

HALLIBURTON										ARRAY COMPENSATED TRUE RESISTIVITY LOG														
COMPANY					OXY USA INC					COMPANY					OXY USA INC									
WELL					FEIGHT A-7					WELL					FEIGHT A-7									
FIELD					VICTORY					FIELD					VICTORY									
COUNTY					HASKELL					COUNTY					HASKELL									
STATE					KANSAS					STATE					KANSAS									
Permanent Datum					GL					Elev. 2940.0 ft					Elev.: K.B.					2955.0 ft				
Log measured from					KB					15.0 ft above perm. Datum					D.F.					2954.0 ft				
Drilling measured from					KB										G.L.					2940.0 ft				
Date					03-Jul-12																			
Run No.					ONE																			
Depth - Driller					5659.00 ft																			
Depth - Logger					5645.0 ft																			
Bottom - Logged Interval					5636.0 ft																			
Top - Logged Interval					1820.0 ft																			
Casing - Driller					8.625 in @ 1824.0 ft										@									
Casing - Logger					1820.0 ft																			
Bit Size					7.875 in										@									
Type Fluid in Hole					WATER BASED MUD																			
Density					9.2 ppg					58.00 s/qt														
PH					9.40 pH					7.8 cpm														
Source of Sample					FLOWLINE																			
Rm @ Meas. Temperature					0.860 ohmm @ 80.00 degF										@									
Rmf @ Meas. Temperature					0.85 ohmm @ 72.00 degF										@									
Rmc @ Meas. Temperature					1.100 ohmm @ 72.00 degF										@									
Source Rmf					MEASURED					MEASURED														
Rm @ BHT					0.59 ohmm @ 146.0 degF										@									
Time Since Circulation					15.1 hr																			
Time on Bottom					03-Jul-12 07:35																			
Max. Rec. Temperature					146.0 degF @ 0.6 ft										@									
Equipment					10782954					LIBERAL														
Recorded By					C. HAVERKAMP																			
Witnessed By					D. PRATT																			

