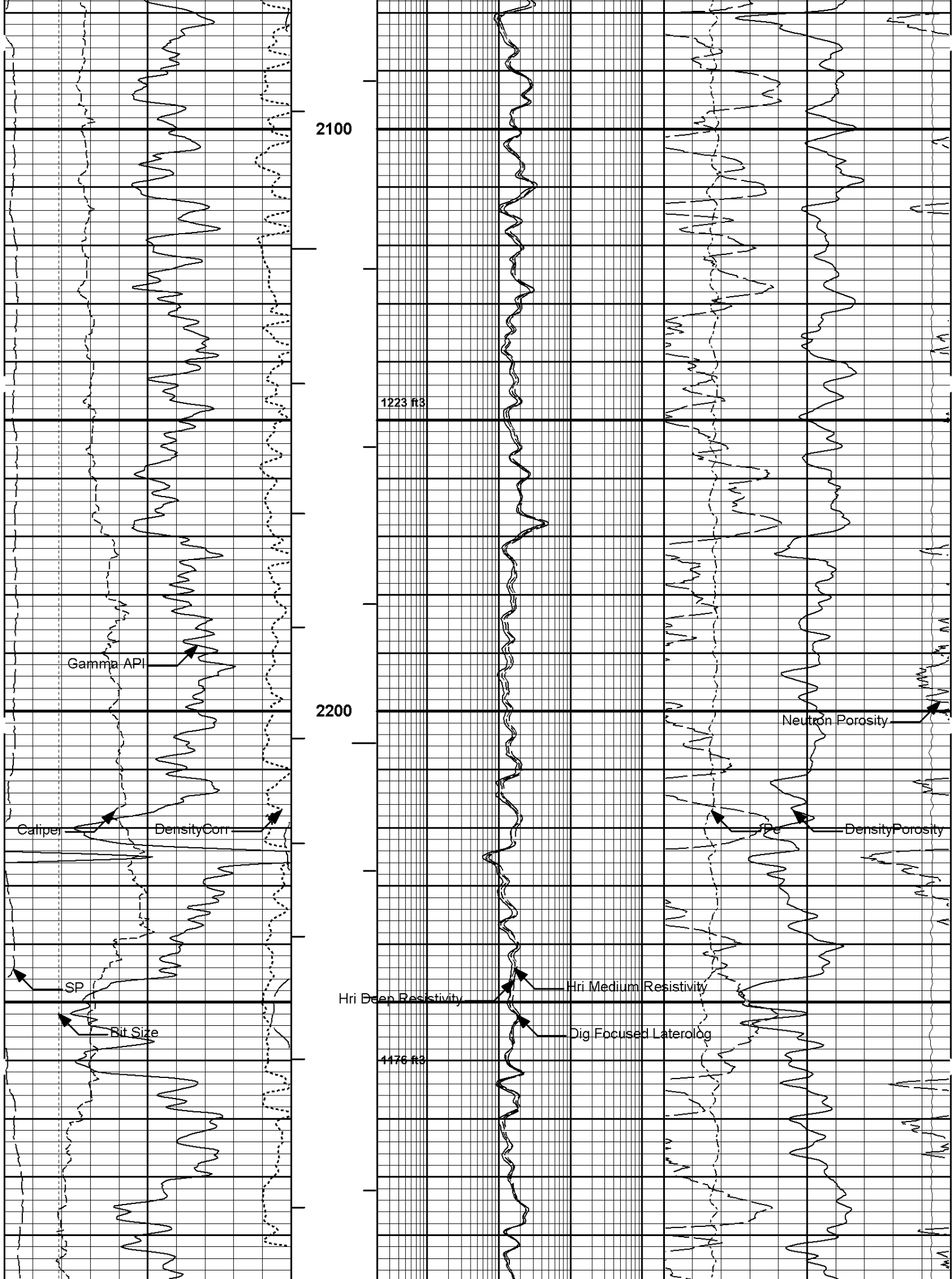


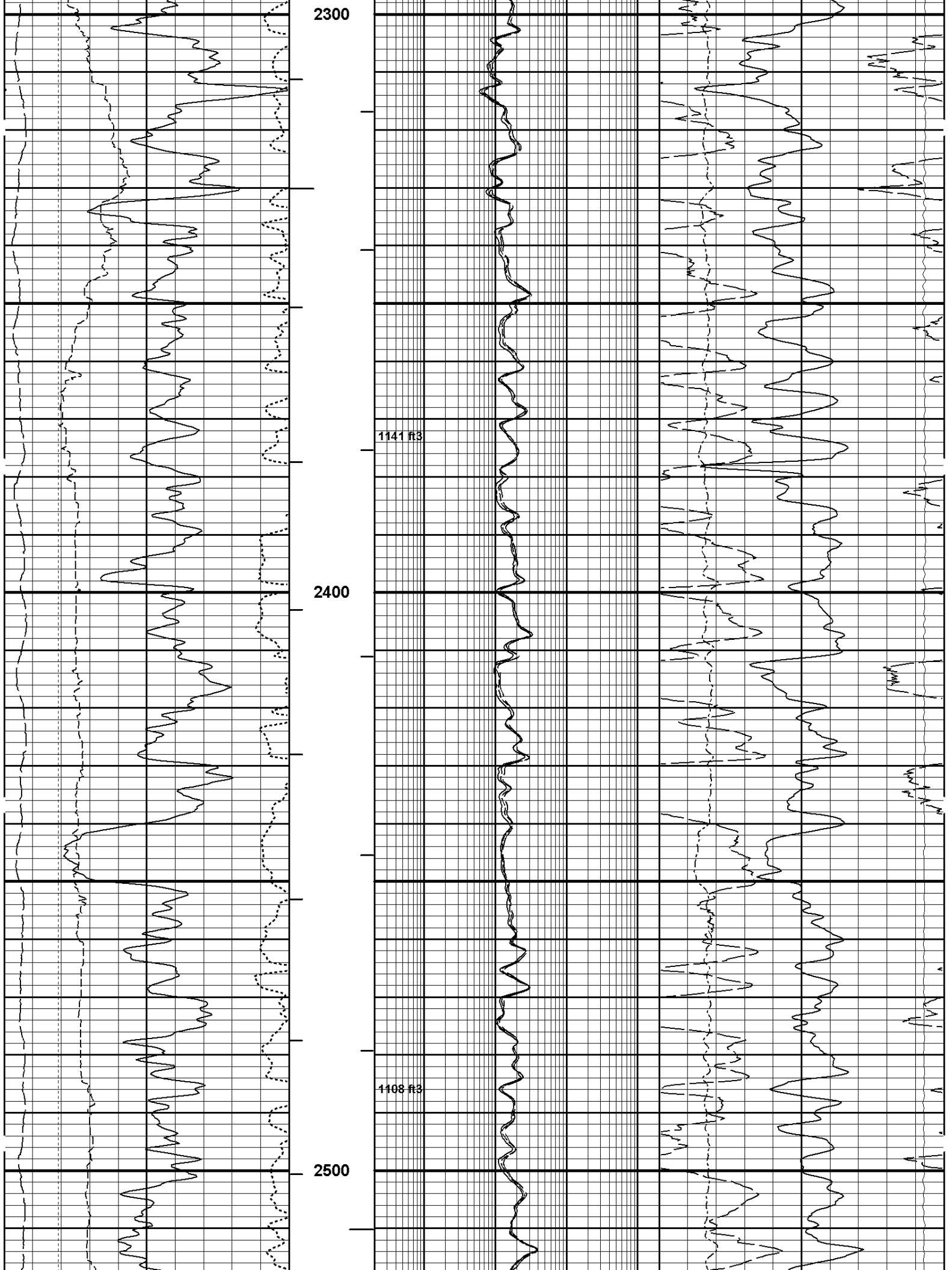
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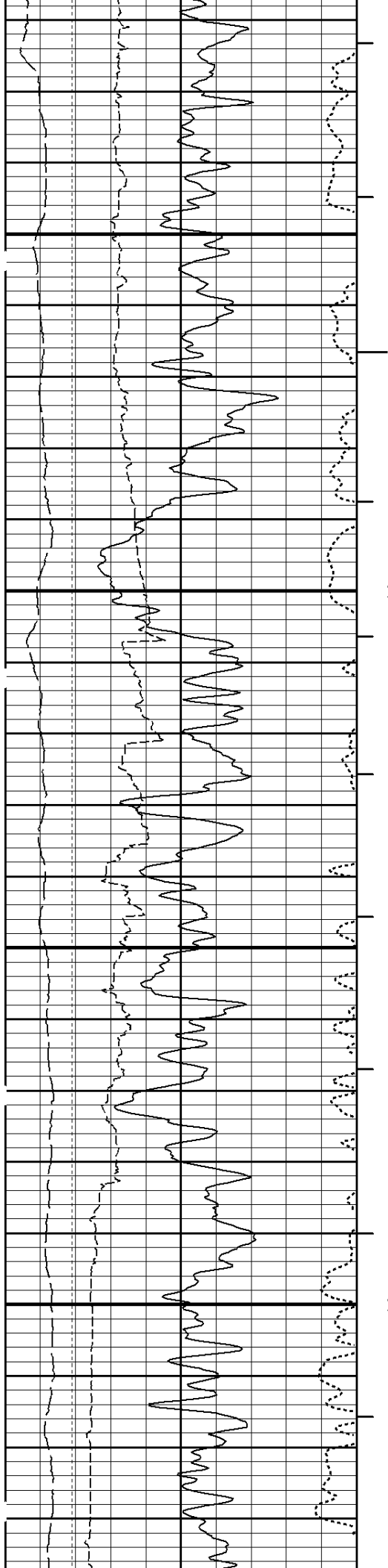










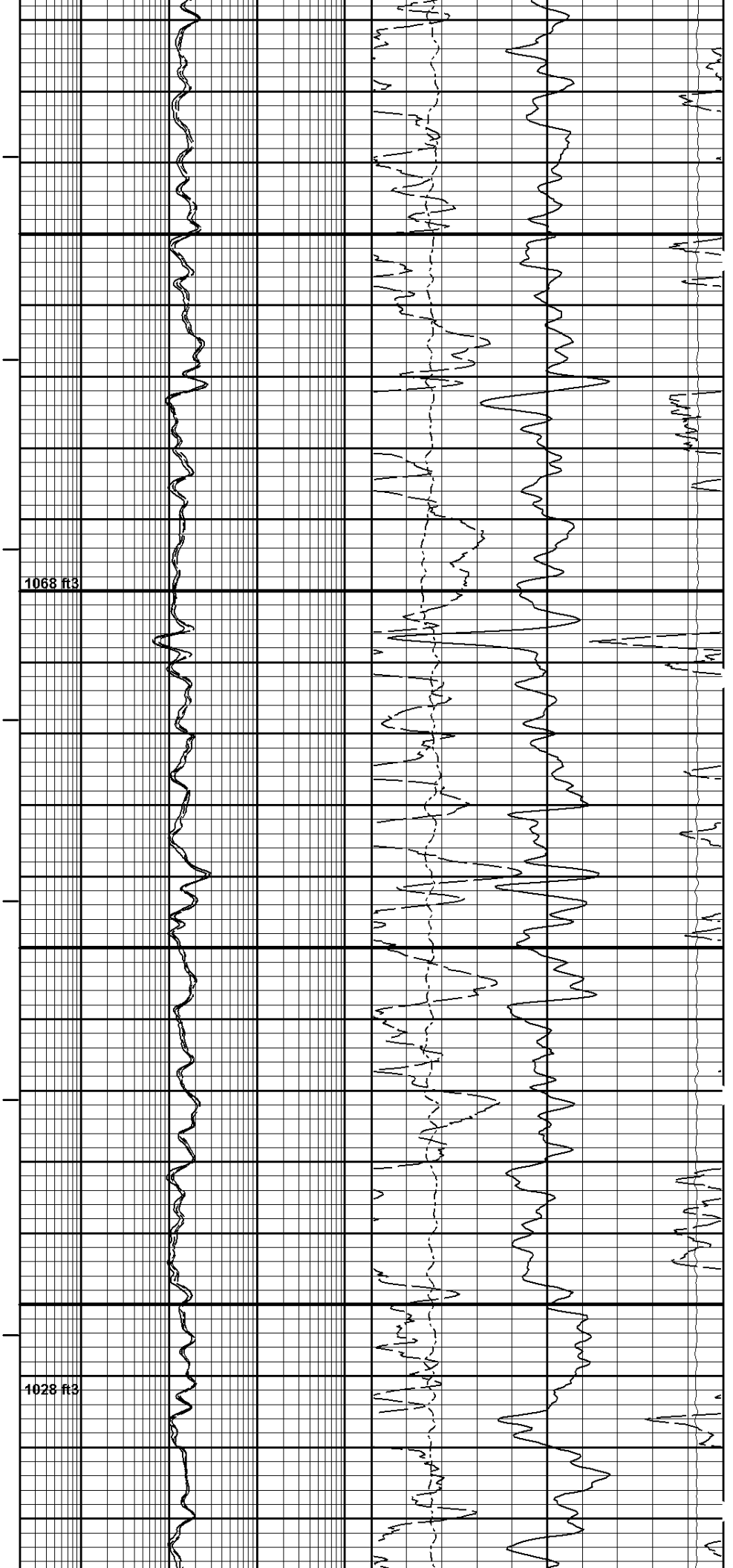


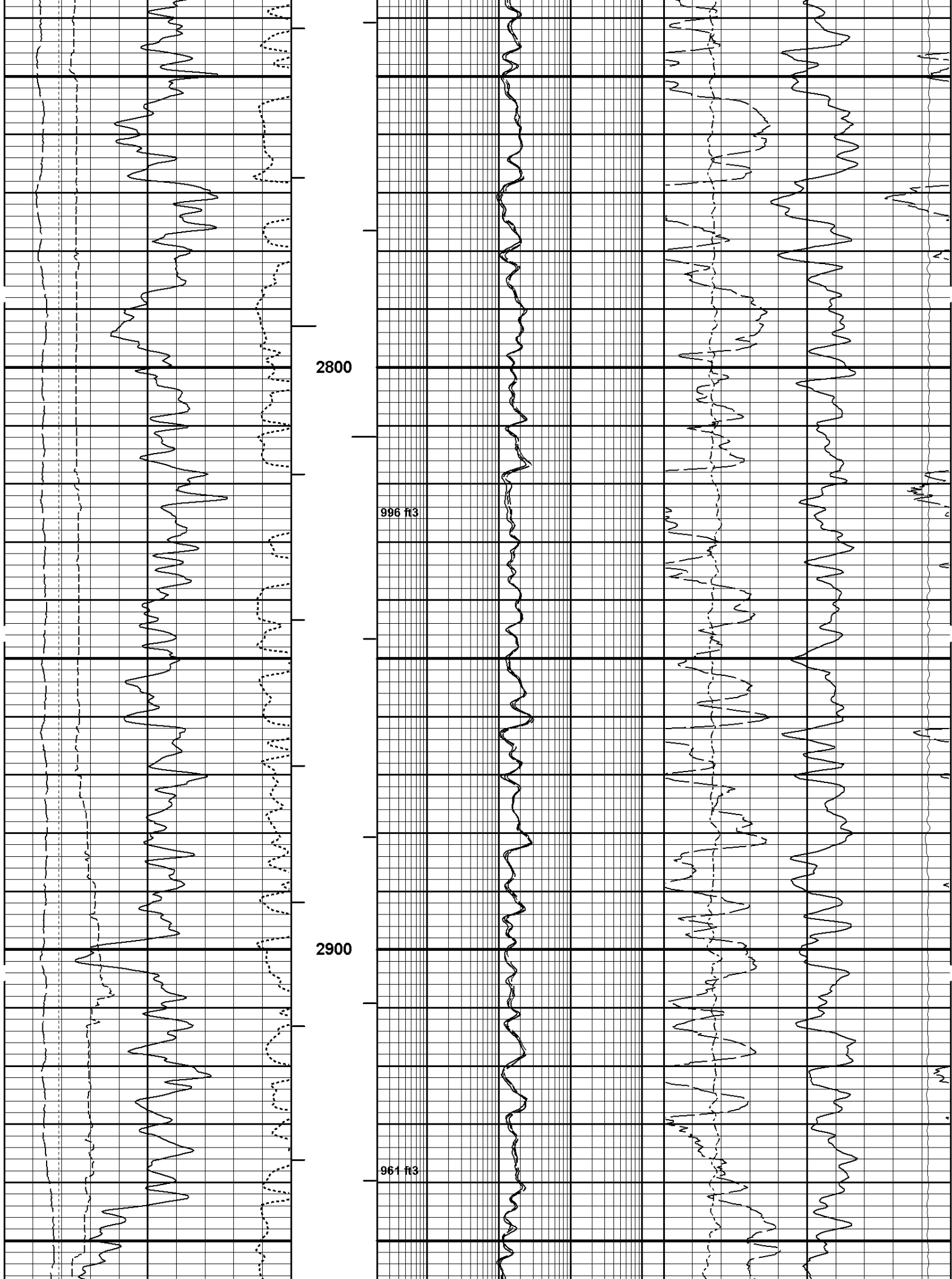
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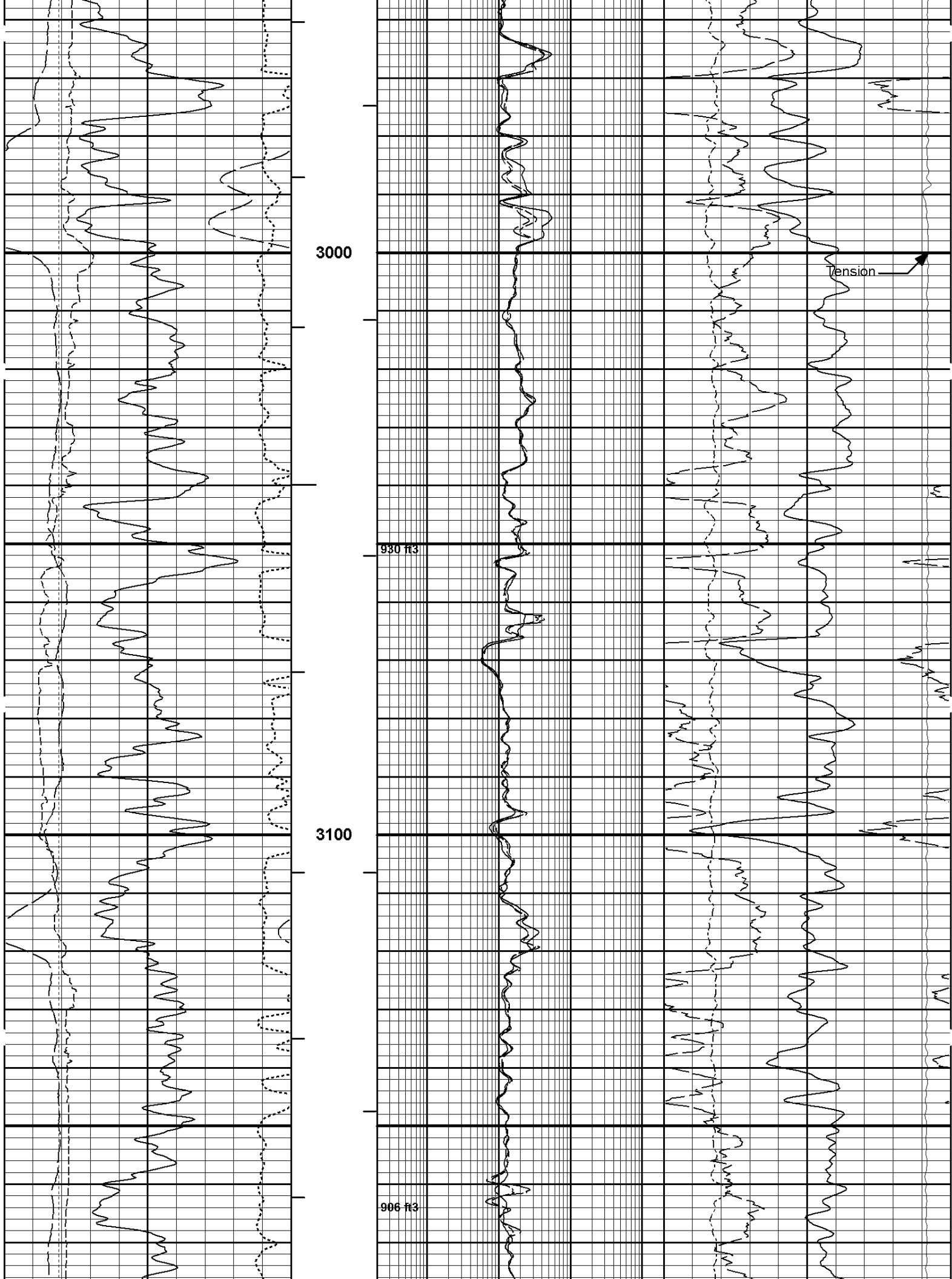
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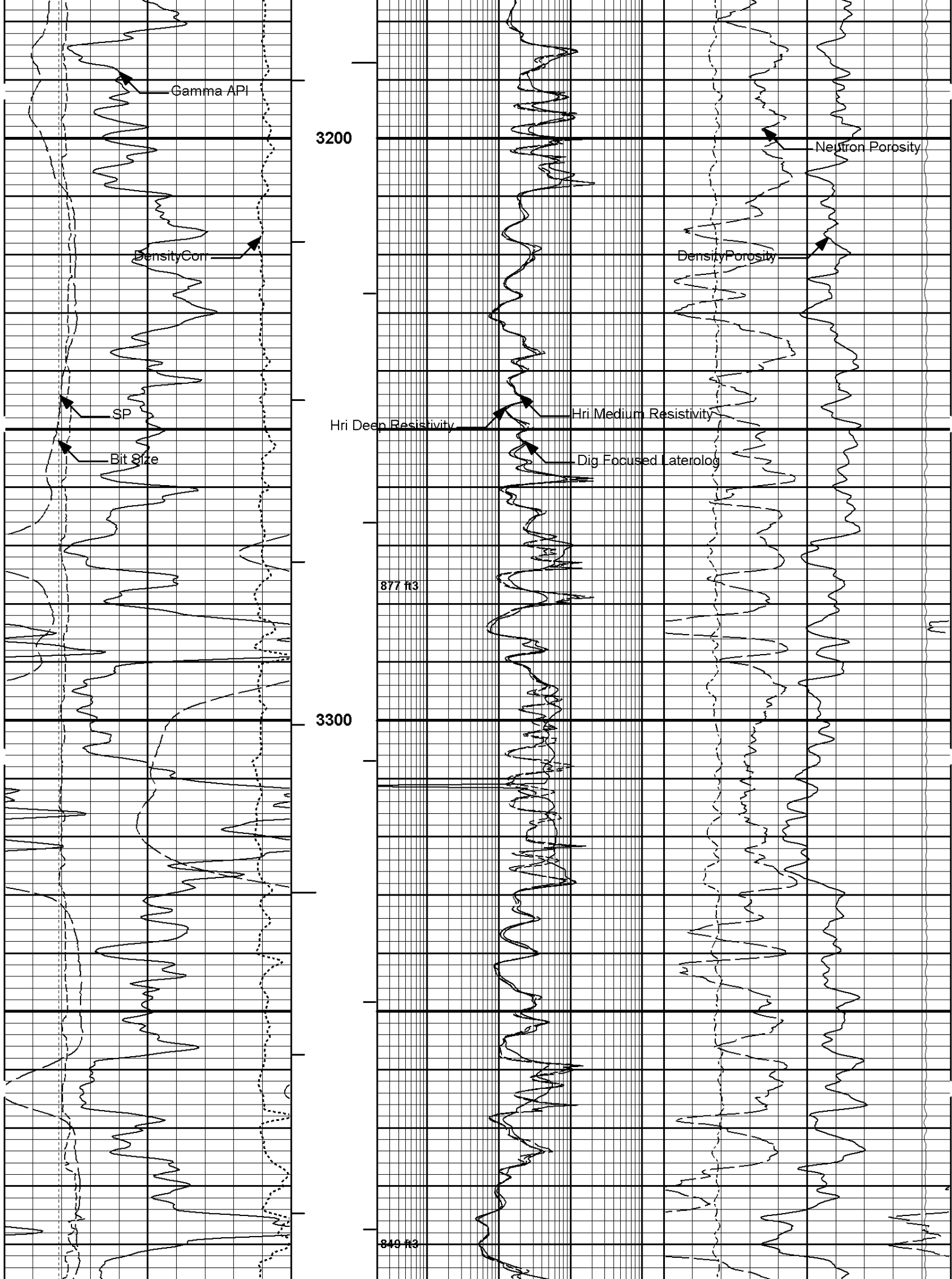
1068 ft3