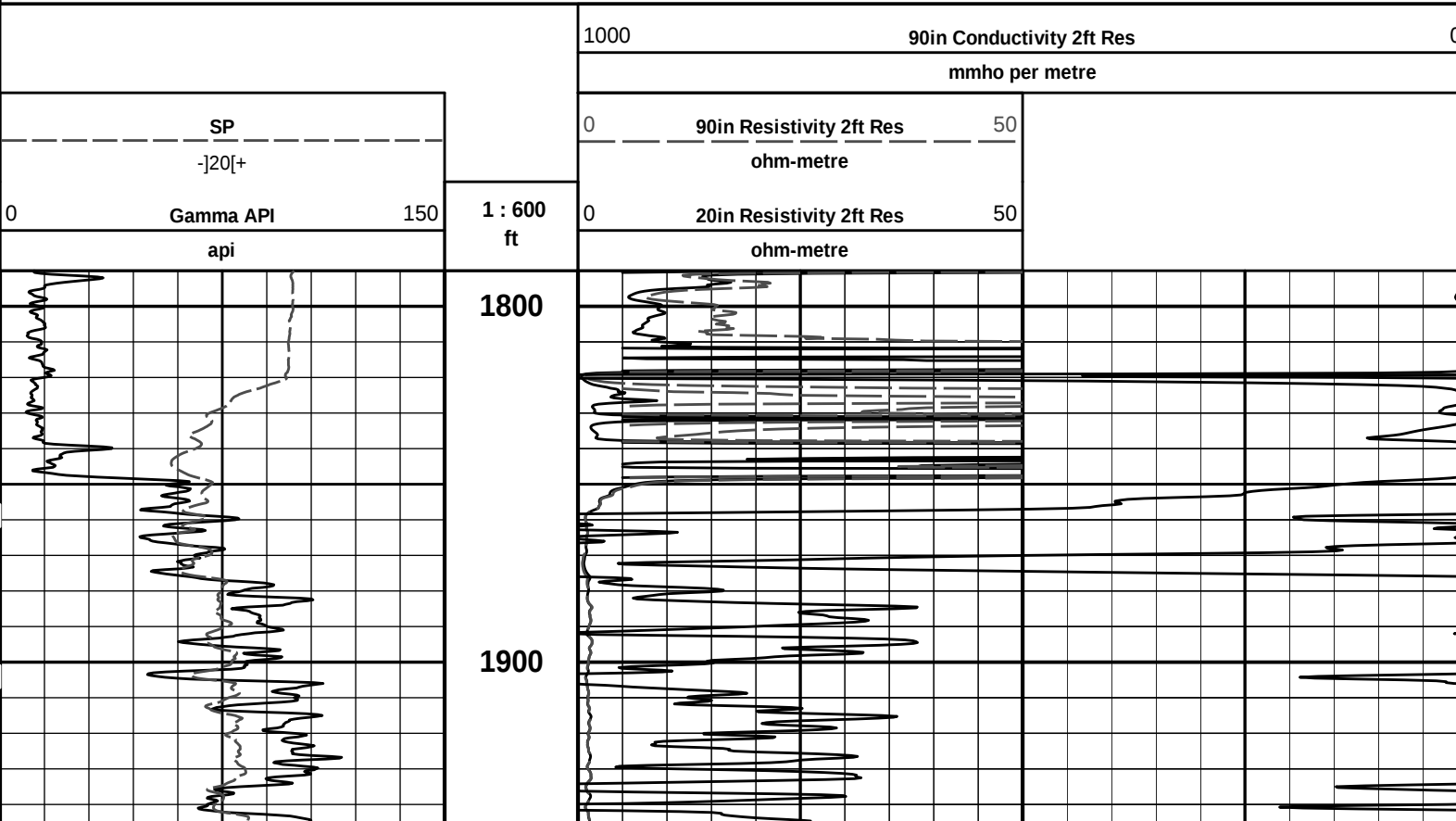
Fold here

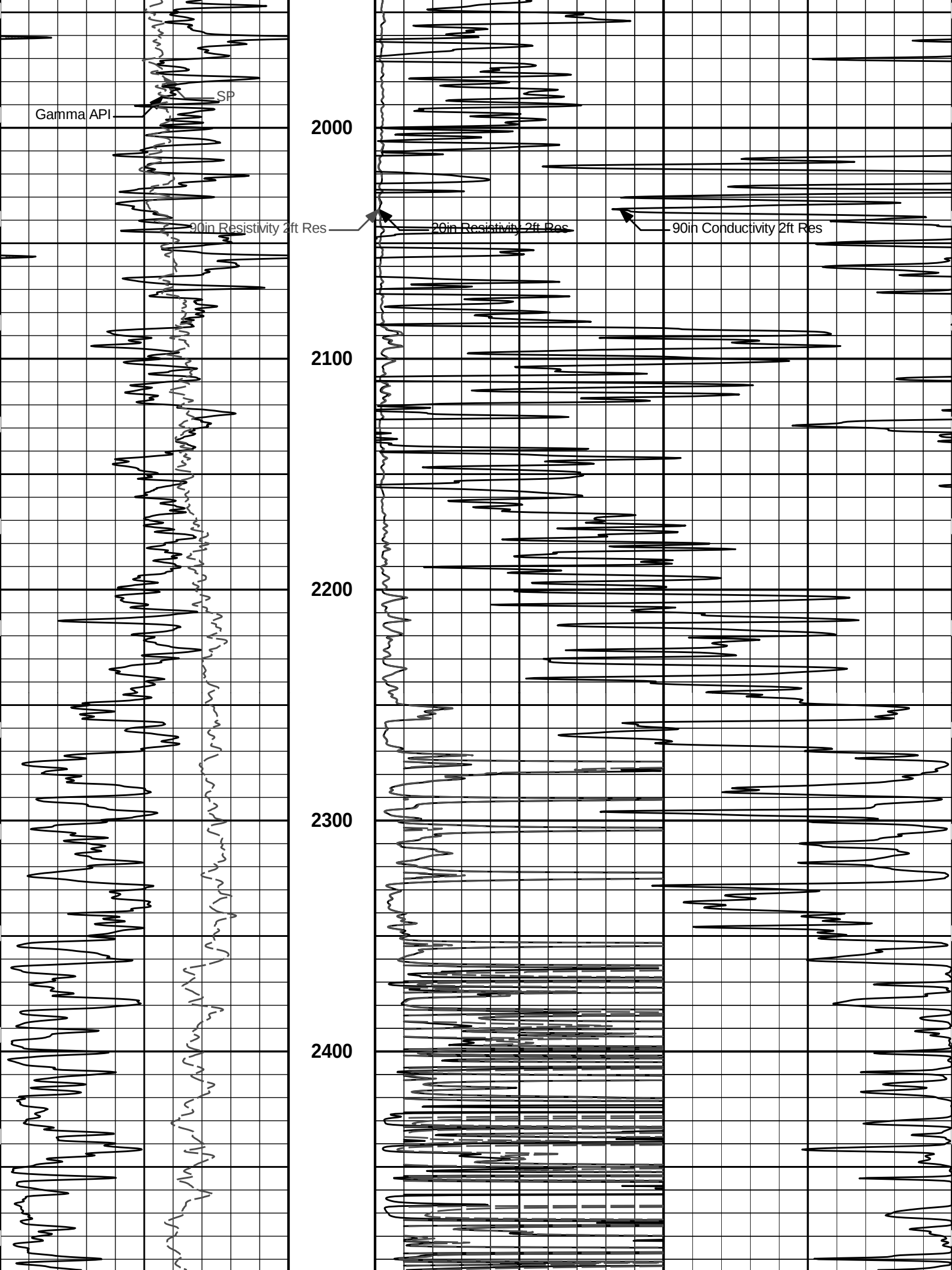
Service Ticket No.: 9626301						API Serial No.: 15-081-21984						PGM Version: WL INSITE R3.6.0 (Build 3)											
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE										RESISTIVITY SCALE CHANGES													
Date		Sample No.										Type Log		Depth		Scale Up Hole			Scale Down Hole				
Depth-Driller																							
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.				@				@				ONE		ACRT		N/A		1.5" S.O.		N/A			
Rmc @ Meas. Temp.				@				@						I776_S775									
Source Rmf		Rmc																					
Rm @ BHT				@				@															
Rmf @ BHT				@				@															
Rmc @ BHT				@				@															
EQUIPMENT DATA																							
GAMMA				ACOUSTIC				DENSITY				NEUTRON											
Run No.		ONE		Run No.				Run No.				Run No.				Run No.							
Serial No.		10811258		Serial No.				Serial No.				Serial No.				Serial No.							
Model No.		GTET		Model No.				Model No.				Model No.				Model No.							
Diameter		3.625		No. of Cent.				Diameter				Diameter				Diameter							
Detector Model No.		T-102		Spacing				Log Type				Log Type				Log Type							
Type		SCINT						Source Type				Source Type				Source Type							
Length		8"		LSA [Y/N]				Serial No.				Serial No.				Serial No.							
Distance to Source		10'		FWDA [Y/N]				Strength				Strength				Strength							

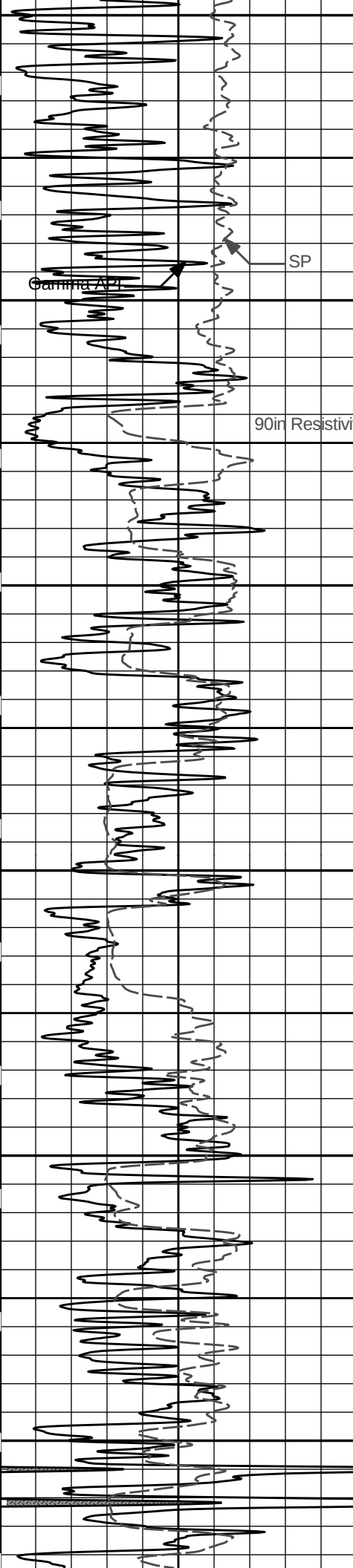
GENERAL				GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R	
ONE	TD	CSG	REC	0	150						
DIRECTIONAL INFORMATION											
Maximum Deviation @								KOP @			
Remarks: SP-GTET-DSNT-SDLT-BSAT-ACRT RAN IN COMBINATION.											
ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING.											
CHLORIDES REPORTED AT 4000 MG/L.											
LCM REPORTED AT 3 LB/BBL.											
YOUR CREW: F. VILLA, B. TERRELL											
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES. LIBERAL, KS 620-624-8123											
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.											
HALLIBURTON											

HALLIBURTON Plot Time: 03-Jul-12 09:33:22
Plot Range: 1790 ft to 5648.92 ft
Data: FEIGHT_A_7\Well Based\R1_CASING\
Plot File: \\LOCAL-1\FEIGHT_A_7\0001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CHI\ACRT\ACRT_2.lib