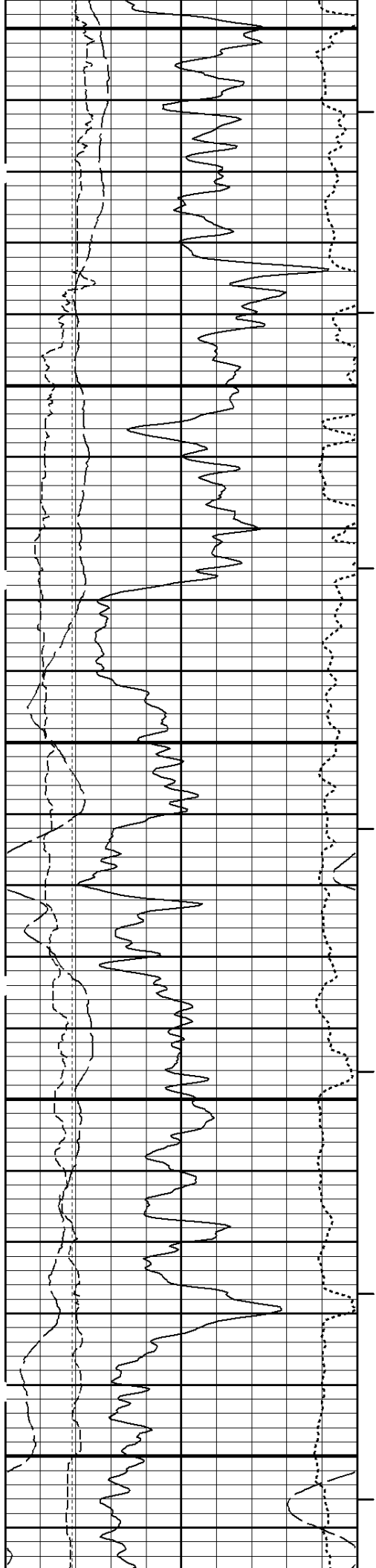
1028 ft3







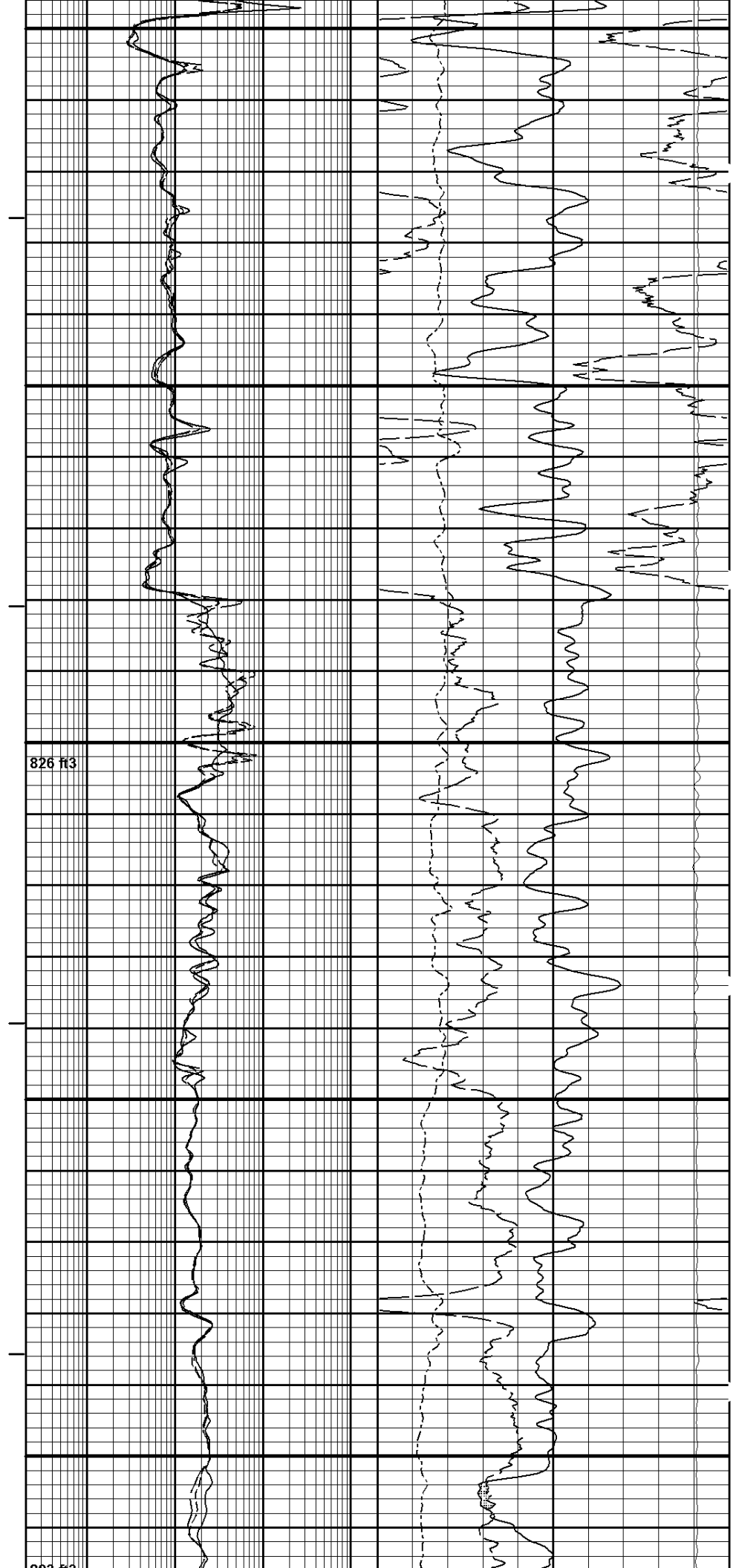




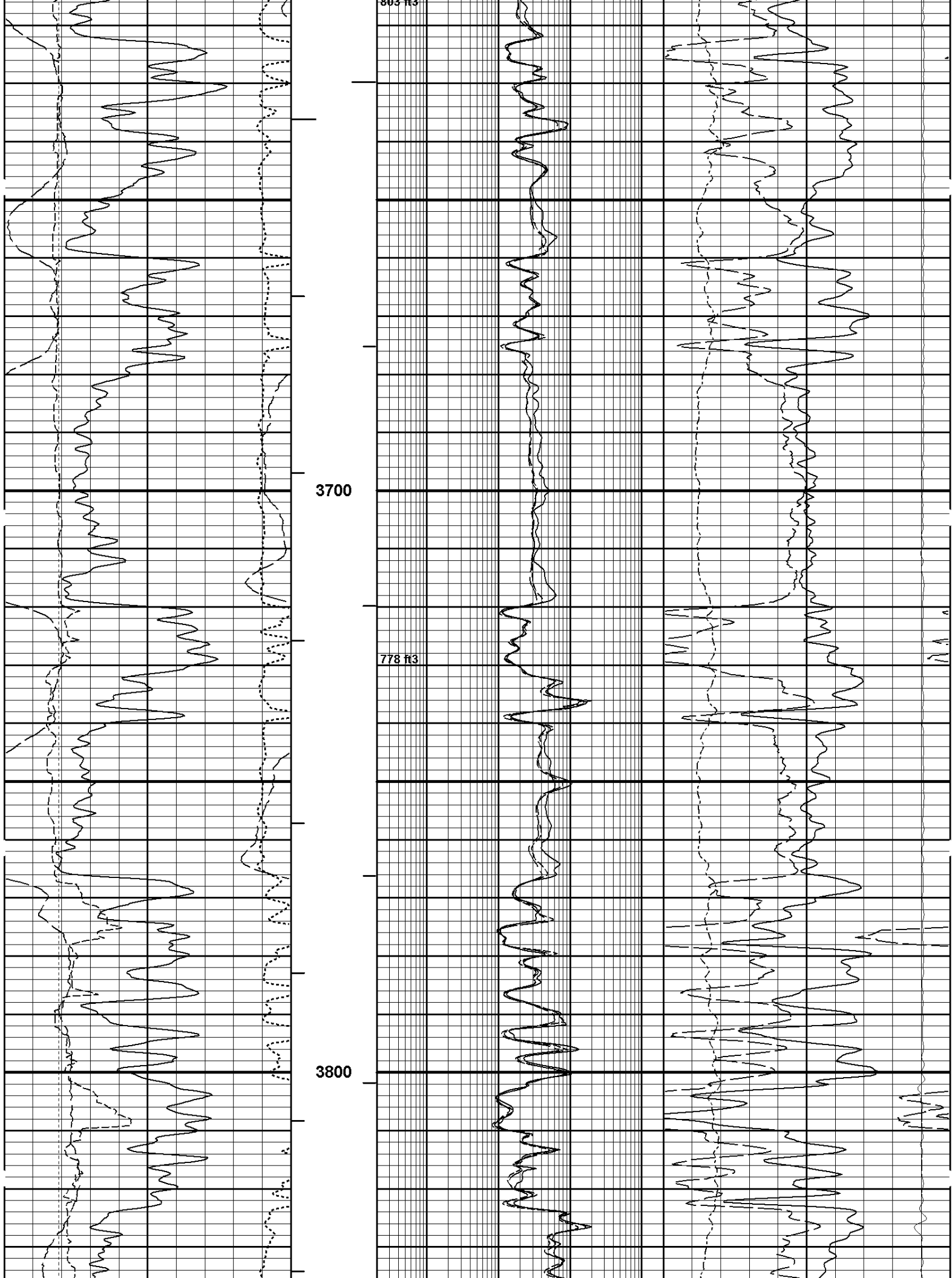
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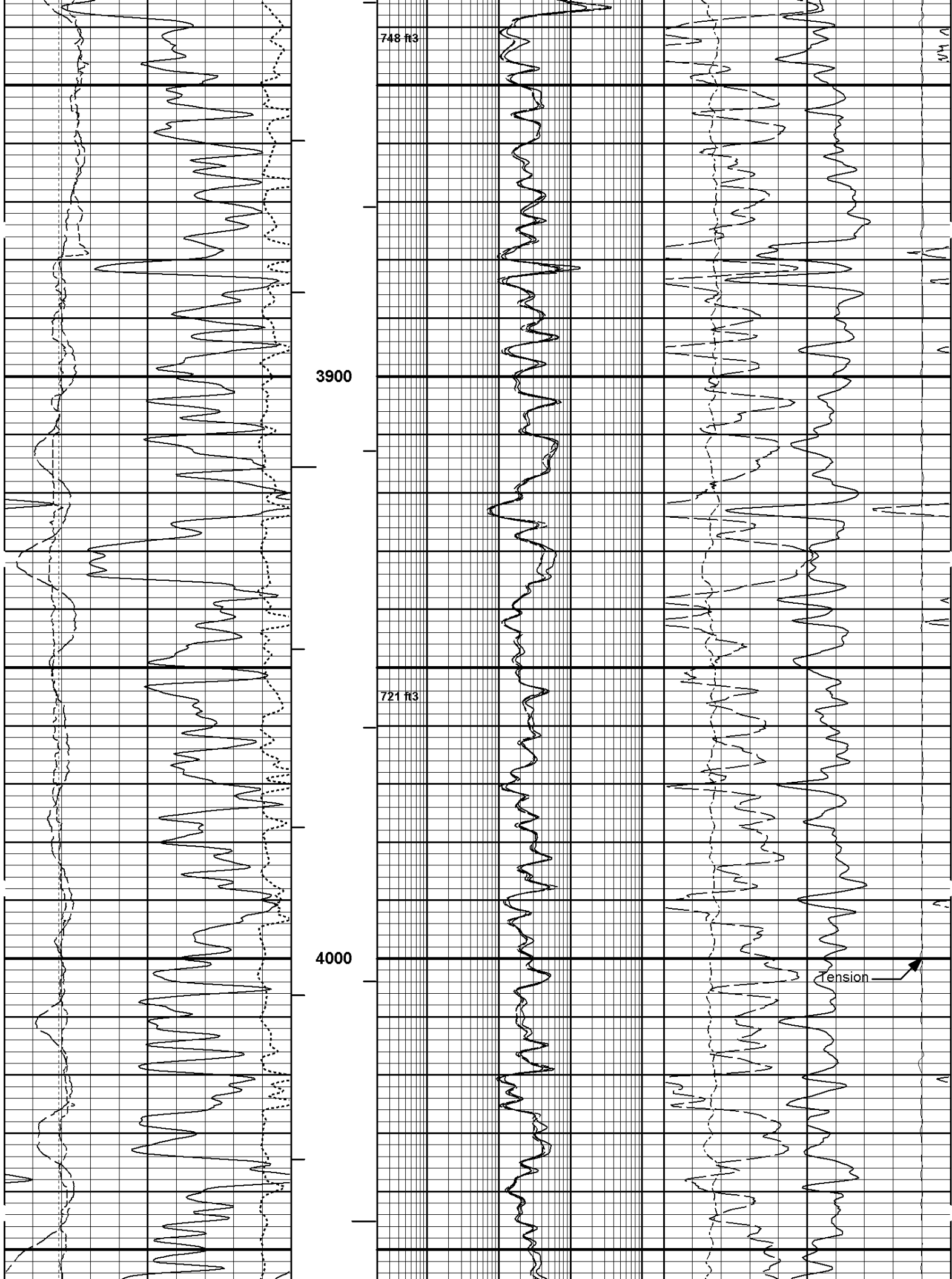
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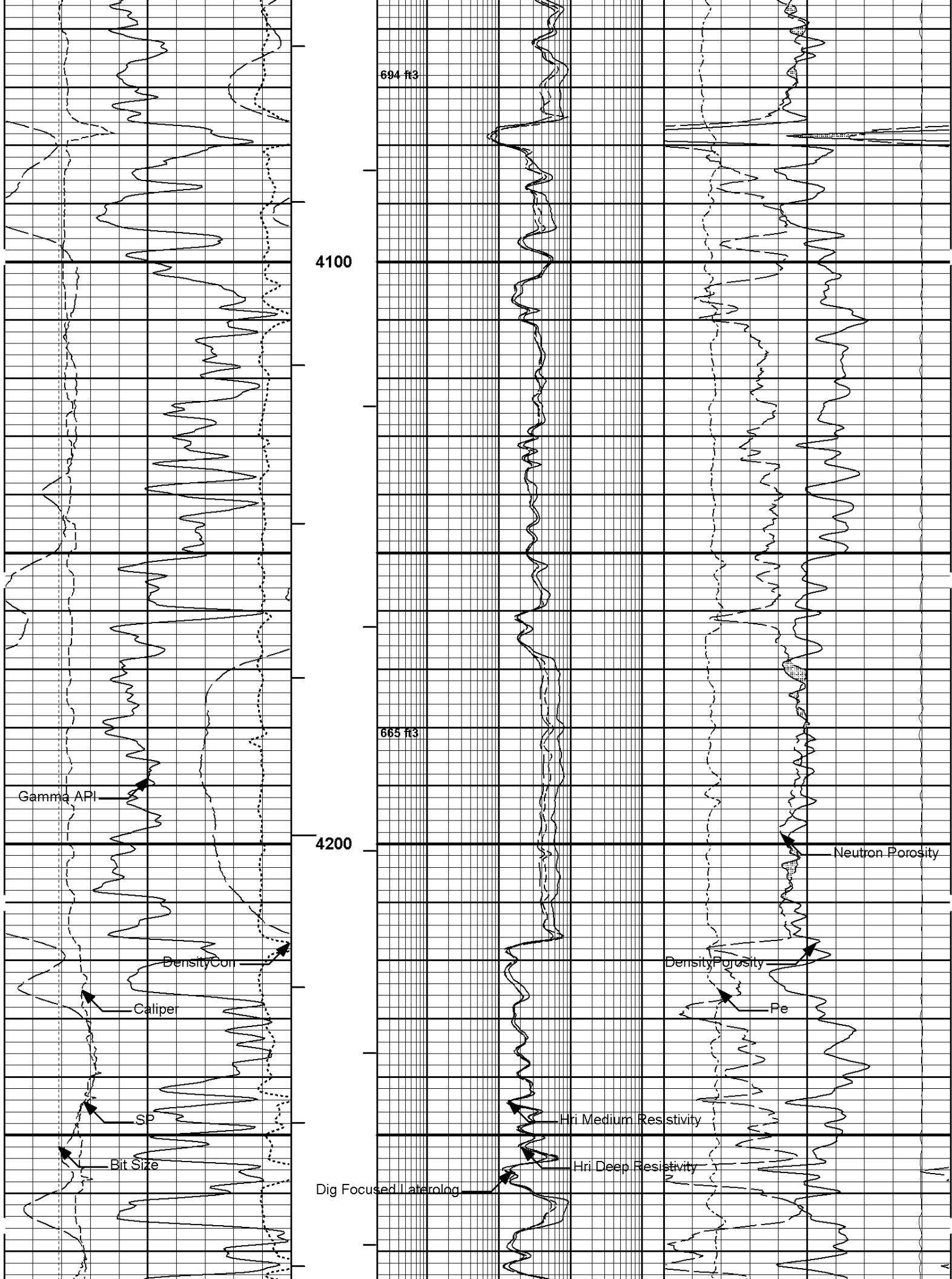