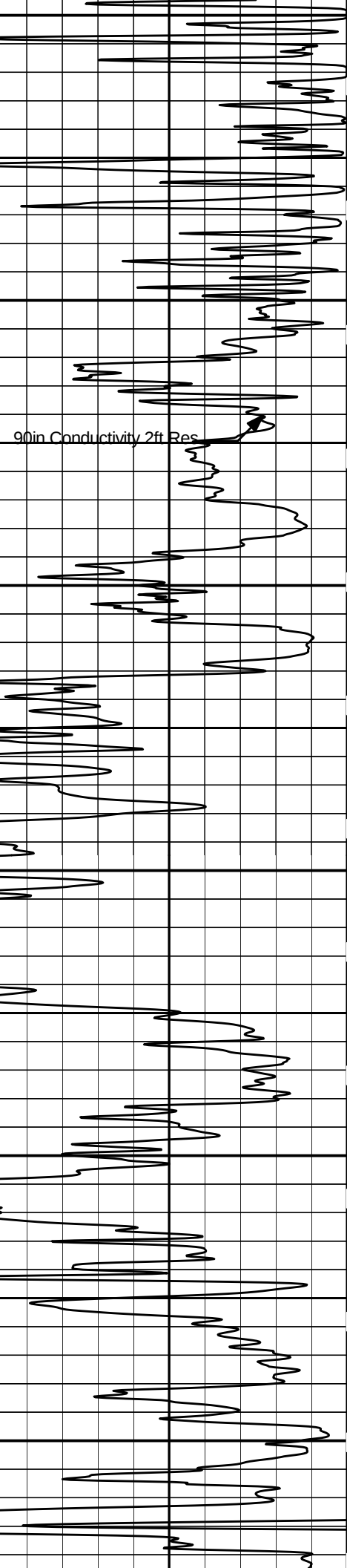
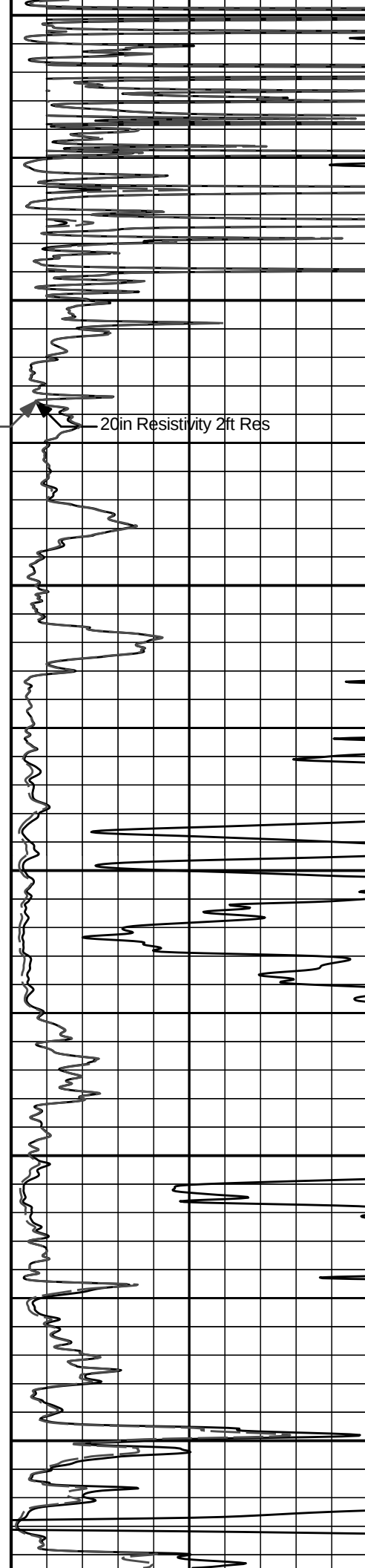
2 INCH MAIN LOG

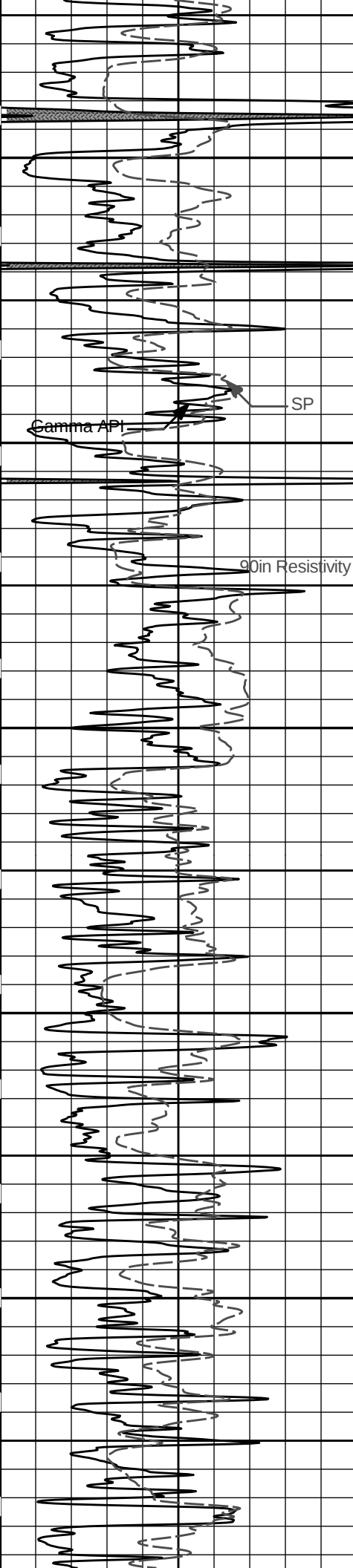






2500
2600
2700
2800
2900
3000





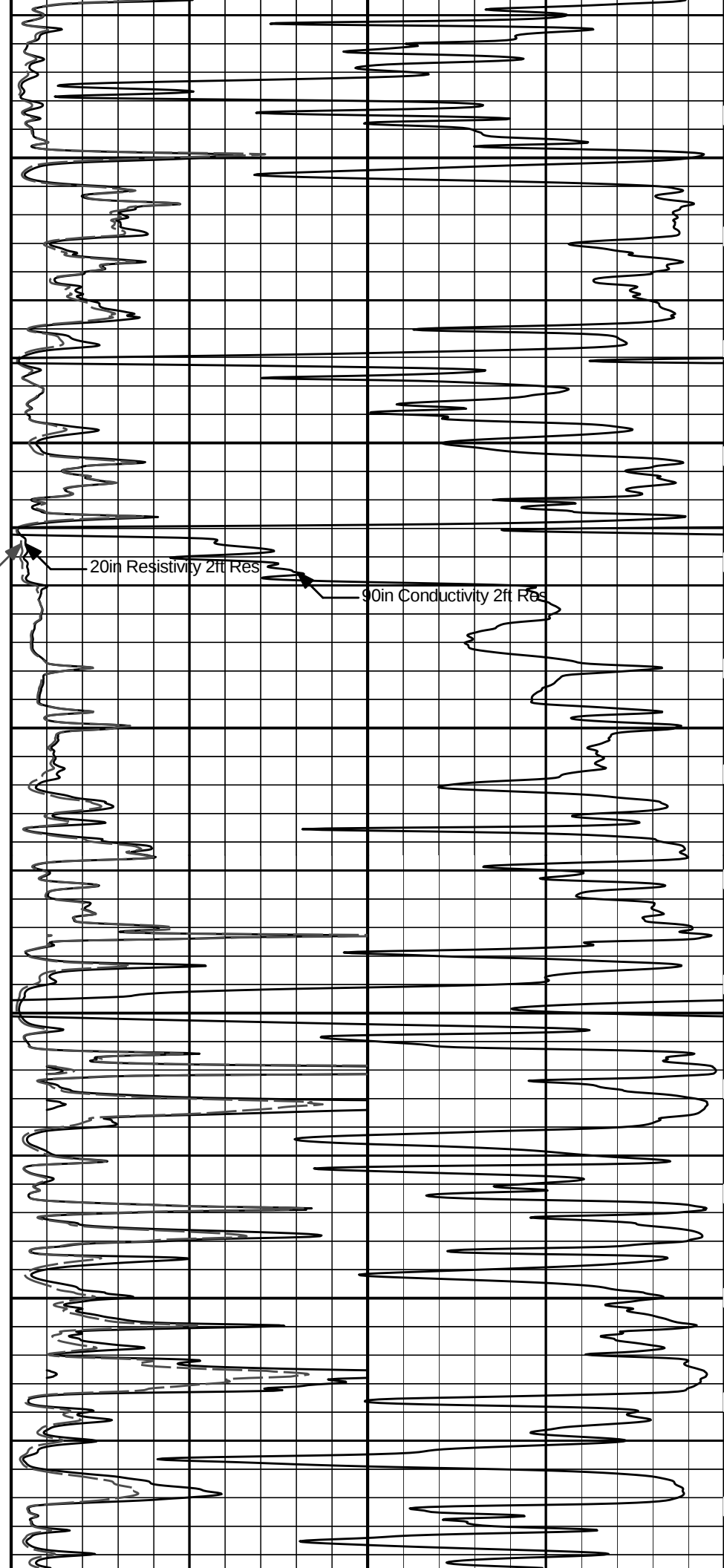
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3200