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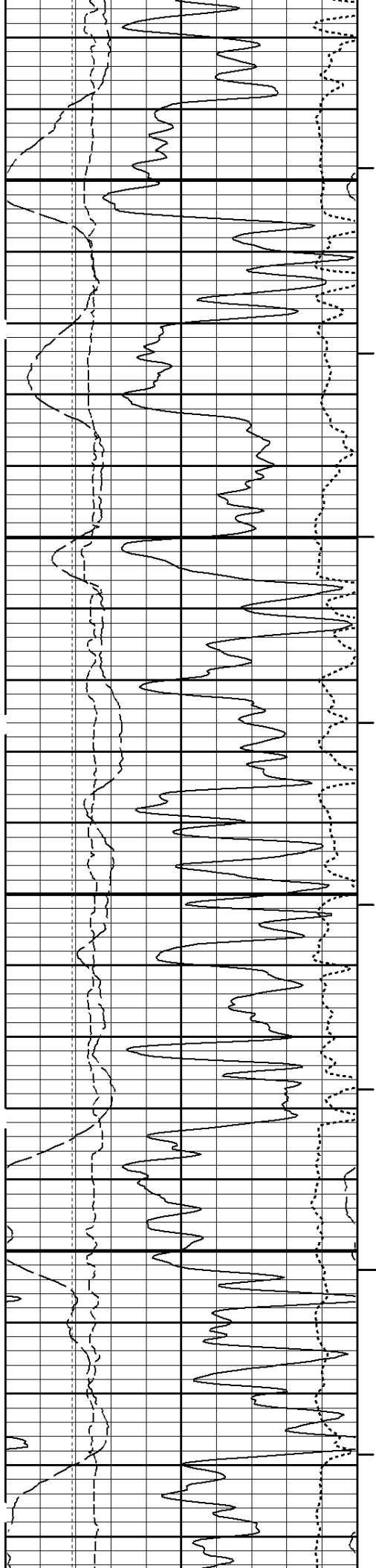


826 ft3







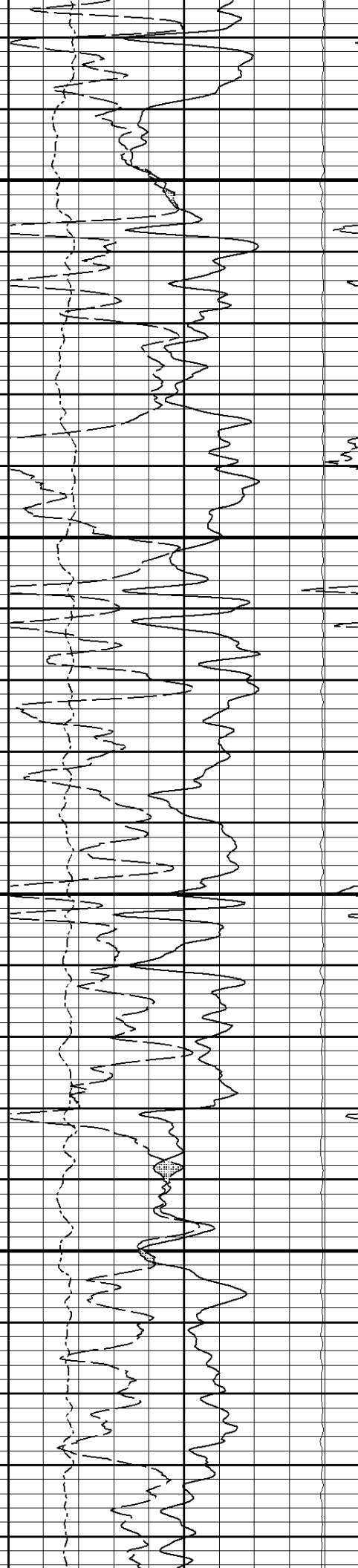
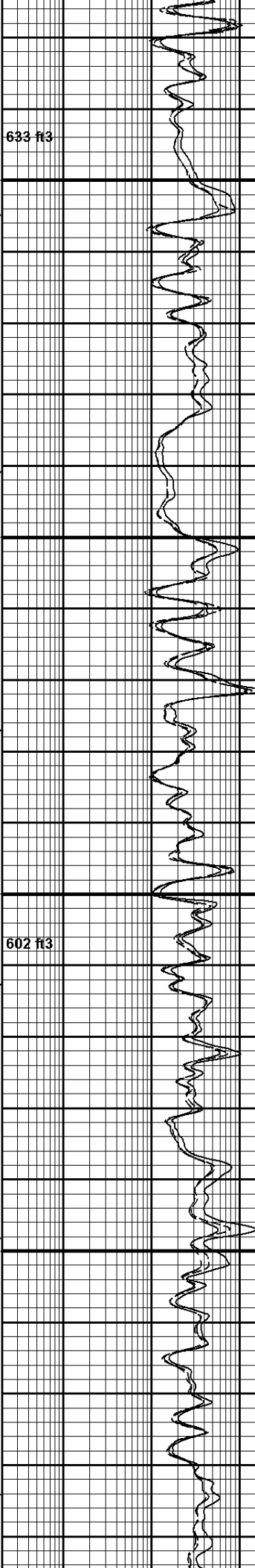


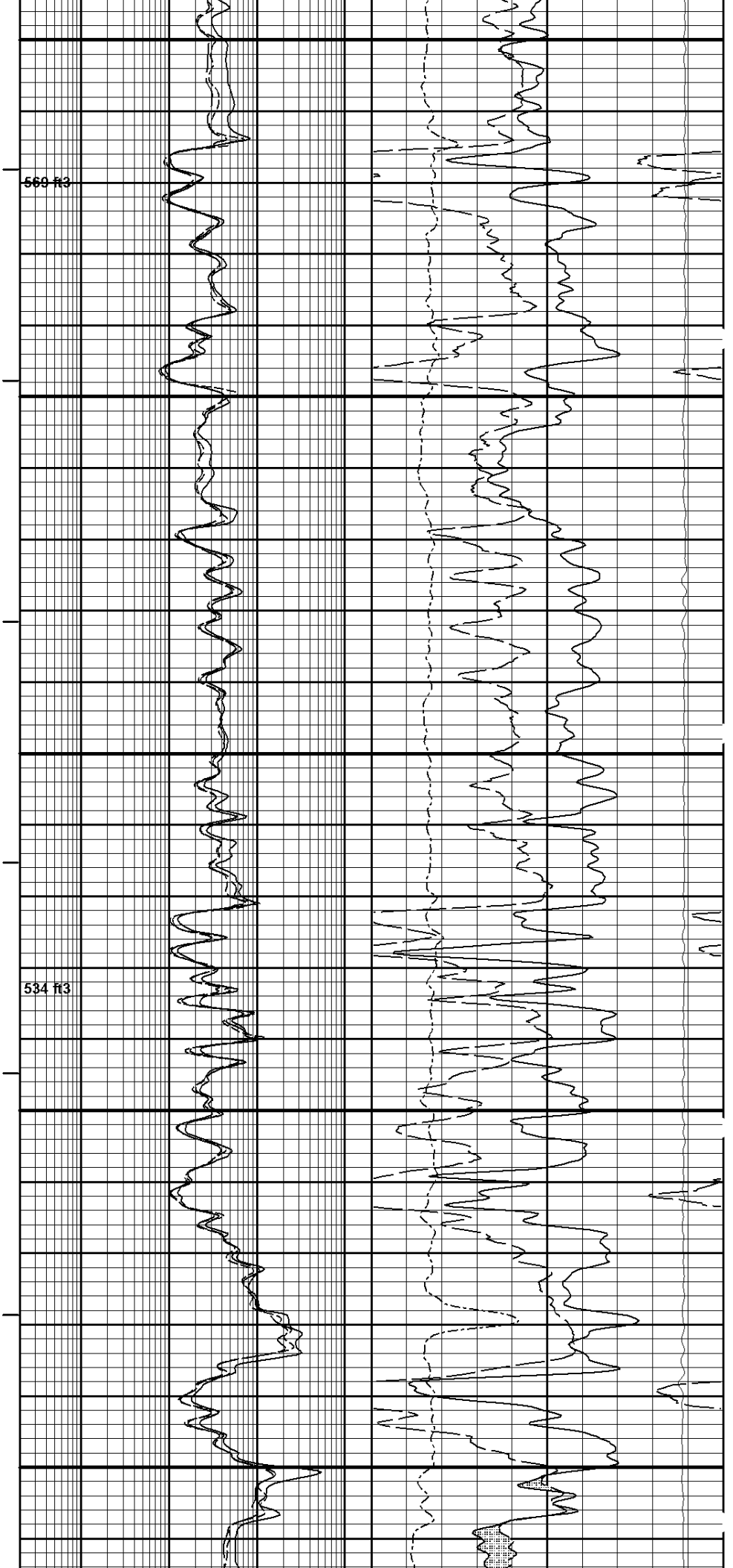
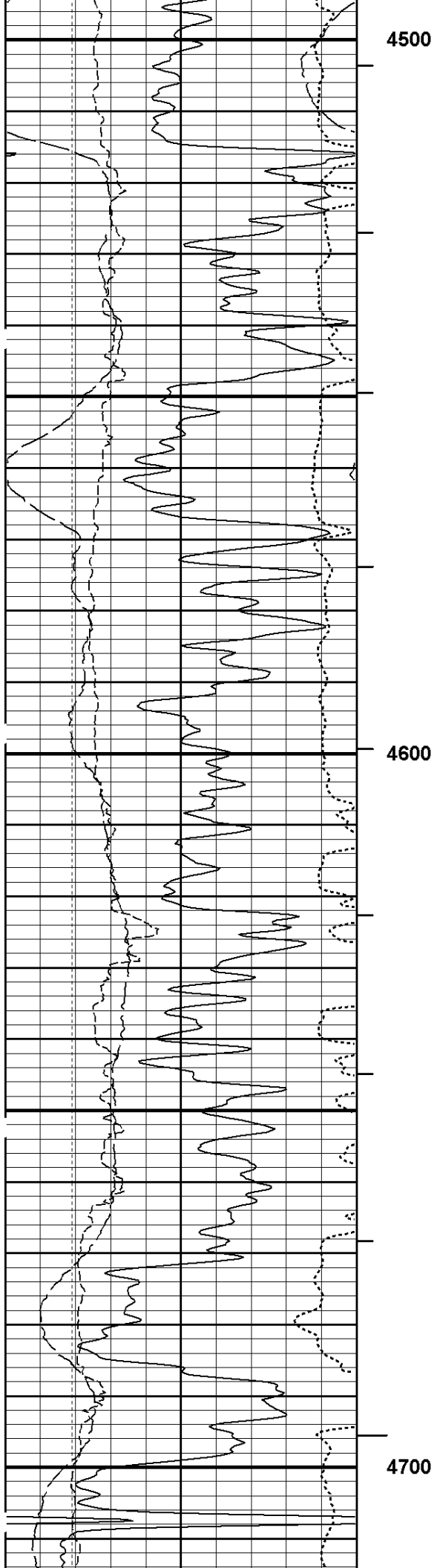
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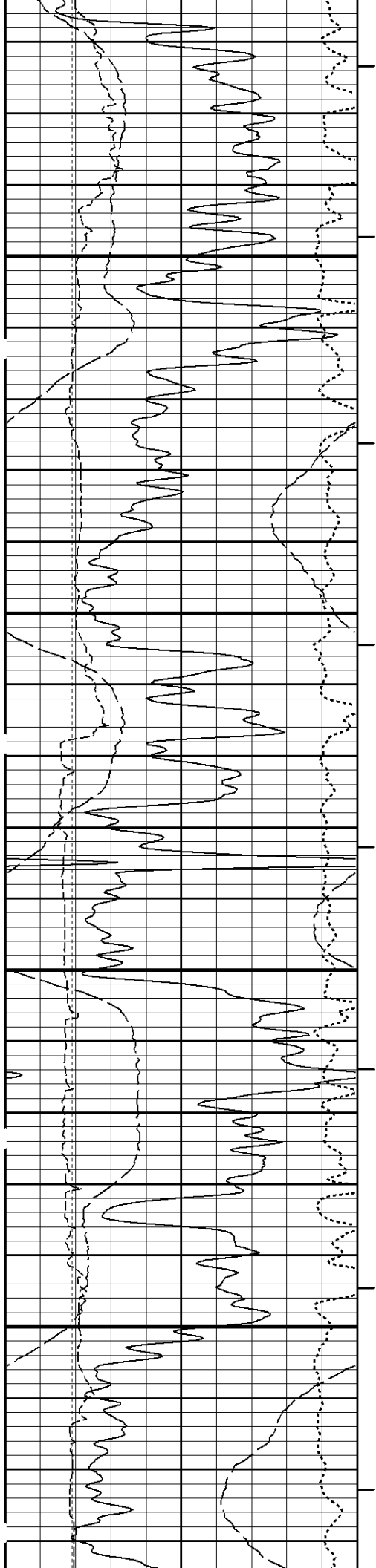
633 ft3