3300

3400

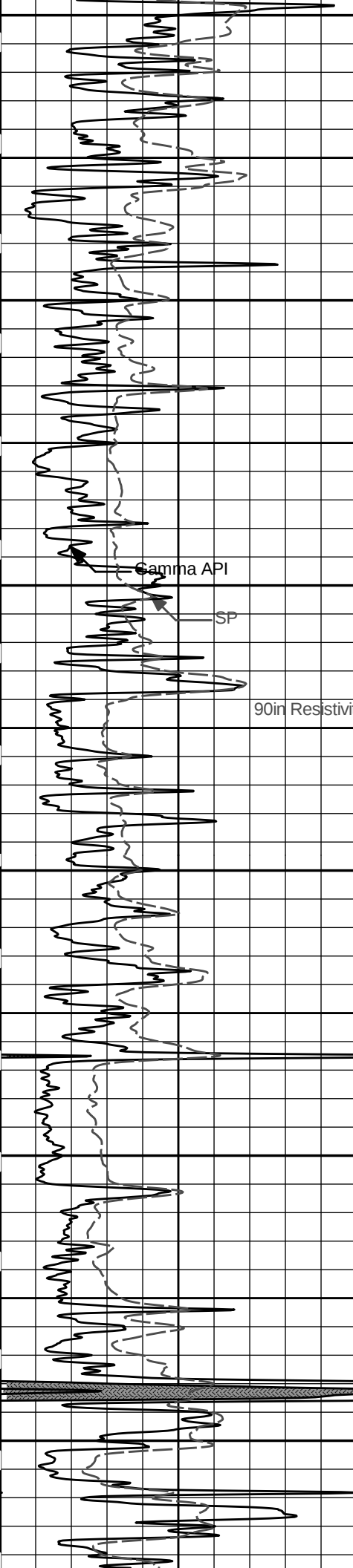
3500



20in Resistivity 2ft Res

90in Conductivity 2ft Res

90in Resistivity 2ft Res



3600

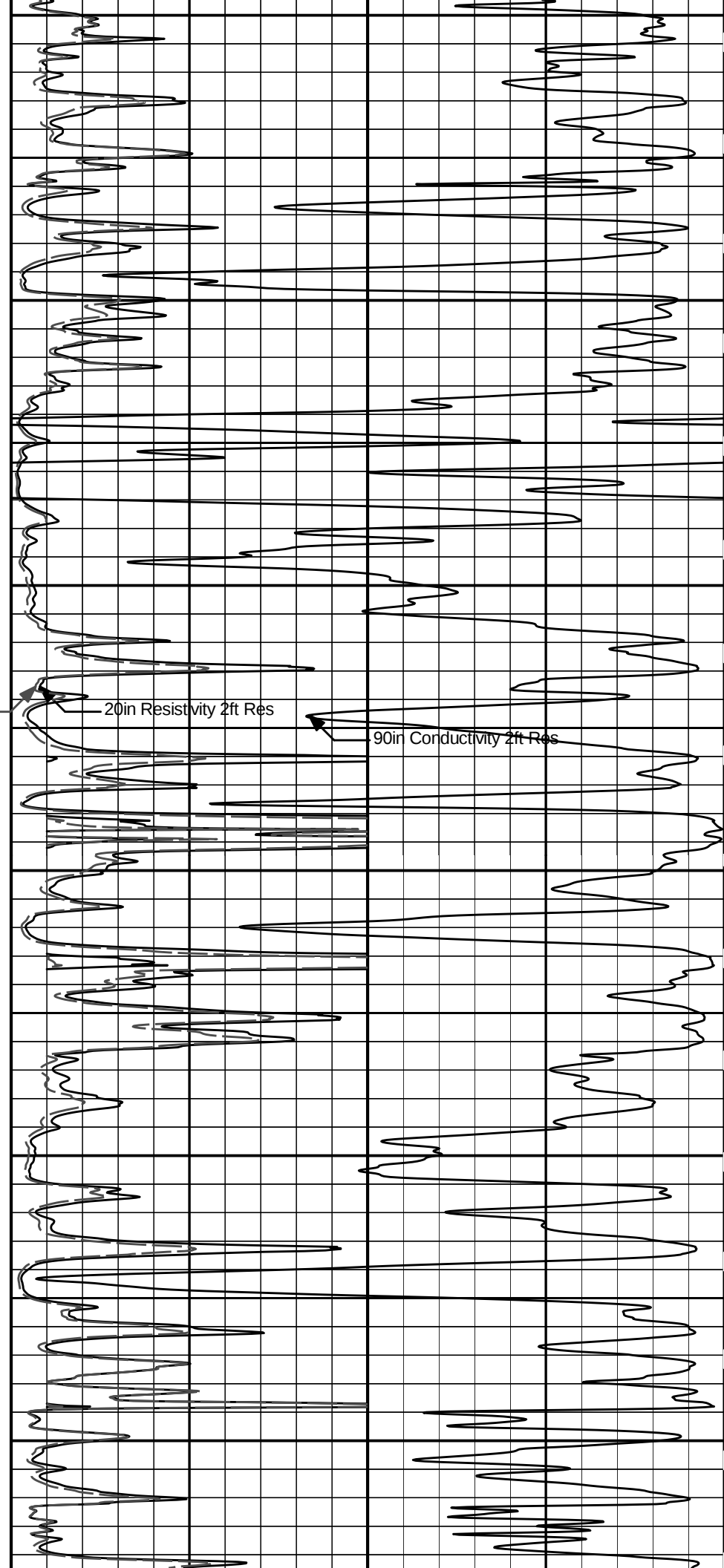
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3800

3900

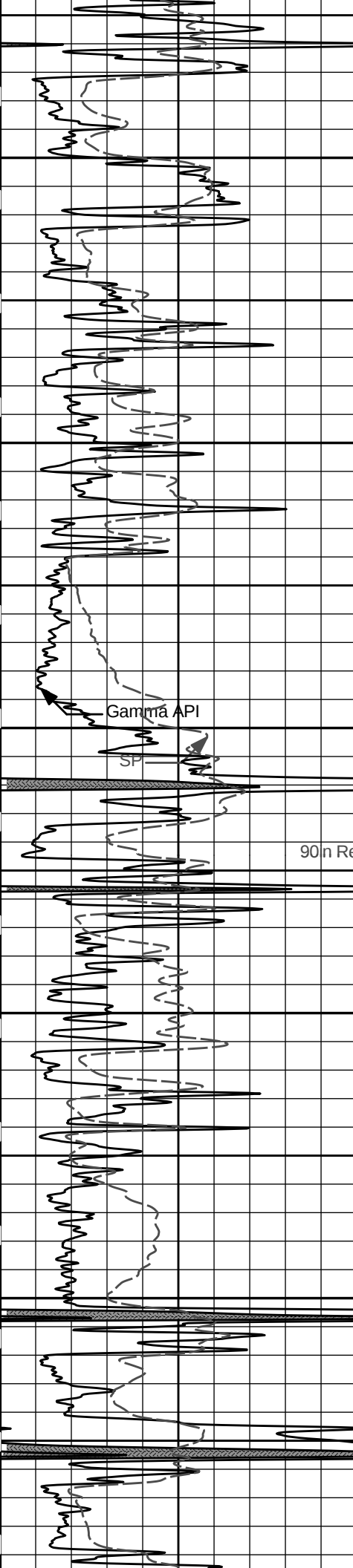
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4100



20in Resistivity 2ft Res

90in Conductivity 2ft Res



4200

4300

4400

4500

4600

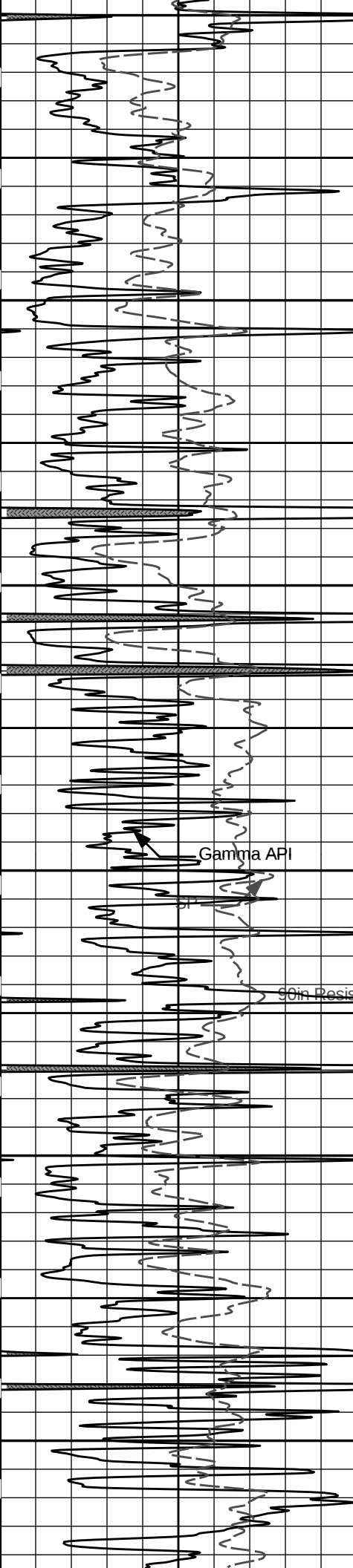
Gamma API

SP

90in Resistivity 2ft Res

20in Resistivity 2ft Res

90in Conductivity 2ft Res



4700

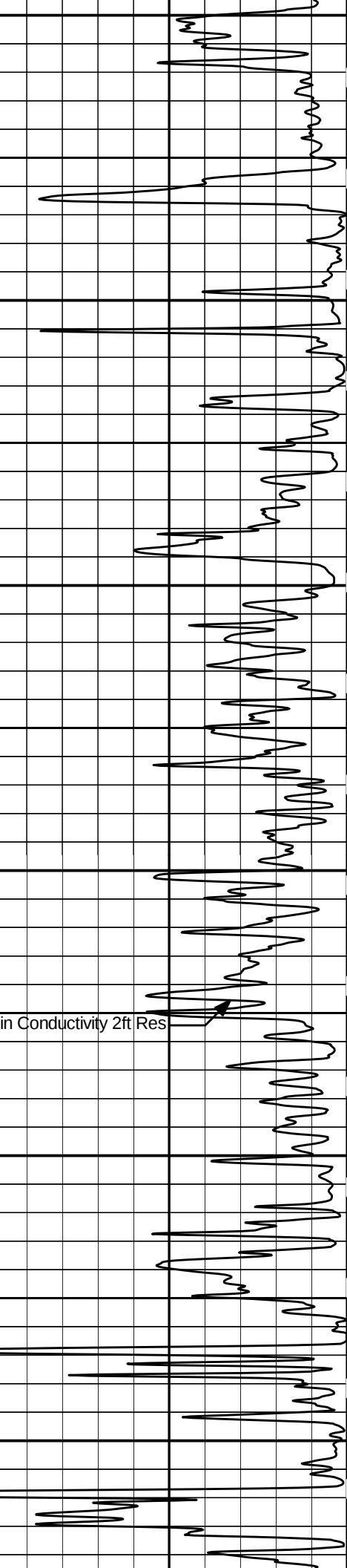
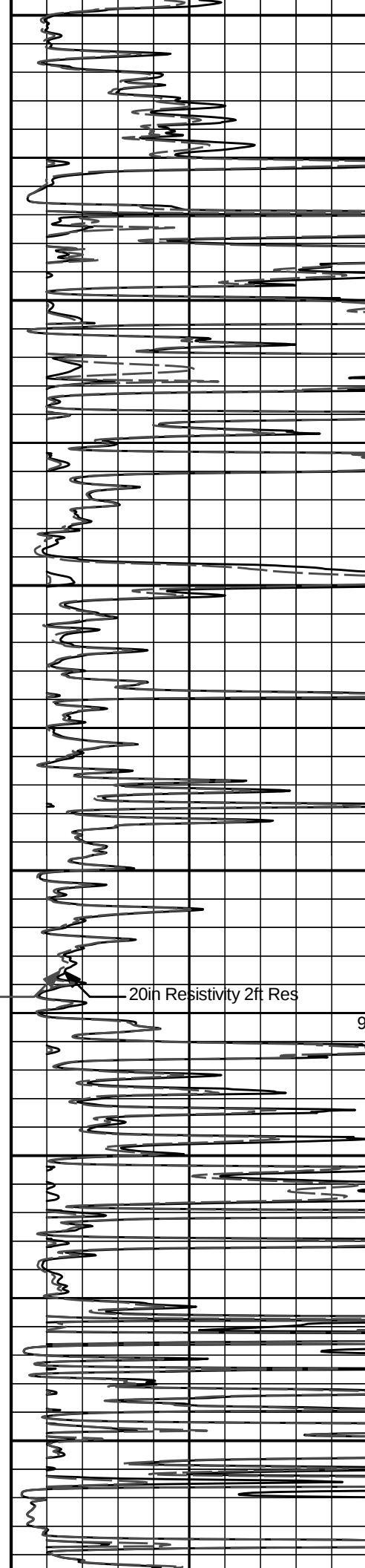
4800