4400

602 ft3





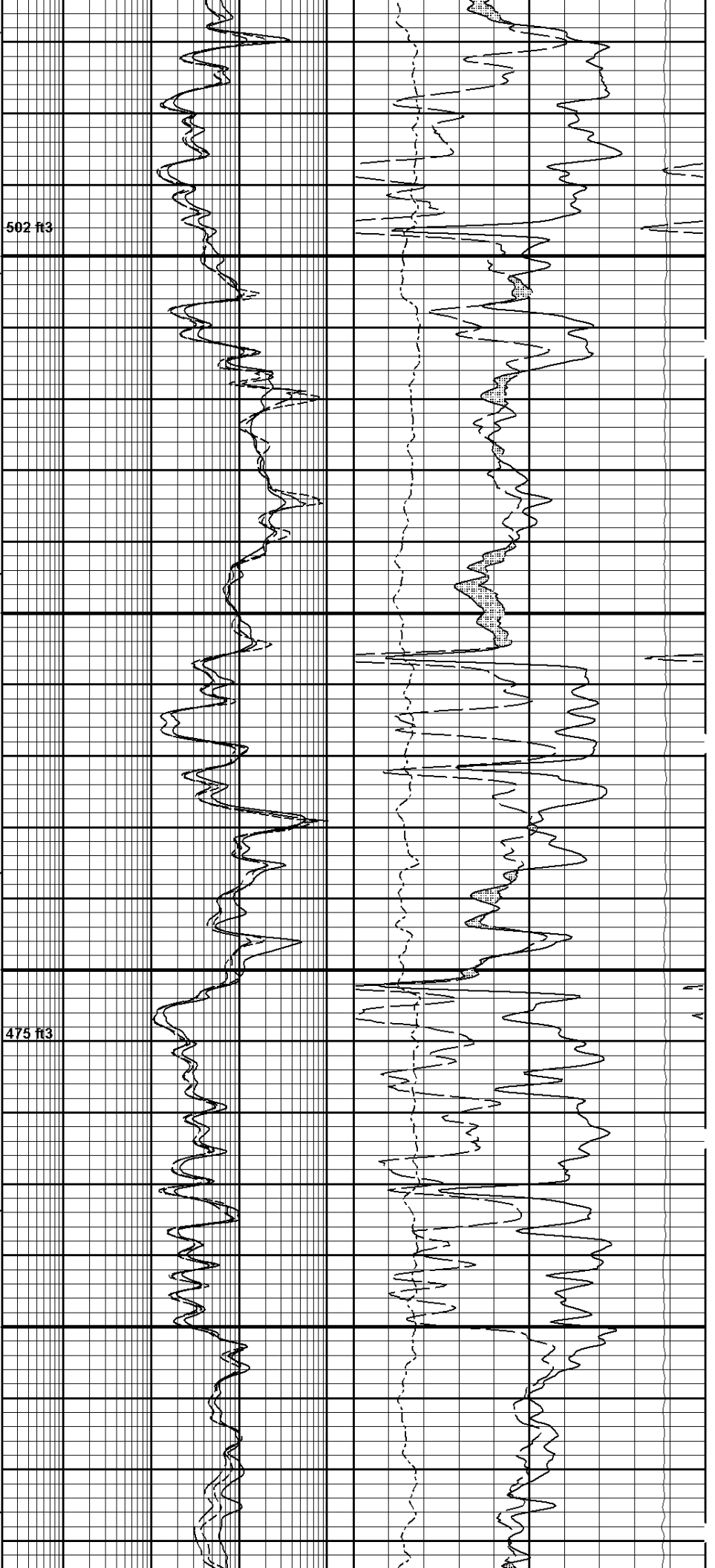


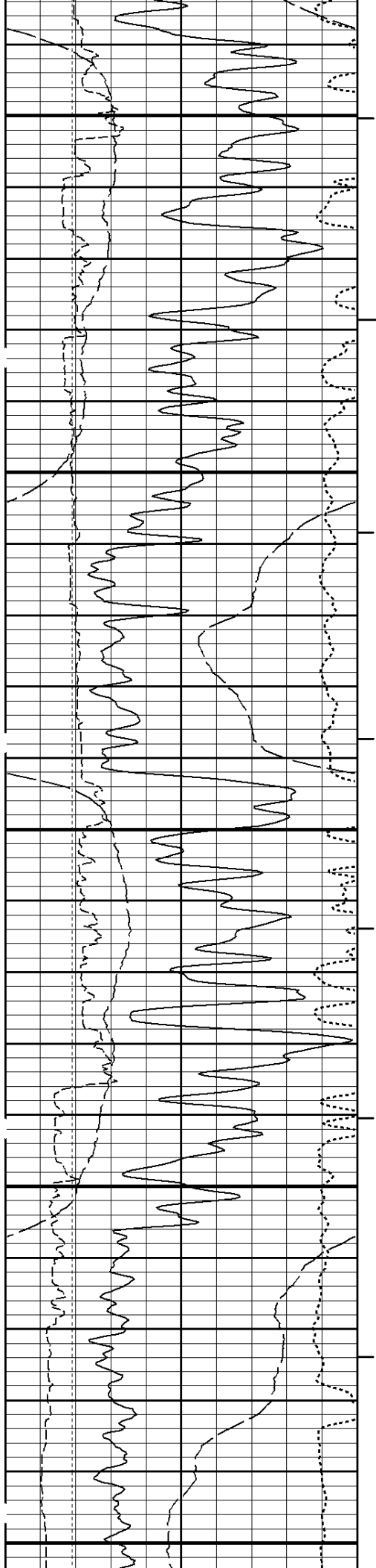
4800

4900

502 ft

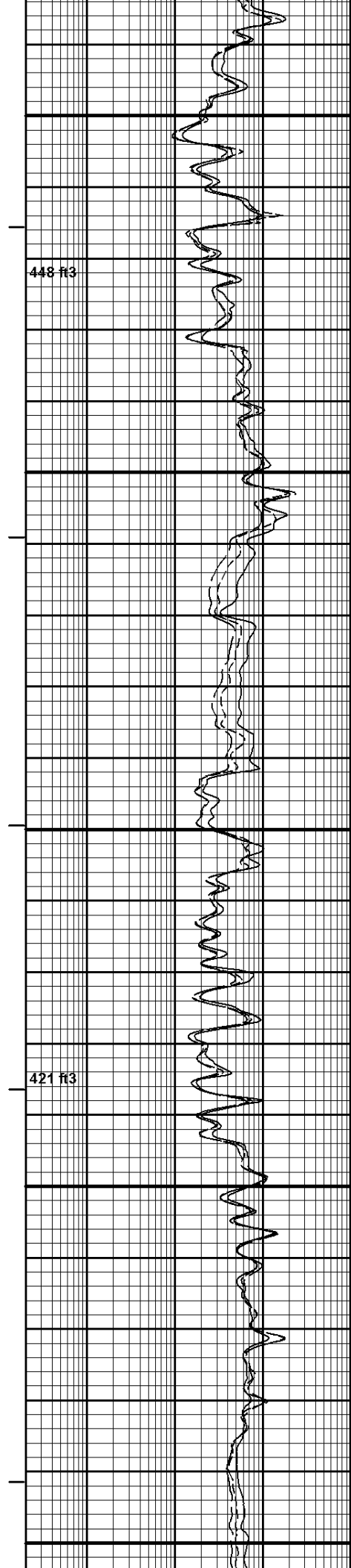
475 ft





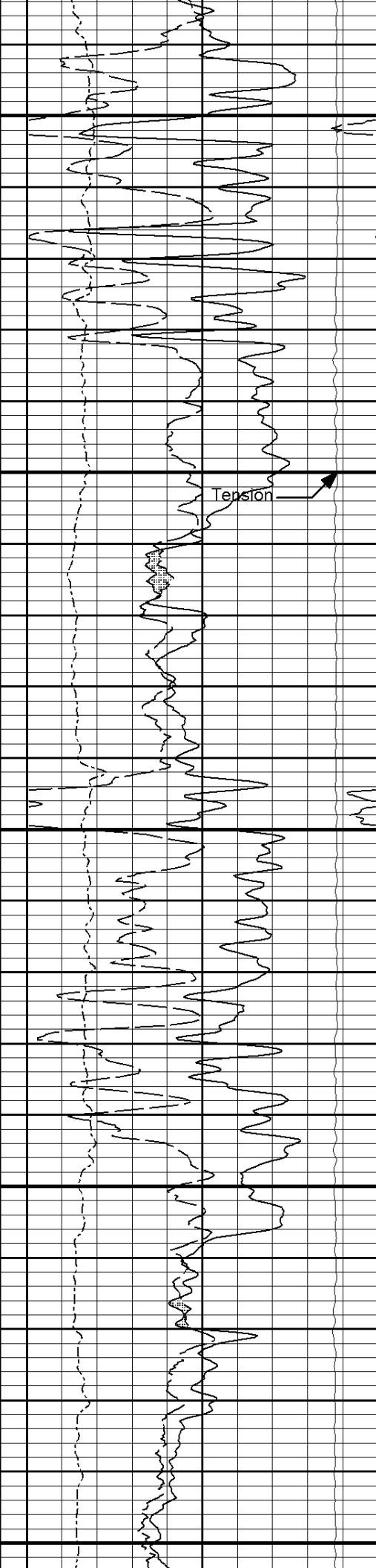
5000

5100

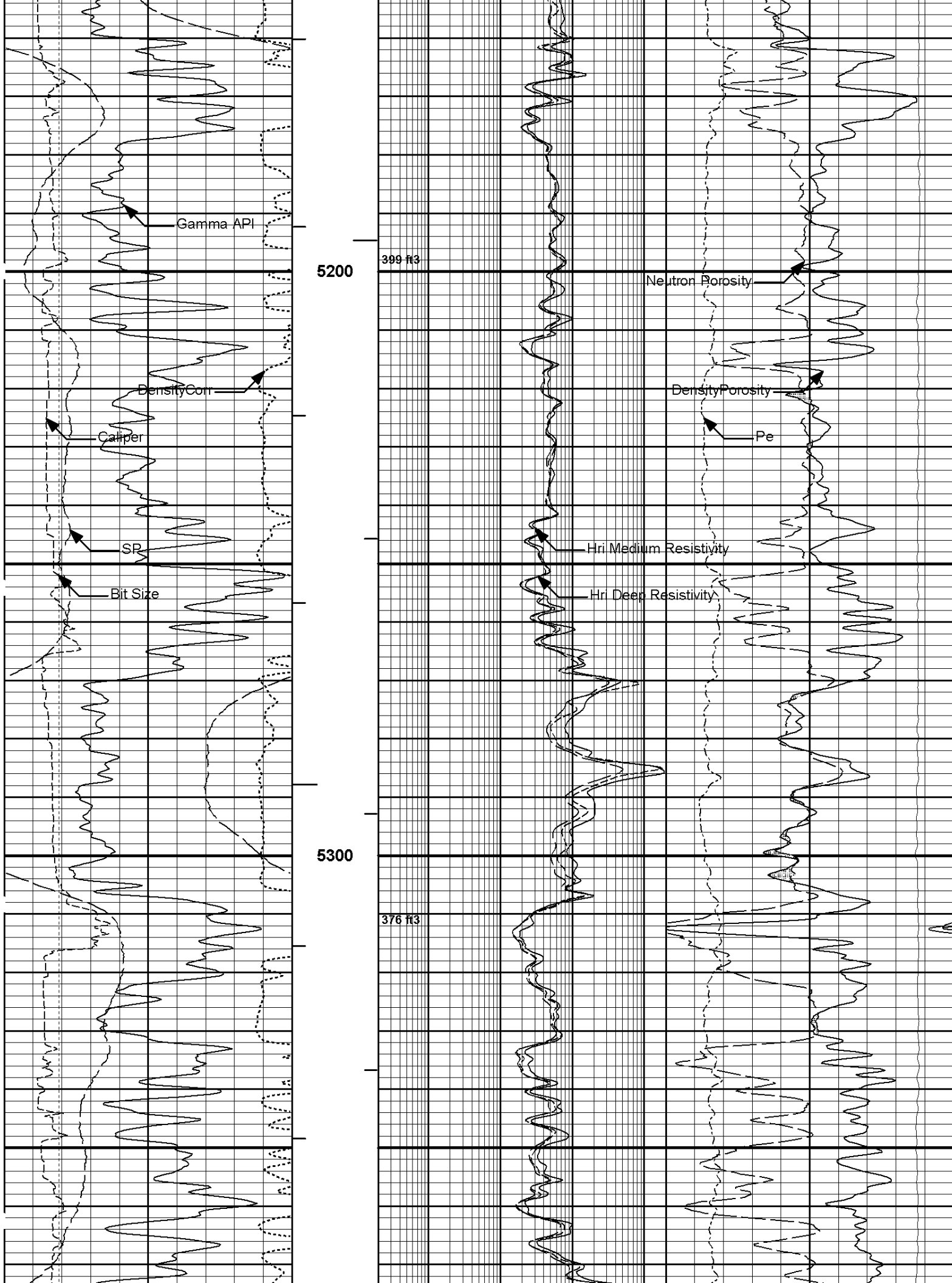


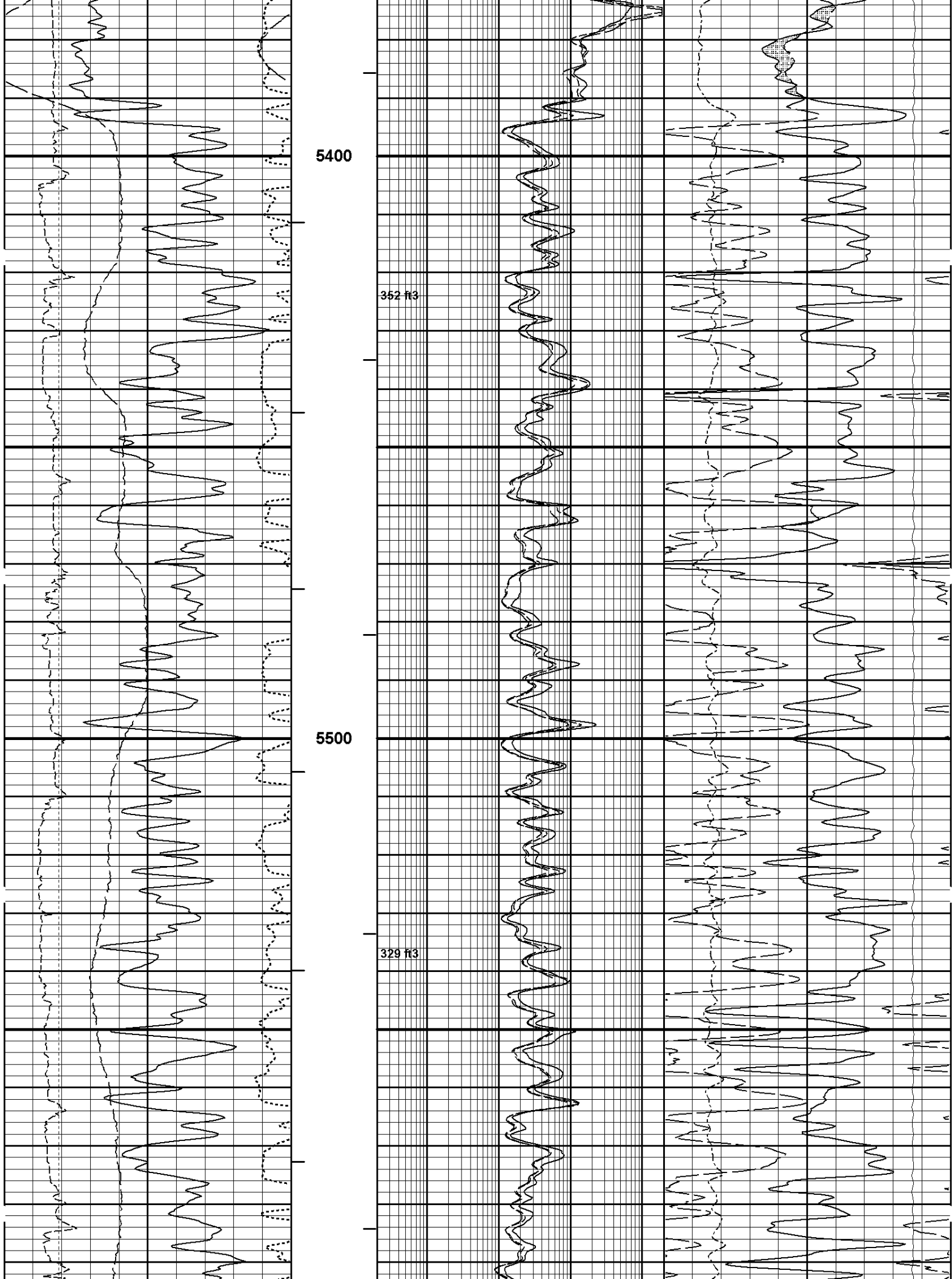
448 ft3

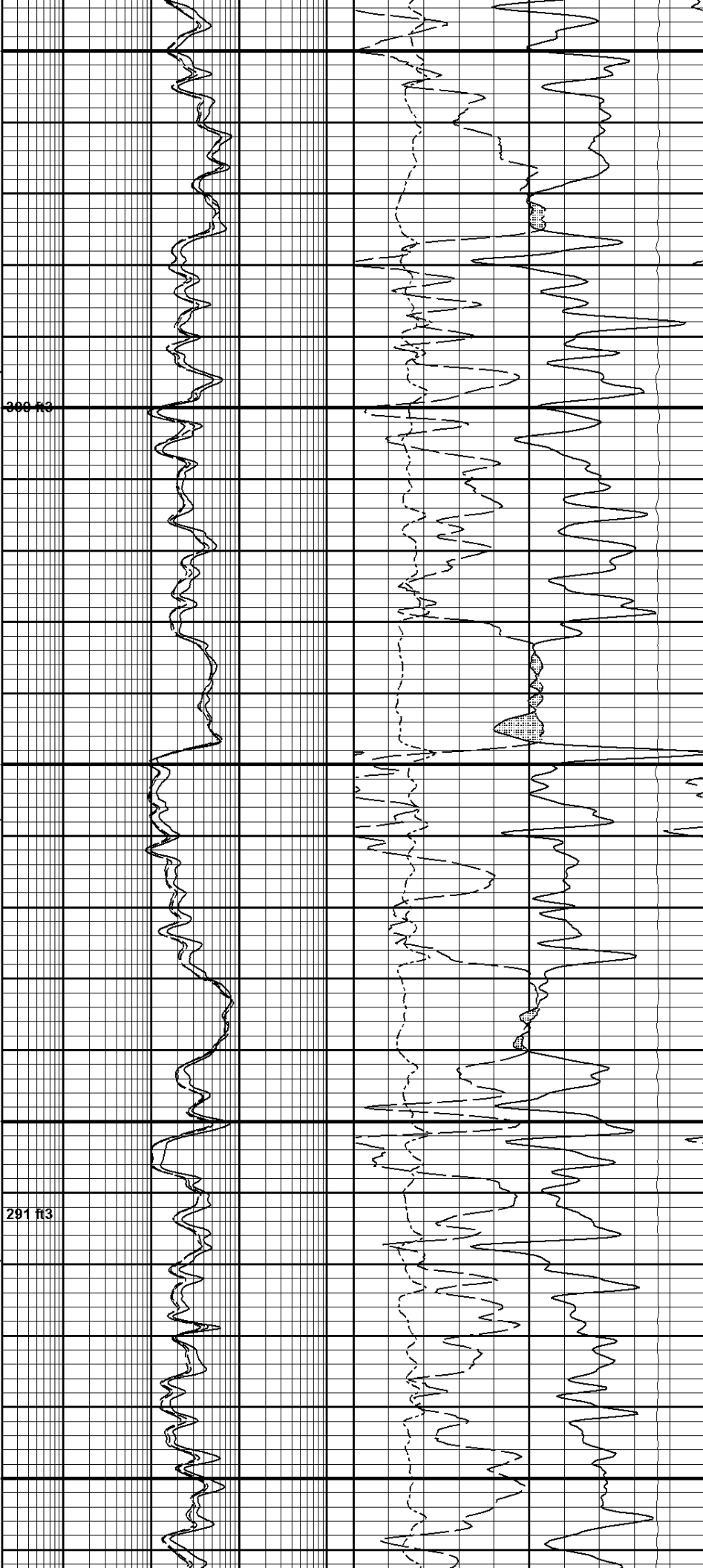
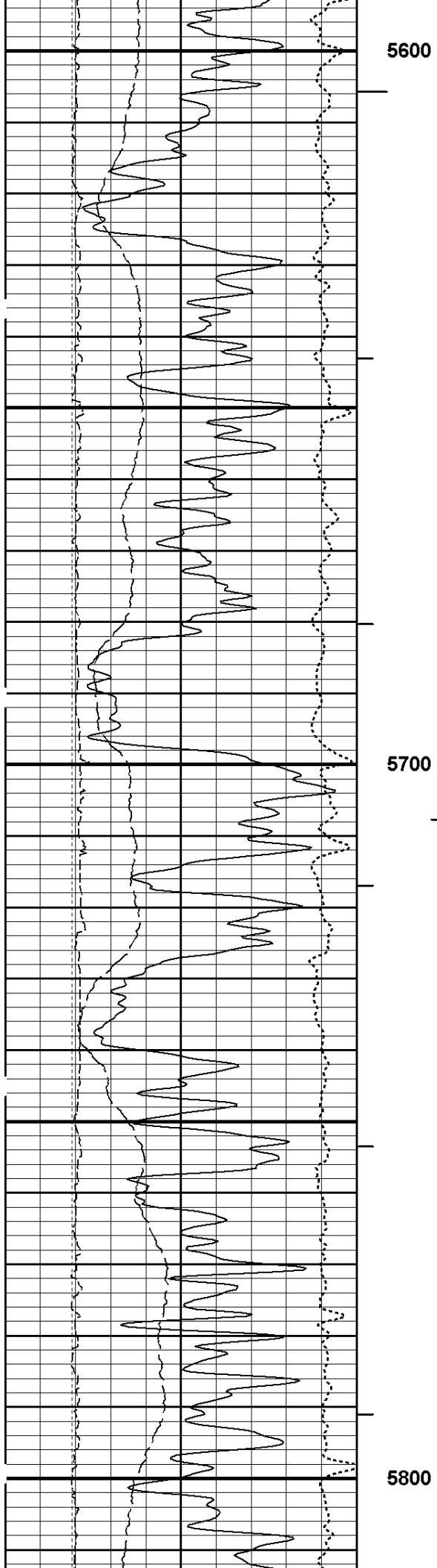
421 ft3

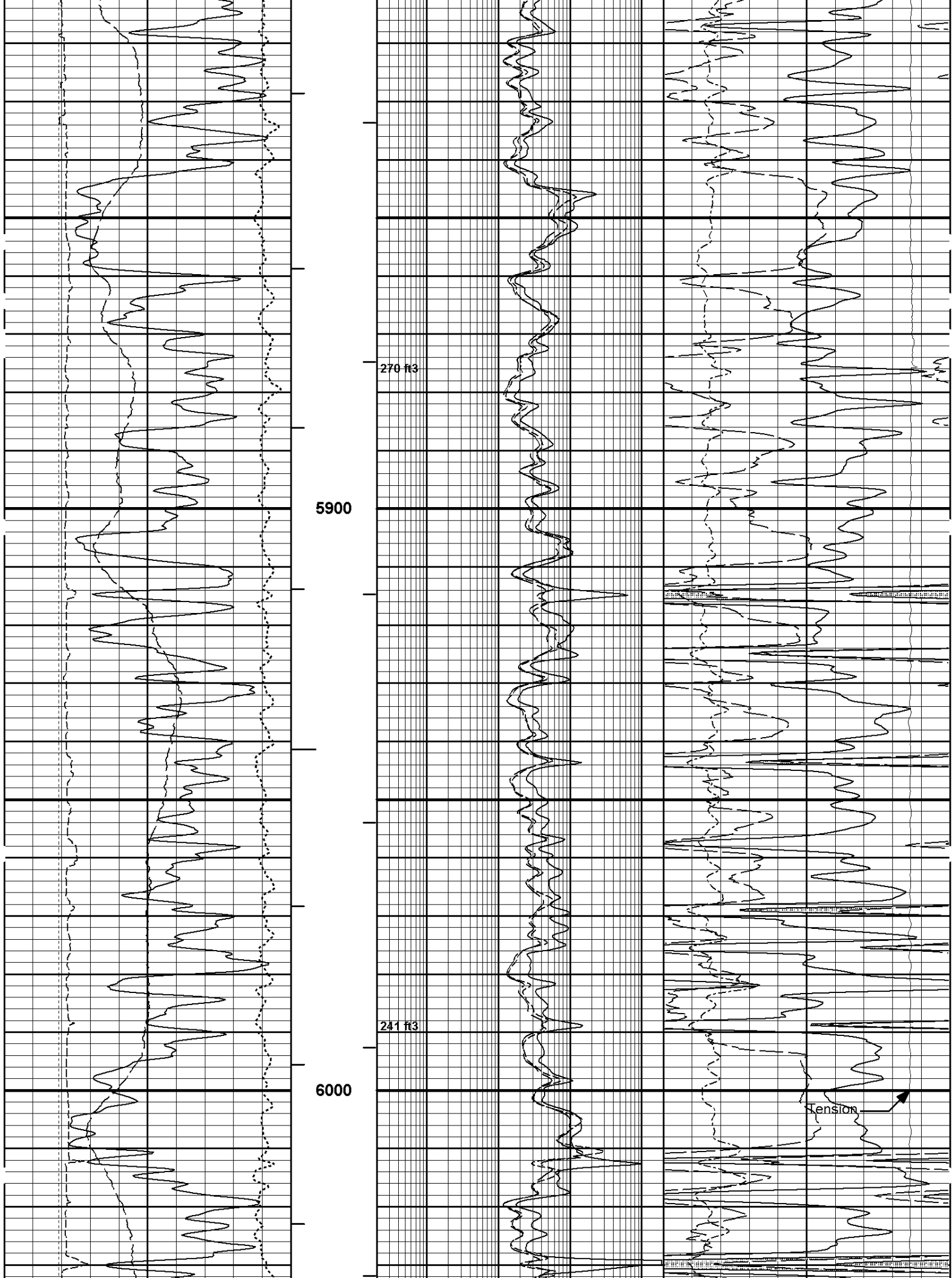


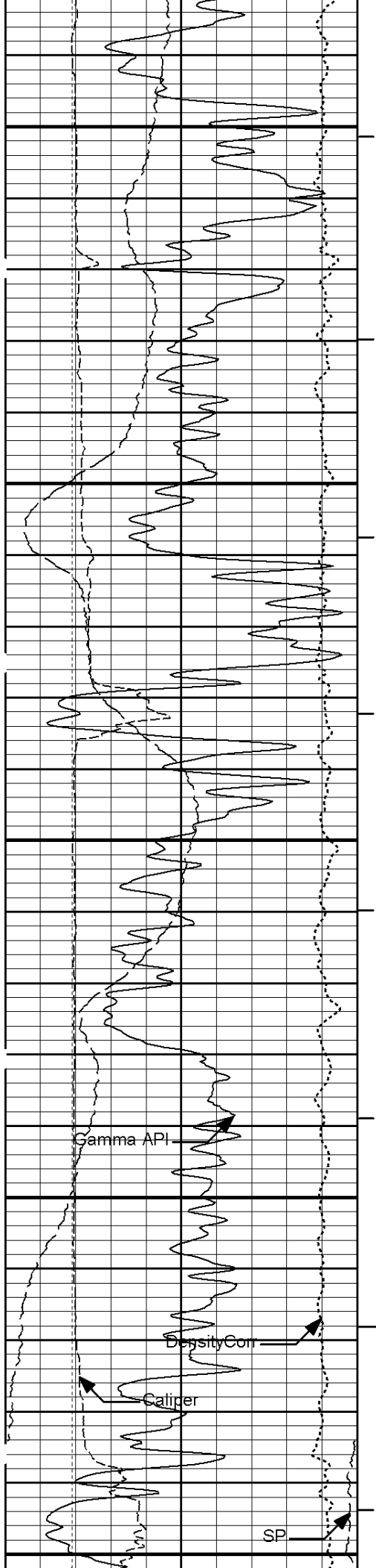
Tension





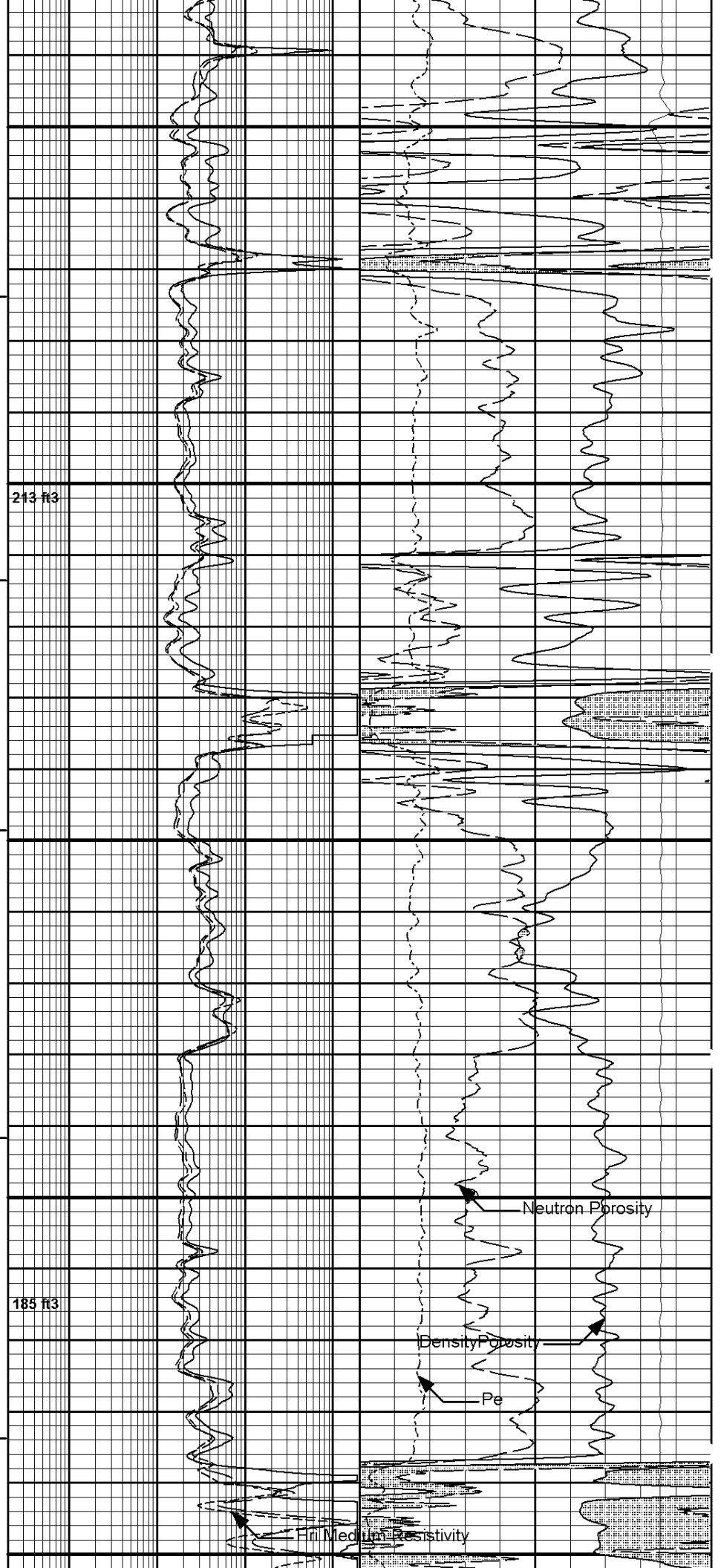






6100

6200



213 ft3

185 ft3

Bit Size

Hi Deep Resistivity

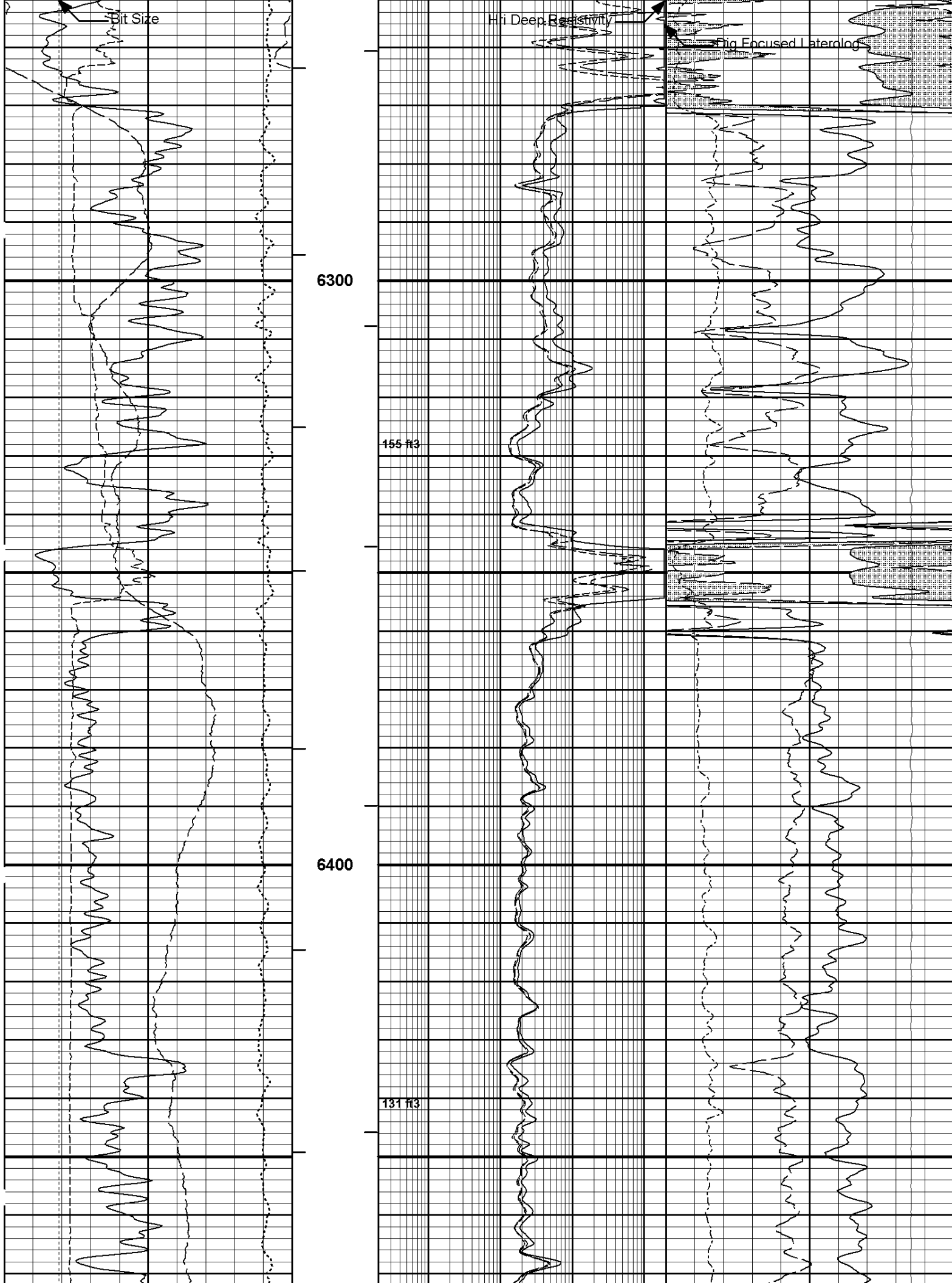
High Focused Laterolog

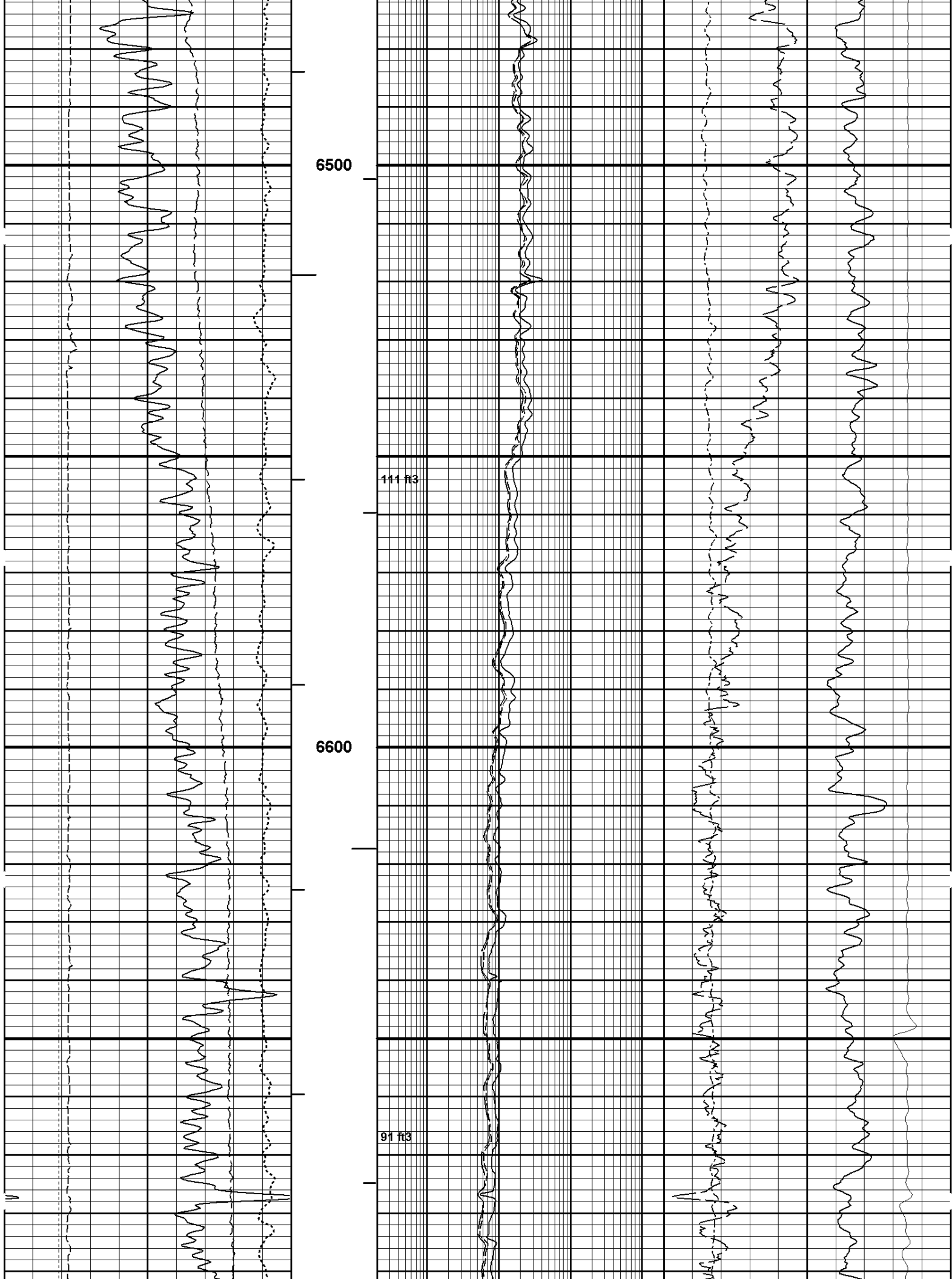
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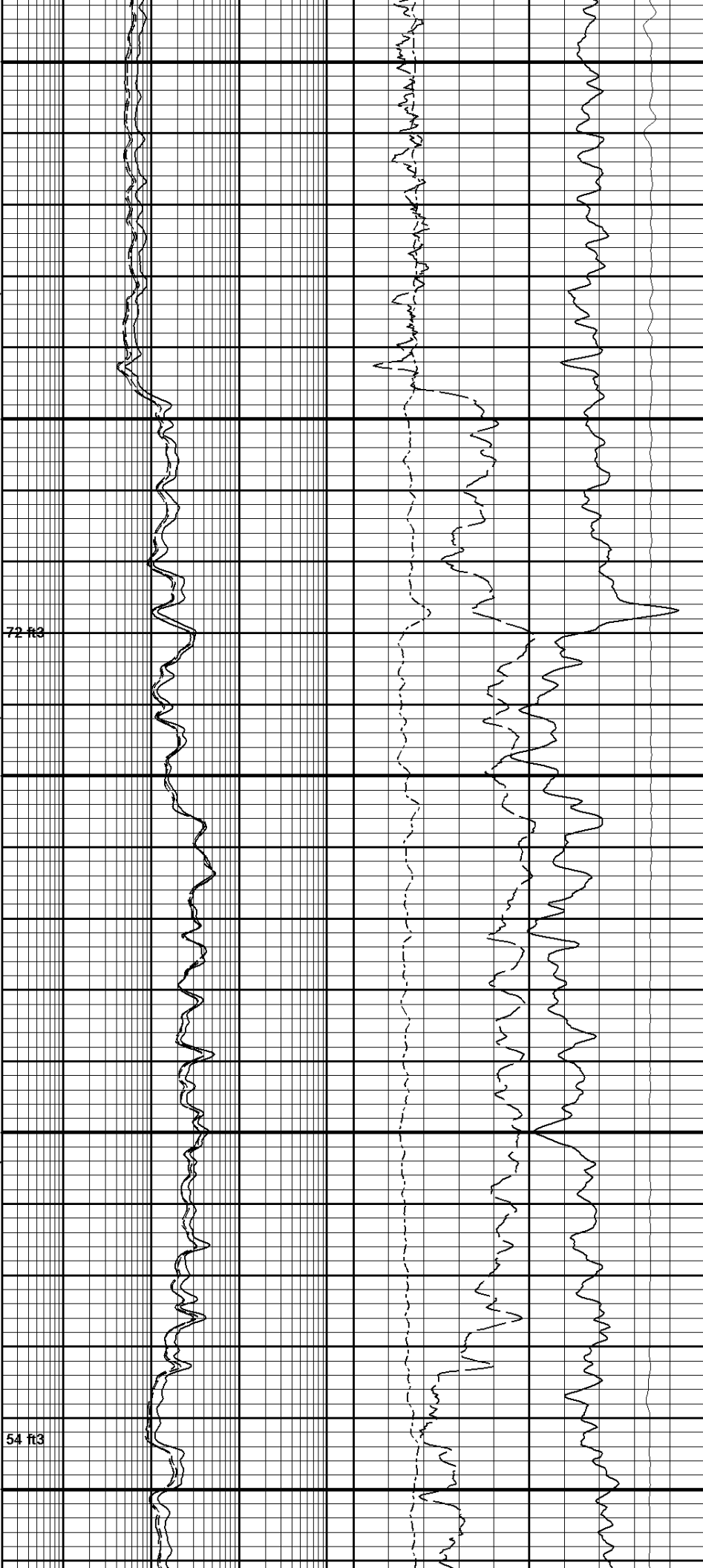
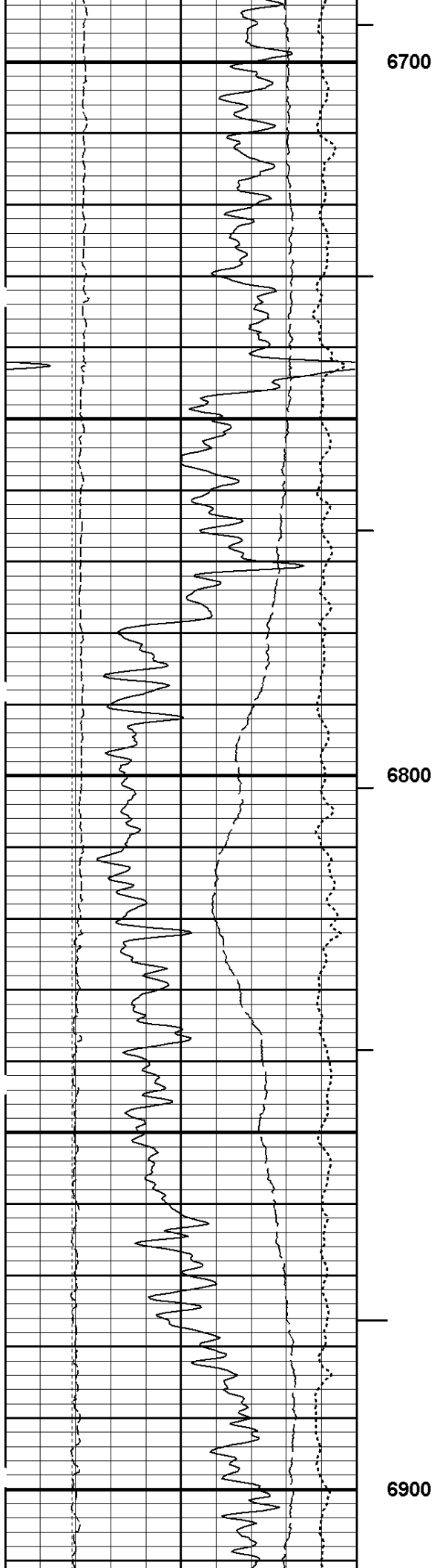
155 R3