4900

5000

5100

5200

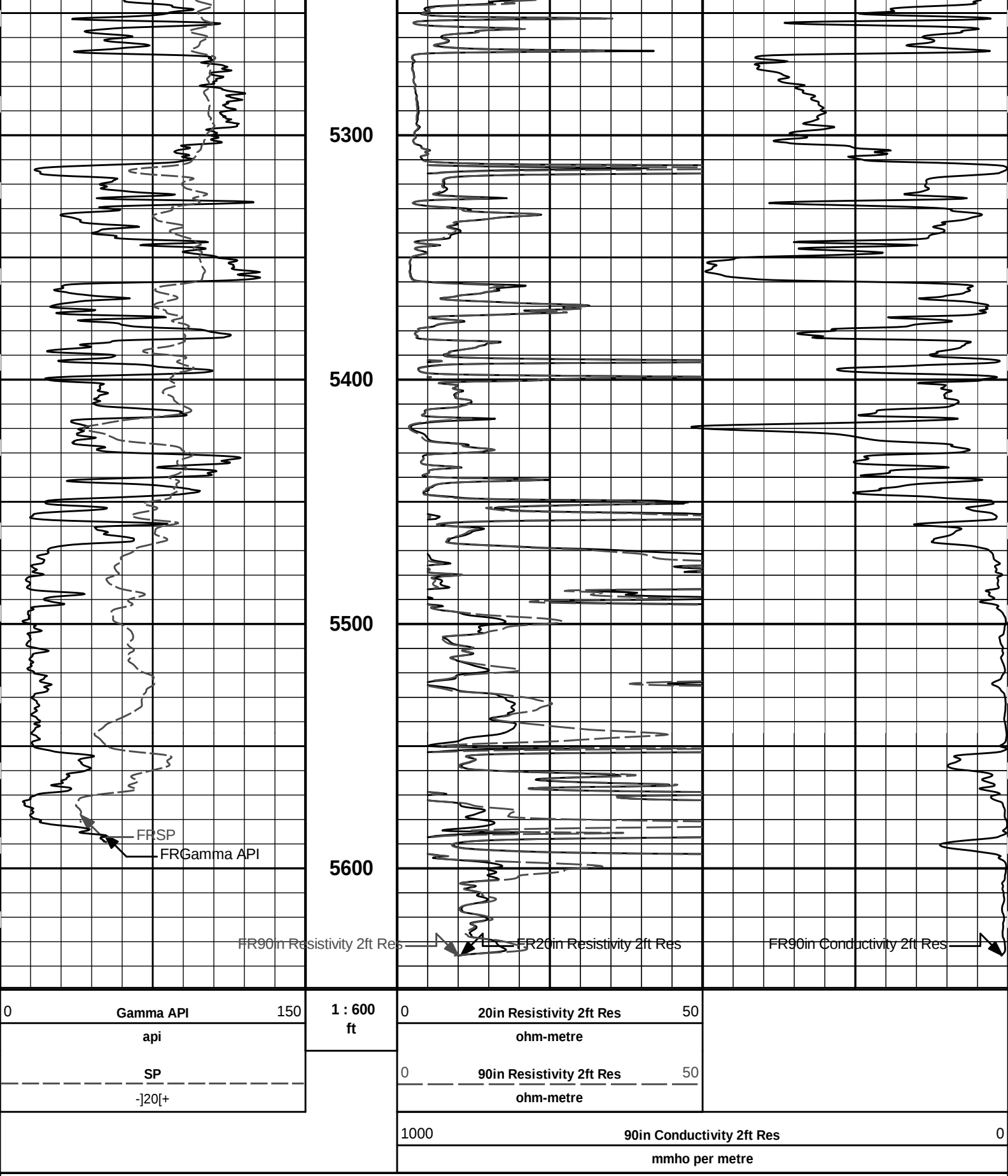


Gamma API

90in Resistivity 2ft Res

20in Resistivity 2ft Res

90in Conductivity 2ft Res

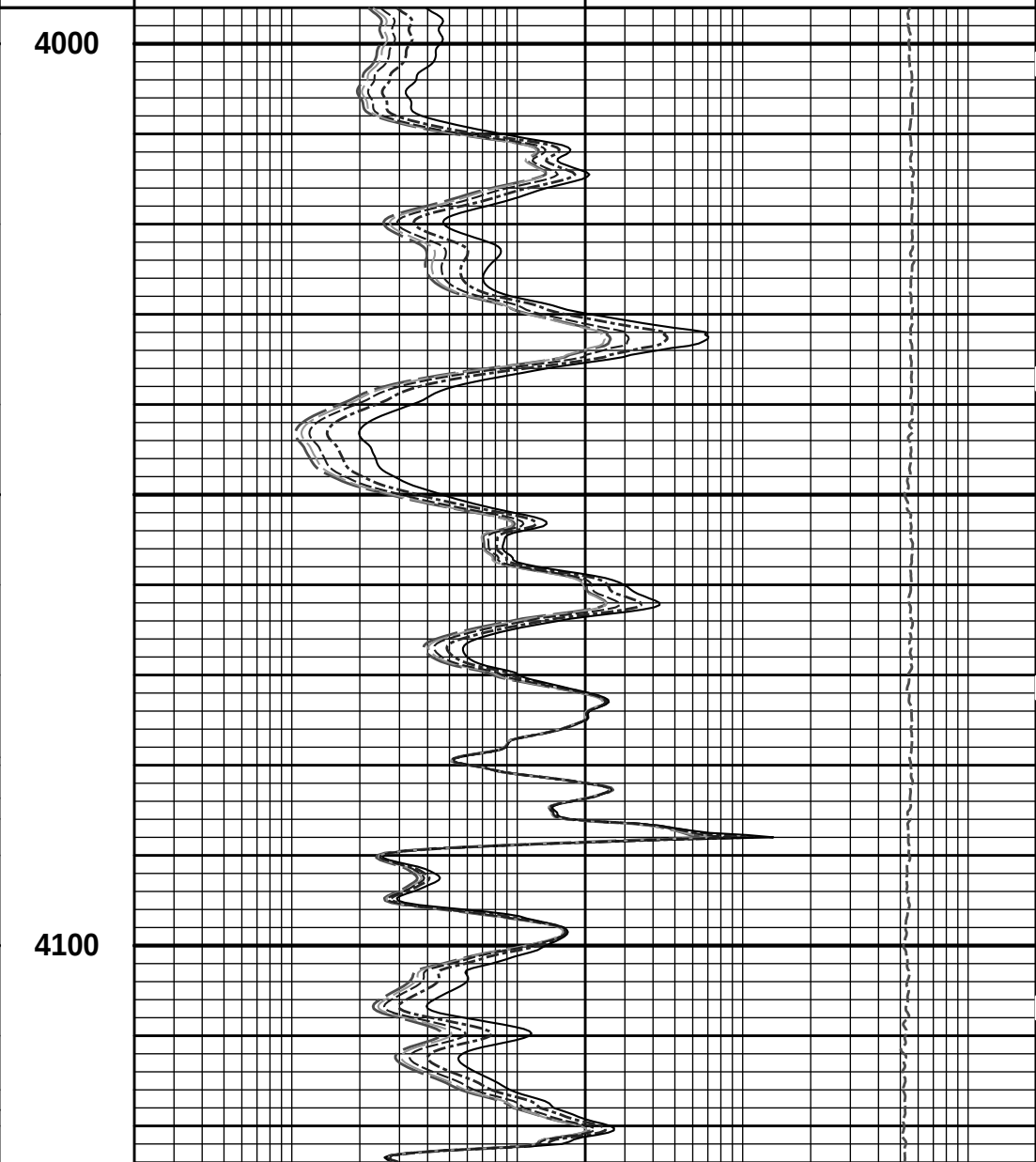
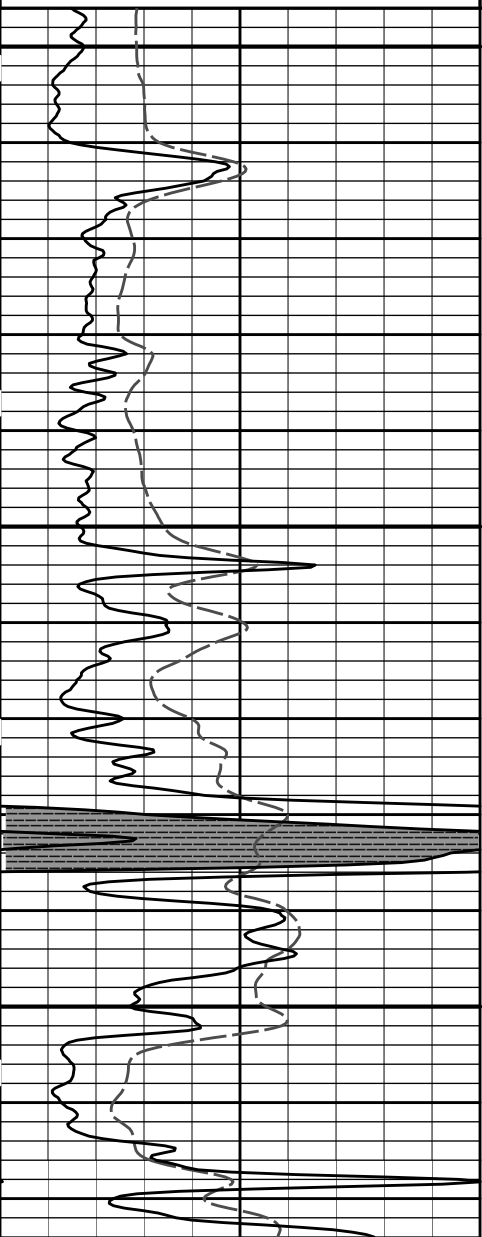