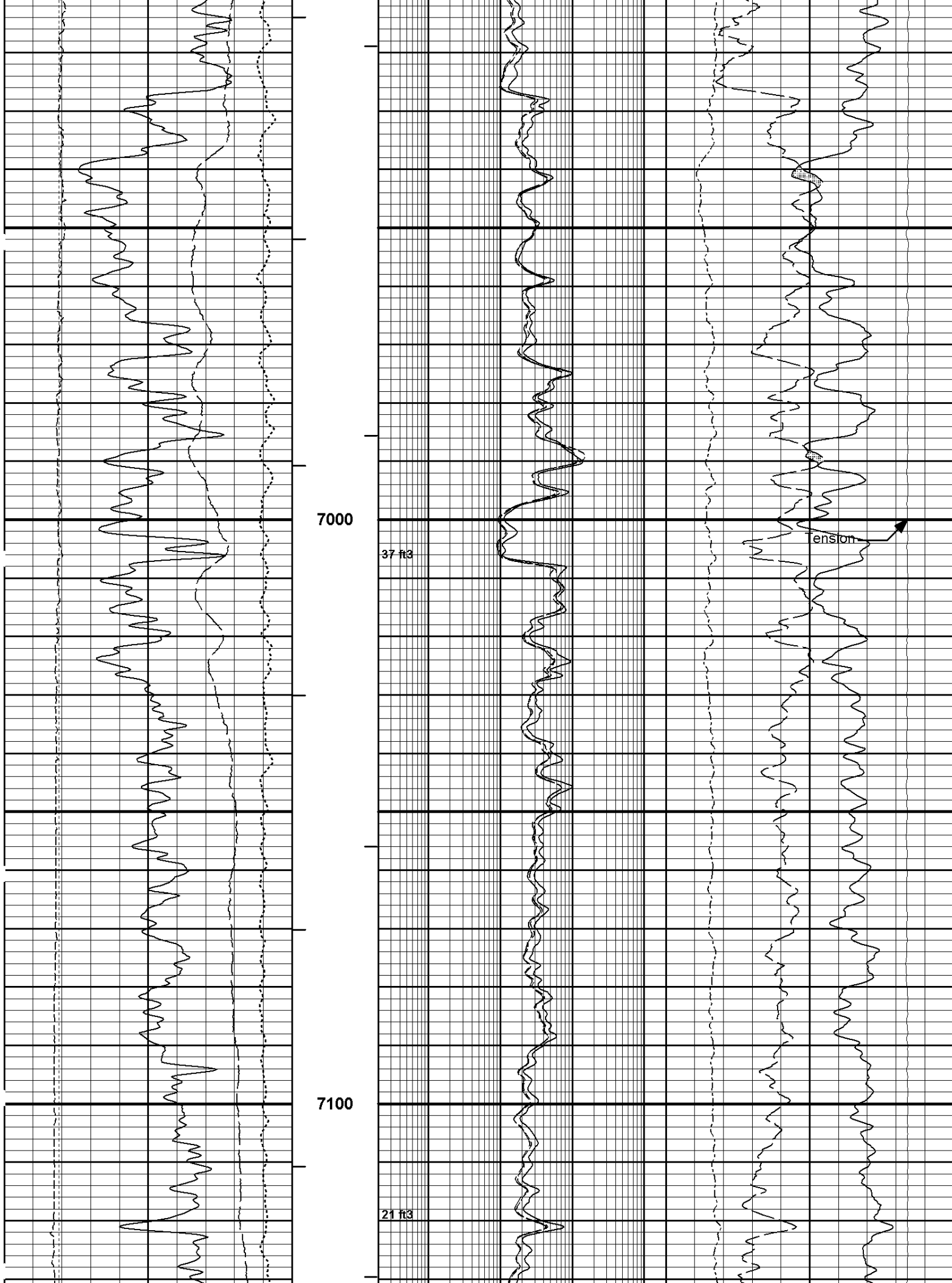
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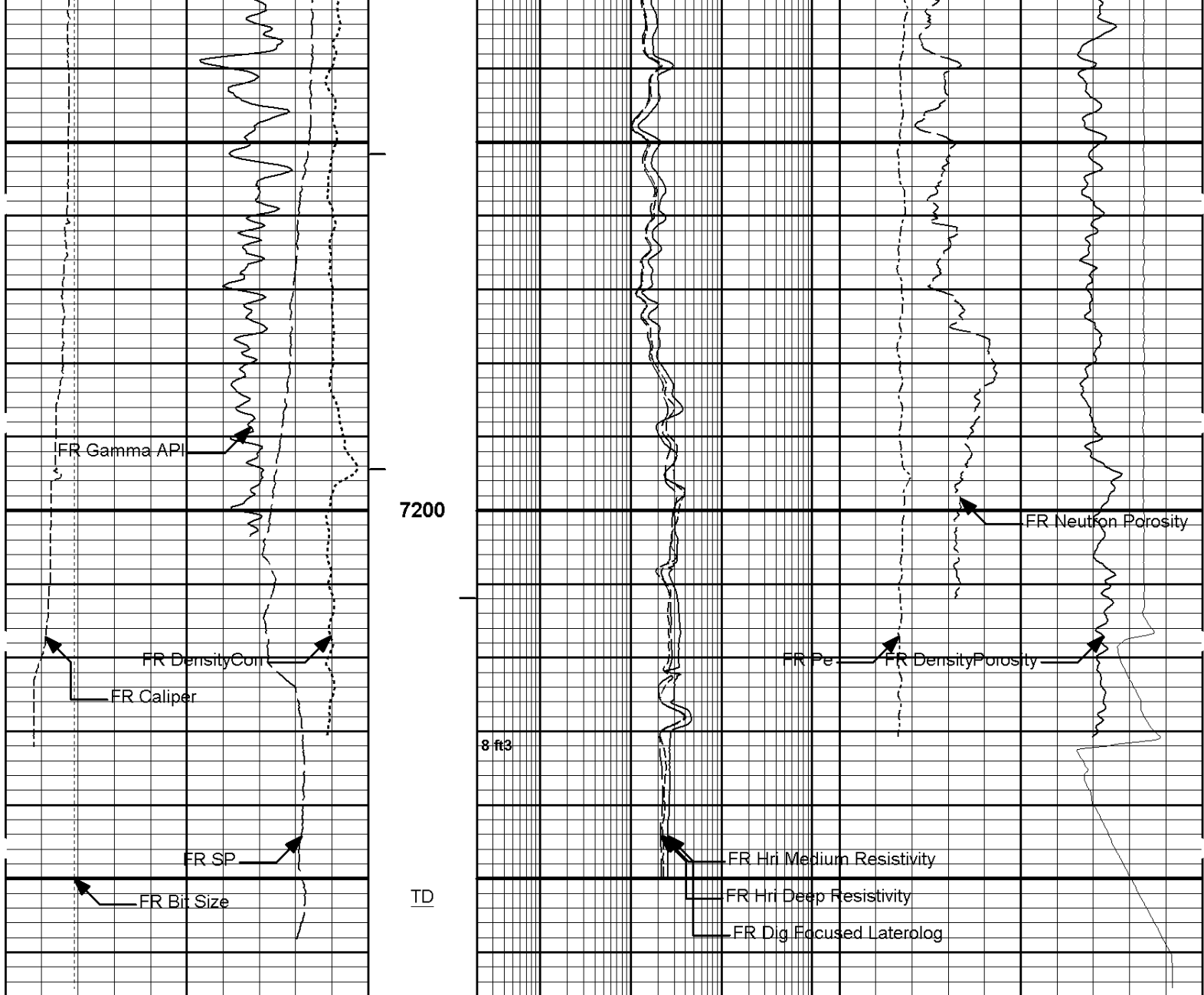
131 R3











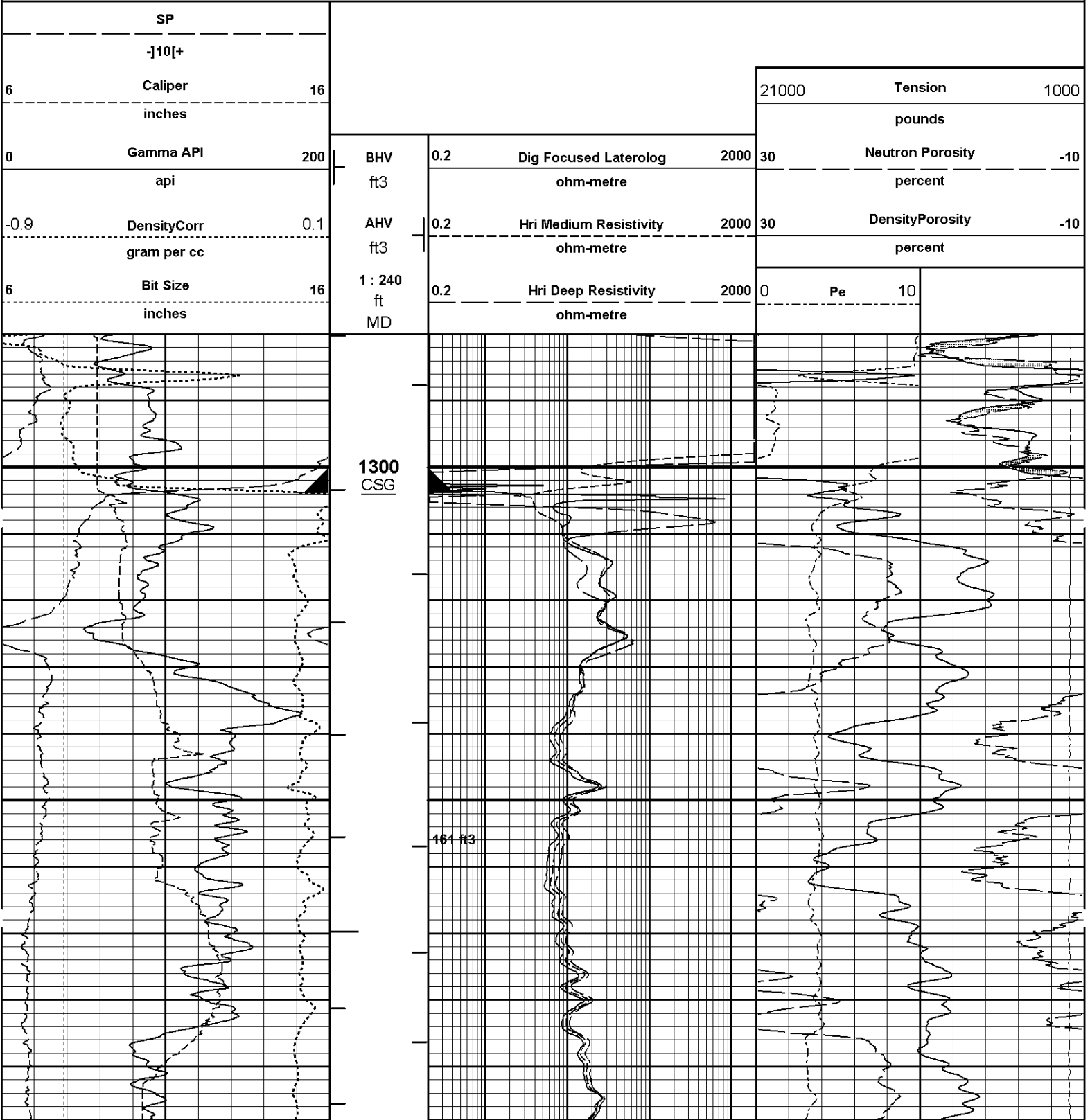
6	Bit Size	16	1 : 240	0.2	Hri Deep Resistivity	2000	0	Pe	10
	inches		ft		ohm-metre				
-0.9	DensityCorr	0.1	AHV	0.2	Hri Medium Resistivity	2000	30	DensityPorosity	-10
	gram per cc		ft3		ohm-metre			percent	
0	Gamma API	200	BHV	0.2	Dig Focused Laterolog	2000	30	Neutron Porosity	-10
	api		ft3		ohm-metre			percent	
6	Caliper	16					21000	Tension	1000
	inches							pounds	
	SP								
	-]10[+								

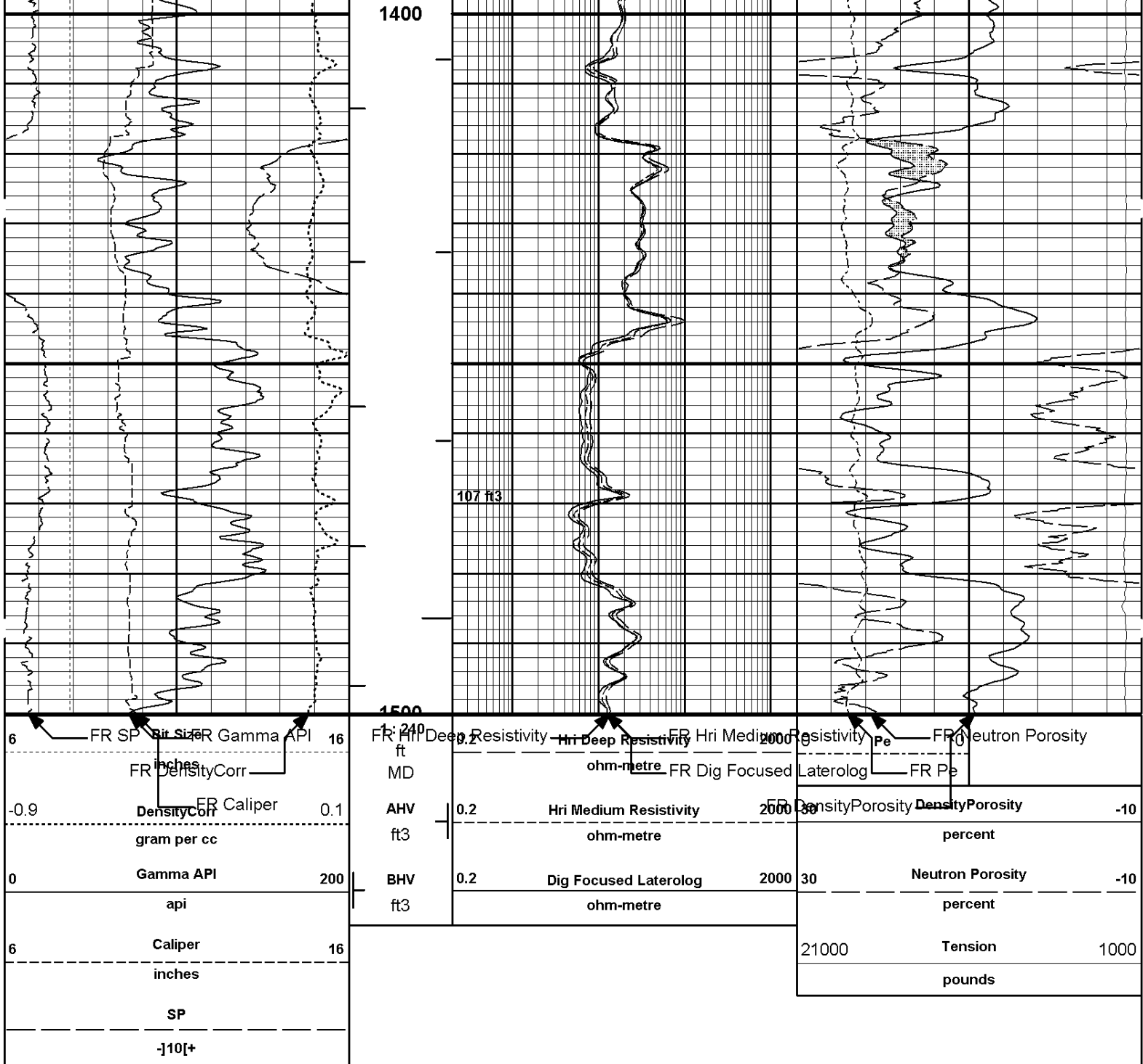
HALLIBURTON

Plot Time: 24-Dec-07 00:27:36
 Plot Range: 100 ft to 7266 ft
 Data: PXP_CURREY16_14\Well Based*\
 Plot File: \TRIPLEDITS_COMPOSITE_HRI_5IN_RM

MAIN PASS 5" = 100'

REPEAT PASS 5" = 100'





HALLIBURTON

Plot Time: 24-Dec-07 00:27:42
Plot Range: 1280 ft to 1500 ft
Data: PXP_CURREY16_14\Well Based\REPEAT\
Plot File: \\TRIPLE\REPEAT

REPEAT PASS 5" = 100'

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name: NGRT - 108617_2

Reference Calibration Date: 26-Oct-07 17:30:26

Tool Name: NGRT - 108617_2

Reference Calibration Date: 29-Oct-07 17:00:20

Engineer: M. MAZUREK

Calibration Date: 27-Nov-07 21:04:41

Software Version: WL INSITE R2.0 (Build 12)

Calibration Version: 1

Calibrator Source S/N: TB671

Calibrator API Reference: 262.00 api

Measurement	Measured	Calibrated	Units
Background	69.3	68.8	api
Background + Calibrator	333.2	330.8	api
Calibrator	261.5	262.0	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name: NGRT - 108617_2

Reference Calibration Date: 27-Nov-07 21:04:41

Engineer: M. CARPENTER

Calibration Date: 22-Dec-07 13:22:20

Software Version: WL INSITE R2.0 (Build 12)

Calibration Version: 1

Calibrator Source S/N: TB671

Calibrator API Reference: 262.00 api

Field Verification	Shop	Field	Units
Background	68.8	67.5	api
Background + Calibrator	330.8	331.8	api
Calibrator	262.0	264.4	api

Shop	Field	Difference	Tolerance
262.0	264.4	-2.4	+/- 9.0

NATURAL GAMMA RAY TOOL POST CALIBRATION

Tool Name: NGRT - 108617_2

Reference Calibration Date: 22-Dec-07 13:22:20

Engineer: M. CARPENTER

Calibration Date: 23-Dec-07 23:11:36

Software Version: WL INSITE R2.0 (Build 12)

Calibration Version: 1

Calibrator Source S/N: TB671

Calibrator API Reference: 262.00 api

Post Verification	Field	Post	Units
Background	67.5	38.1	api
Background + Calibrator	331.8	307.2	api
Calibrator	264.4	269.1	api

Shop	Field	Post	Difference	Tolerance
262.0	264.4	269.1	-4.7	+/- 9.0

DUAL SPACED NEUTRON SHOP CALIBRATION

Tool Name: DSN_II - A064_2

Reference Calibration Date: 14-Oct-07 14:10:20

Engineer: M. MAZUREK

Calibration Date: 15-Dec-07 18:25:07

Software Version: WL INSITE R2.0 (Build 12)

Calibration Version: 1

Logging Source S/N: DSN-108

Calibrator Source S/N: CAL-10

Water Tank S/N: GJ - #1

Water Tank Value: 52.750

Snow Block S/N: GJ - TRK-10748912

Calibration Tank Water Temperature: 66.90 degF

Min. Tool Housing Outside Diameter: 3.516 in

WATER TANK SUMMARY (Horizontal Water Tank)

Measurement	Measured	Calibrated	Units
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Ratio	6.429	6.450	
Porosity	0.11692	0.11749	decp

SNOW BLOCK SUMMARY

Measurement	Measured	Calibrated	Units
Ratio	5.691	5.691	
Porosity	0.10520	0.10464	decp

DSN Sensitivity: 1.054

DUAL SPACED NEUTRON FIELD CALIBRATION

Tool Name:	DSN_II - A064_2	Reference Calibration Date:	15-Dec-07 18:25:07
Engineer:	M. CARPENTER	Calibration Date:	22-Dec-07 13:38:56
Software Version:	WL INSITE R2.0 (Build 12)	Calibration Version:	1

Logging Source S/N: DSN-108
Calibrator Source S/N: CAL-10
Snow Block S/N: GJ - TRK-10748912

SNOW BLOCK SUMMARY

Measurement	Shop	Field	Units
Ratio	5.690	5.740	
Porosity	0.10460	0.10640	decp

DSN Sensitivity: 1.054

DUAL SPACED NEUTRON POST CALIBRATION

Tool Name:	DSN_II - A064_2	Reference Calibration Date:	22-Dec-07 13:38:56
Engineer:	M. CARPENTER	Calibration Date:	23-Dec-07 23:23:36
Software Version:	WL INSITE R2.0 (Build 12)	Calibration Version:	1

Logging Source S/N: DSN-108
Calibrator Source S/N: CAL-10
Snow Block S/N: GJ - TRK-10748912