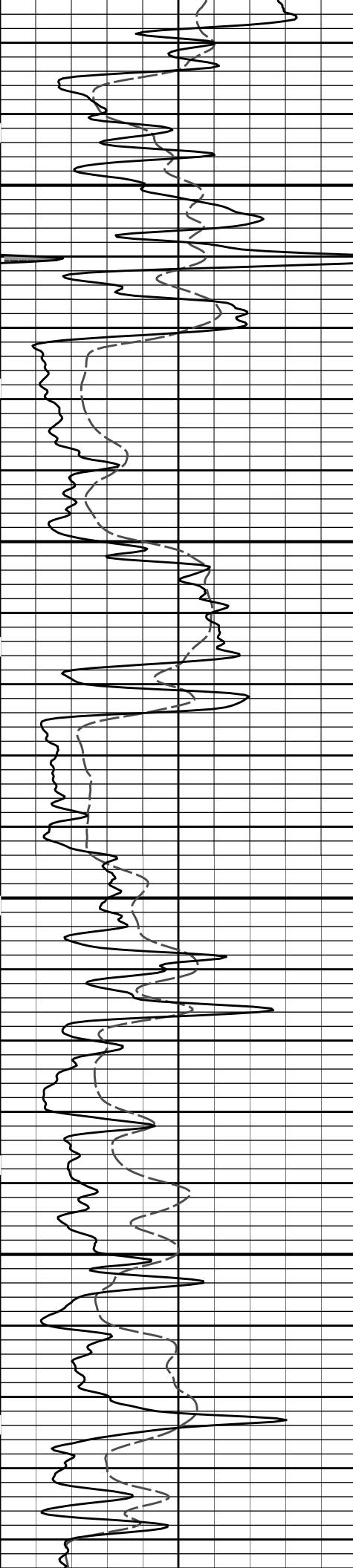
HALLIBURTON

Plot Time: 03-Jul-12 09:33:56
Plot Range: 1790 ft to 5648.92 ft
Data: FEIGHT_A_7\Well Based\IR1_CASING\
Plot File: \\LOCAL-1\FEIGHT_A_7\0001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CHIACRT\ACRT_2.lib

2 INCH MAIN LOG

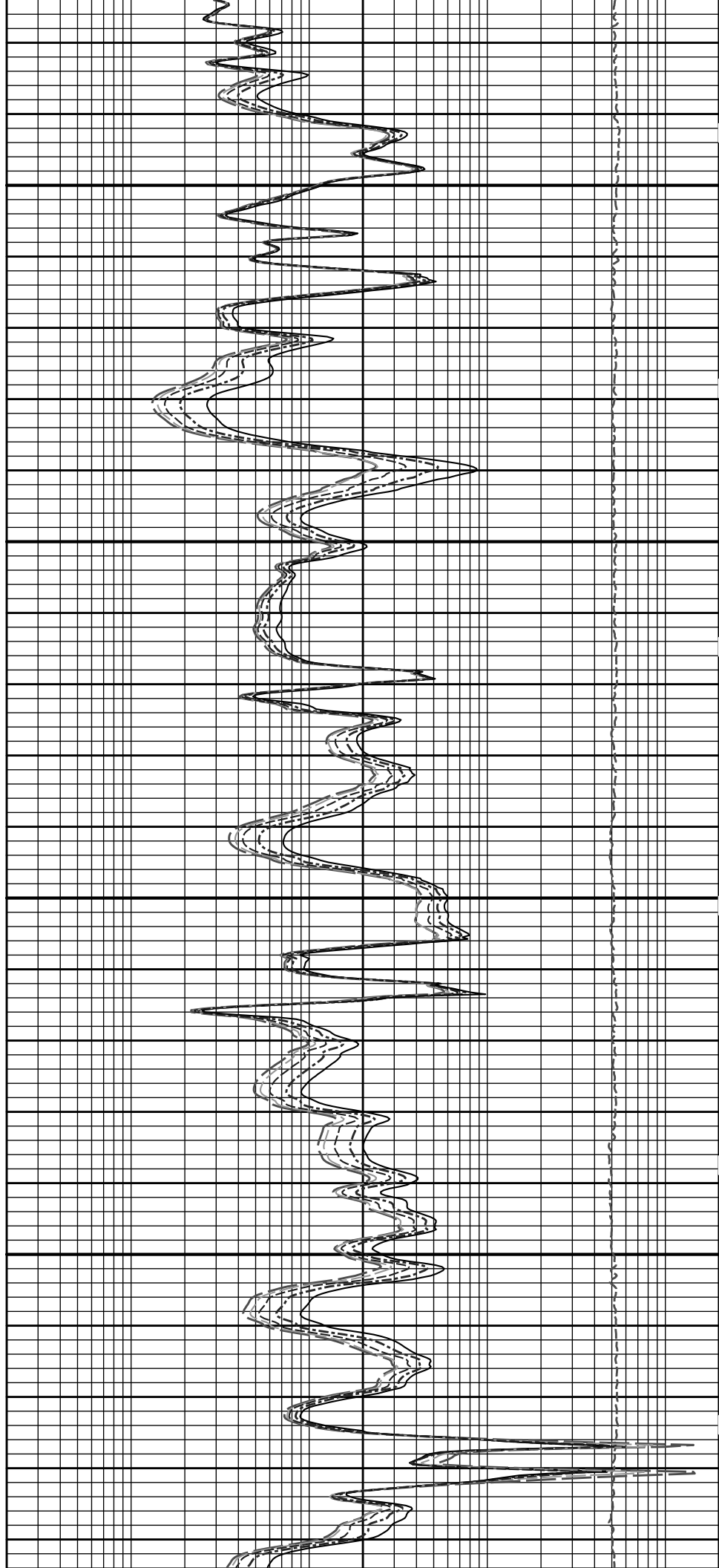
0.2	90in Resistivity 2ft Res	2000
	ohmm	
0.2	60in Resistivity 2ft Res	2000
	ohmm	
0.2	30in Resistivity 2ft Res	2000
	ohm-metre	
0.2	20in Resistivity 2ft Res	2000
	ohmm	
0.2	10in Resistivity 2ft Res	2000
	ohmm	
	10K	Tension
		pounds