SNOW BLOCK SUMMARY

Measurement	Field	Post	Units
Ratio	5.740	5.640	
Porosity	0.10640	0.10360	decp

DSN Sensitivity: 1.054

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name:	SDL_DC - I709MC136_2	Reference Calibration Date:	13-Dec-07 09:41:25
Engineer:	M. MAZUREK	Calibration Date:	13-Dec-07 11:28:29
Software Version:	WL INSITE R2.0 (Build 12)	Calibration Version:	1

Logging Source S/N: 3026 GW
Aluminum Block S/N: GJ-63094 Density: 2.606g/cc
Magnesium Block S/N: GJ-63387 Density: 1.684g/cc
Density Field Calibrator S/N: GJ - TRK-10748912

DENSITY CALIBRATION SUMMARY

Measurement	Previous Value	New Value	Control Limit
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Near Bar Gain	0.9927	1.0027	0.85 - 1.15
Near Dens Gain	1.0009	1.0010	0.85 - 1.15
Near Peak Gain	0.9971	1.0091	0.85 - 1.15
Near Lith Gain	1.0051	1.0108	0.85 - 1.15
Far Bar Gain	1.0118	1.0114	0.85 - 1.15
Far Dens Gain	1.0038	1.0059	0.85 - 1.15
Far Peak Gain	0.9990	0.9987	0.85 - 1.15
Far Lith Gain	0.9972	0.9962	0.85 - 1.15
Near Bar Offset	0.2453	0.1631	NONE
Near Dens Offset	0.1375	0.1450	NONE
Near Peak Offset	0.1411	0.0440	NONE
Near Lith Offset	0.0741	0.0356	NONE
Far Bar Offset	0.0695	0.0857	NONE
Far Dens Offset	0.1427	0.1318	NONE
Far Peak Offset	0.2121	0.2217	NONE
Far Lith Offset	0.3135	0.3266	NONE
Near Bar Background	1172.43	1174.46	700 - 1500
Near Dens Background	483.00	480.76	290 - 600
Near Peak Background	211.57	212.07	130 - 280
Near Lith Background	205.25	205.04	125 - 270
Far Bar Background	486.00	484.51	350 - 750
Far Dens Background	185.22	184.46	140 - 300
Far Peak Background	75.78	76.04	50 - 130
Far Lith Background	76.99	77.08	50 - 130

CALIBRATION BLOCK SUMMARY

Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.682	1.684	0.002	+/- 0.015
Pe	2.618	2.594	-0.024	+/- 0.150
ALUMINUM				
Density (g/cc)	2.601	2.606	0.005	+/- 0.01500
Pe	3.255	3.230	-0.025	+/- 0.150

TOOL SUMMARY

Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	-0.0025	+/- 0.0110	-0.0065	+/- 0.0140
Magnesium Block	-0.0058	+/- 0.0110	-0.0065	+/- 0.0140
Aluminum Block	0.0012	+/- 0.0110	0.0032	+/- 0.0140
Resolution	8.89	6.00 - 11.00	9.67	6.00 - 11.00
Internal Verifier(B+D+P+L)	2072	1250 - 2700	822	600 - 1300

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
Field Block Measurements:	Passed

FIELD BLOCK SUMMARY

Measurement	Value	Expected Range
Density (g/cc)	2.167	2.130 - 2.240
Density Correction	0.05871	0.030 - 0.130
Pe	4.874	4.1 - 5.2

SPECTRAL DENSITY FIELD CHECK

Tool Name:	SDL_DC - I709MC136_2	Reference Calibration Date:	13-Dec-07 11:28:29
Engineer:	M. CARPENTER	Calibration Date:	22-Dec-07 13:44:26
Software Version:	WL INSITE R2.0 (Build 12)	Calibration Version:	1

Logging Source S/N: 3026 GW

Aluminum Block S/N: GJ-63094

Density: 2.606g/cc

Magnesium Block S/N: GJ-63387

Density: 1.684g/cc

Pad Temperature: 73.4 degF

DENSITY FIELD CALIBRATION SUMMARY

Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	2072.332	2068.996	-3.336	18.168
Far (B+D+P+L) cps	822.104	824.016	1.912	15.813
Near Resolution	8.89	9.04	0.150	0.50
Far Resolution	10.04	9.67	0.370	1.00
Density	2.16748	2.177	0.010	0.01500
Density Correction	0.05871	0.07681	0.018	0.01500
Pe	4.874	4.963	0.089	0.200

PASS/FAIL SUMMARY

Bkg Quality Check:	Passed
Bkg Resolution Check:	Passed
Bkg Verification Check:	Passed
Field Block Quality Check:	Passed
Field Block Statistical Check:	Passed

SPECTRAL DENSITY POST CHECK

Tool Name:	SDL_DC - I709MC136_2	Reference Calibration Date:	22-Dec-07 13:44:26
Engineer:	M. CARPENTER	Calibration Date:	23-Dec-07 23:38:47
Software Version:	WL INSITE R2.0 (Build 12)	Calibration Version:	1

Logging Source S/N: 3026 GW

Aluminum Block S/N: GJ-63094

Density: 2.606g/cc

Magnesium Block S/N: GJ-63387

Density: 1.684g/cc

Pad Temperature: 55.5 degF

DENSITY POST CALIBRATION SUMMARY

Measurement	Field	Post	Change	Control Limit +/-
Near (B+D+P+L) cps	2068.996	2083.058	14.062	20.194
Far (B+D+P+L) cps	824.016	827.459	3.443	17.089
Near Resolution	9.04	8.94	-0.100	0.50
Far Resolution	9.90	10.04	-0.140	1.00
Density	2.177	2.177	0.000	0.01500
Density Correction	0.07681	0.07827	0.001	0.01500

PASS/FAIL SUMMARY

Bkg Quality Check:	Passed
Bkg Resolution Check:	Passed
Bkg Verification Check:	Passed
Field Block Quality Check:	Passed
Field Block Statistical Check:	Passed
Field Block Measurement Check:	Passed

CALIPER SHOP CALIBRATION

Tool Name:	SDL_DC - I709MC136_2	Reference Calibration Date:	13-Dec-07 15:09:02
Engineer:	M. MAZUREK	Calibration Date:	13-Dec-07 15:11:15
Software Version:	WL INSITE R2.0 (Build 12)	Calibration Version:	1

MEASURED CALIPER RINGS

Measurement	Current Reading (Previous Coeff.)	Calibrated (New Coeff.)	Change
RING DIAMETER:			
Ring #1 (in)	6.56	6.50	0.06
Ring #2 (in)	13.88	13.88	0.00

CALIPER FIELD CALIBRATION

Tool Name:	SDL_DC - I709MC136_2	Reference Calibration Date:	13-Dec-07 15:11:15
Engineer:	M. MAZUREK	Calibration Date:	20-Dec-07 16:56:15
Software Version:	WL INSITE R2.0 (Build 12)	Calibration Version:	1

MEASURED CALIPER RINGS

Measurement	Shop	Field	Change	Control Limit On New Value
Ring #1 (in)	6.56	6.12	-0.45	+/- 0.50

PASS/FAIL SUMMARY

Ring #1 Check:	Passed
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CALIPER POST CALIBRATION

Tool Name:	SDL_DC - I709MC136_2	Reference Calibration Date:	20-Dec-07 16:56:15
Engineer:	M. CARPENTER	Calibration Date:	23-Dec-07 23:08:08
Software Version:	WL INSITE R2.0 (Build 12)	Calibration Version:	1

MEASURED CALIPER RING

Measurement	Field	Post	Change	Control Limit On New Value
Ring #1 (in)	6.12	6.23	0.11	+/- 0.50

PASS/FAIL SUMMARY

Ring #1 Check:	Passed
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HIGH RESOLUTION INDUCTION SHOP CALIBRATION

Tool Name:	HRID-SP - I91S0180	Reference Calibration Date:	08-Nov-07 16:15:10
Engineer:	M. MAZUREK	Calibration Date:	08-Nov-07 16:20:56
Software Version:	WL INSITE R2.0 (Build 12)	Calibration Version:	1

HIGH RESOLUTION INDUCTION SHOP CALIBRATION SUMMARY

TEST LOOP RESPONSE

1. Test Loop Closed	Measured Signal	Nominal	Units
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1 - Test Loop Closed

Measured Signal

Nominal

Units

	R	X	R	X	
HRD	1976	1972	1976	1972	MMHOS
HRM	2838	2832	2838	2832	MMHOS

2 - Test Loop Off(Sonde Error)

Measured Signal

Nominal

Units

	R	X	R	X	
HRD	-4	-44	+/- 15	+/- 100	MMHOS
HRM	-7	-101	+/- 15	+50/-150	MMHOS

ELECTRONICS RELATIVE GAIN

Set

Nominal

	Magnitude	Phase	Magnitude	Phase
HRD	1.00	-1.45	1. +/- .1	0. +/- 5
HRM	1.00	-1.42	1. +/- .1	0. +/- 5
Temperature at time of calibration:		69.68	degF	

**** NOTICE ****

THE HIGH RESOLUTION INDUCTION TOOL (HRID) IS A CONTINUAL SELF-CALIBRATING TOOL. DURING LOGGING, THE TOOL CONSTANTLY SELF-UPDATES ITS COEFFICIENTS, THE SHOP CALIBRATION IS PERFORMED UNDER VERY STRINGENT CONDITIONS. SINCE THE TOOL IS SELF-CALIBRATING DURING LOGGING, FIELD AND POST CALIBRATIONS ARE NOT AVAILABLE OR NECESSARY FOR THE HRID TOOL.

CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
NGRT-108617_2						
Gamma Ray Calibrator	262.0	264.4	269.1	-4.7	+/- 9.0	api
DSN_II-A064_2						
Snow Block Porosity	0.10464	0.10640	0.10360	0.00280	+/- 0.0090	decp
SDL_DC-I709MC136_2						
Near(B+D+P+L)	2072.332	2068.996	2083.058	-14.062	+/- 20.194	cps
Far(B+D+P+L)	822.104	824.016	827.459	-3.443	+/- 17.089	cps
Field Block Density	2.167	2.177	2.177	0.000	+/- 0.01500	g/cc
Ring #1	6.50	6.12	6.23	-0.11	+/- 0.500	in

Data: PXP_CURREY16_14\0001 TRIPLE\IDLE

Date: 23-Dec-07 23:39:20

HALLIBURTON

CUSTOMER EVENT LOG

Event Type	Time & Date	Depth (ft)	Event Description
	23-Dec-07 18:18:34	476.50	Logging 001 23-Dec-07 18:18 Dn @476.5f
	23-Dec-07 18:26:34	1803.99	Halting 001 23-Dec-07 18:18 Dn @476.5f
	23-Dec-07 18:26:47	1802.50	Logging 002 23-Dec-07 18:26 Up @1802.5f
	23-Dec-07 18:37:32	1204.63	Halting 002 23-Dec-07 18:26 Up @1802.5f
	23-Dec-07 18:37:46	1121.00	Logging 003 23-Dec-07 18:37 Dn @1121.0f
	23-Dec-07 19:40:39	7271.99	Halting 003 23-Dec-07 18:37 Dn @1121.0f
	23-Dec-07 19:41:09	7270.00	Logging 004 23-Dec-07 19:41 Up @7270.0f
	23-Dec-07 21:58:45	79.71	Halting 004 23-Dec-07 19:41 Up @7270.0f

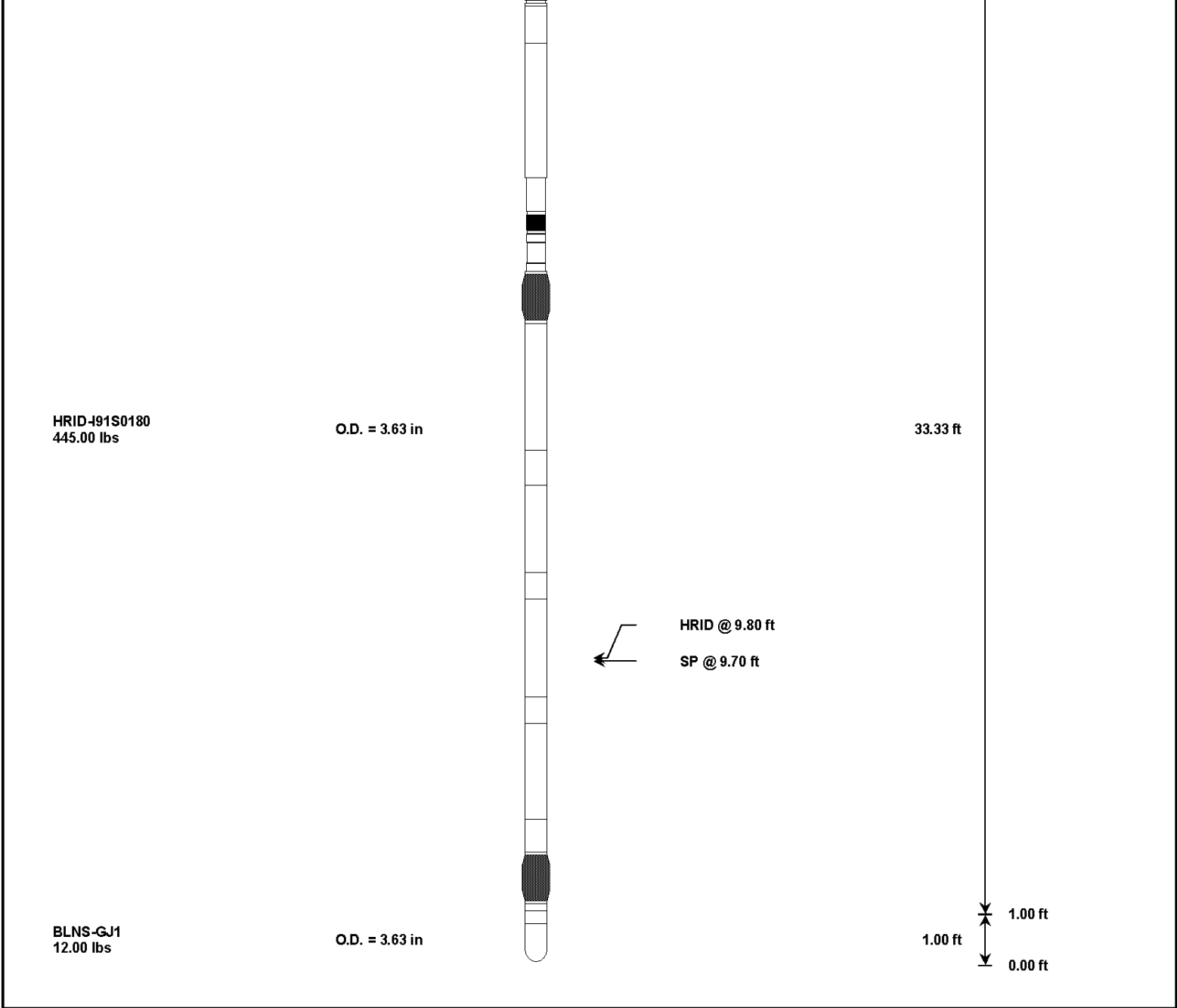
Data: PXP_CURREY16_14\0001 TRIPLE\HWI0782

Date: 23-Dec-07 22:58:45

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	OD/Sensors	Diagram	Sensors	Tool Length	Accumulated Length
RWCH-10763226 135.00 lbs	O.D. = 3.63 in		Load Cell @ 81.08 ft BH Temperature @ 80.51 ft	6.25 ft	84.76 ft
D4TS-109040GJ 100.00 lbs	O.D. = 3.63 in			6.50 ft	78.51 ft
NGRT-108617_2 176.00 lbs	O.D. = 3.63 in			8.00 ft	72.01 ft
DSN_II-A064_2 195.80 lbs	O.D. = 3.63 in		GammaRay @ 65.34 ft	10.25 ft	64.01 ft
			Neutron Porosity @ 55.66 ft		53.76 ft
SDLD-1709MC136_2 420.00 lbs	O.D. = 4.50 in		SDL Caliper @ 36.83 ft SDL @ 36.37 ft	19.43 ft	34.33 ft



Tool Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Length Accumulation (ft)	Max Logging Speed (fpm)
RWCH	RWCH	10763226	135.00	6.25	78.51	300.00
D4TS	D4TS	109040GJ	100.00	6.50	72.01	300.00
NGRT	NGRT	108617_2	176.00	8.00	64.01	60.00
DSN_II	DSN_II	A064_2	195.80	10.25	53.76	60.00
SDLD	SDL_DC	I709MC136_2	420.00	19.43	34.33	60.00
HRID	HRID-SP	I91S0180	445.00	33.33	1.00	100.00
BLNS	Bull Nose	GJ1	12.00	1.00	0.00	300.00
Total			1,483.80	84.76		60.00

Data: PXP_CURREY16_14\0001 TRIPLE\004 23-Dec-07 19:41 Up @7270.0f

Date: 23-Dec-07 20:32:42

COMPANY	PLAINS EXPLORATION & PRODUCTION CO.
WELL	CURREY 16-14
FIELD	BRUSH CREEK
COUNTY	MECA
STATE	CO

COUNTY	MESA	STATE	CO
HALLIBURTON		HIGH RESOLUTION INDUCTION SPECTRAL DENSITY DUAL SPACED NEUTRON	