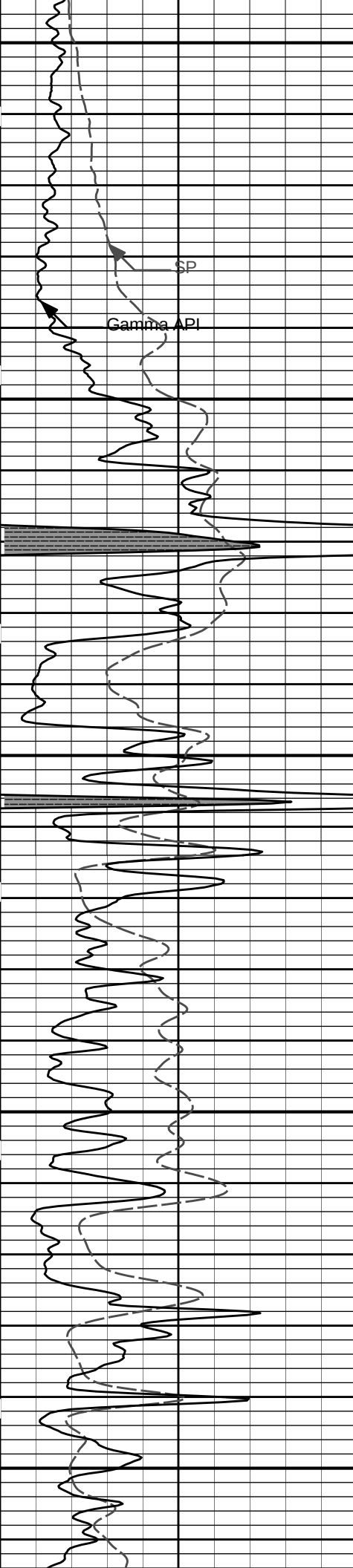




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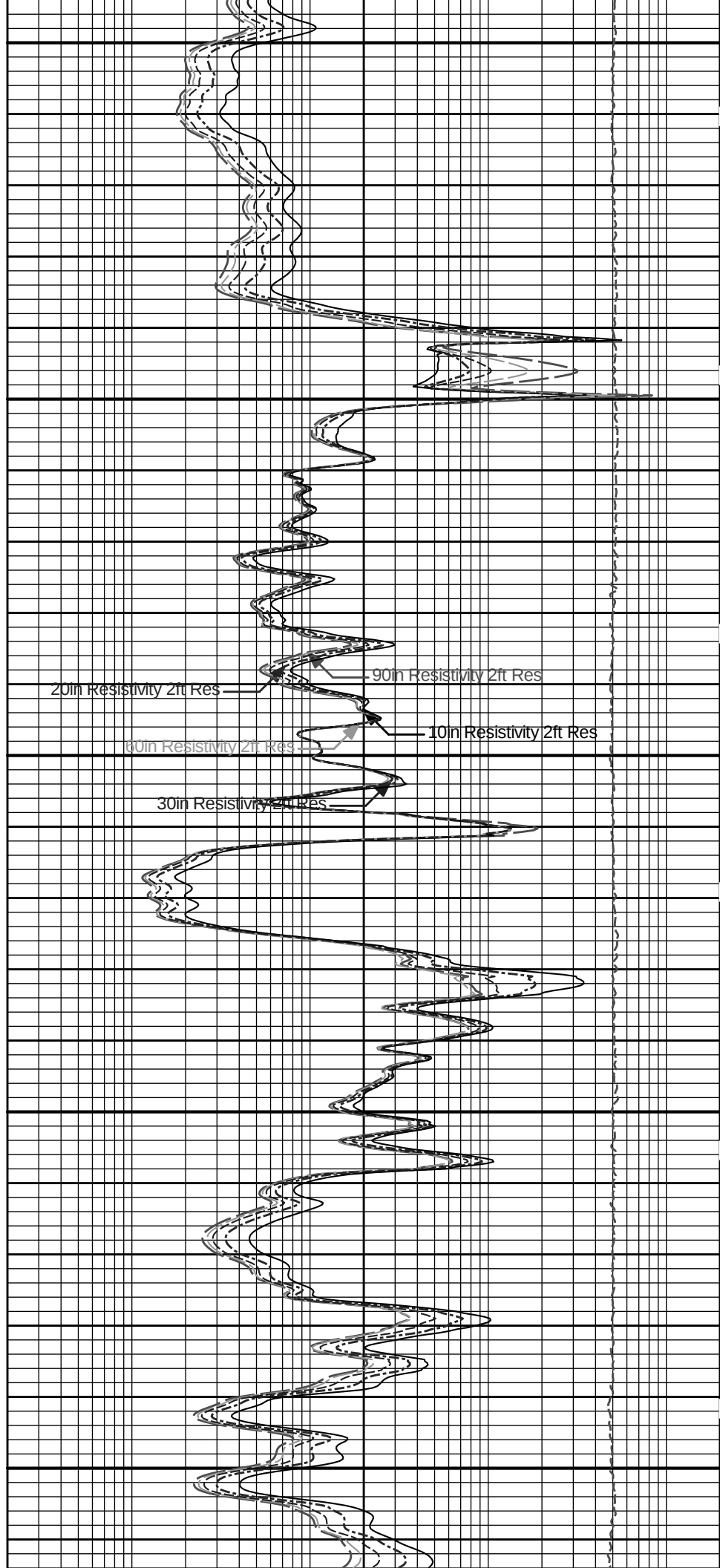
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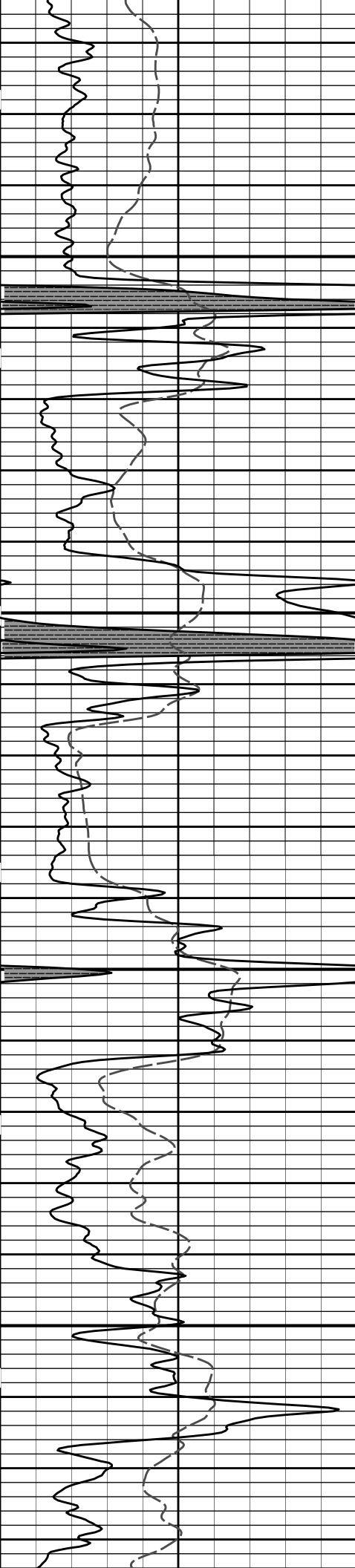




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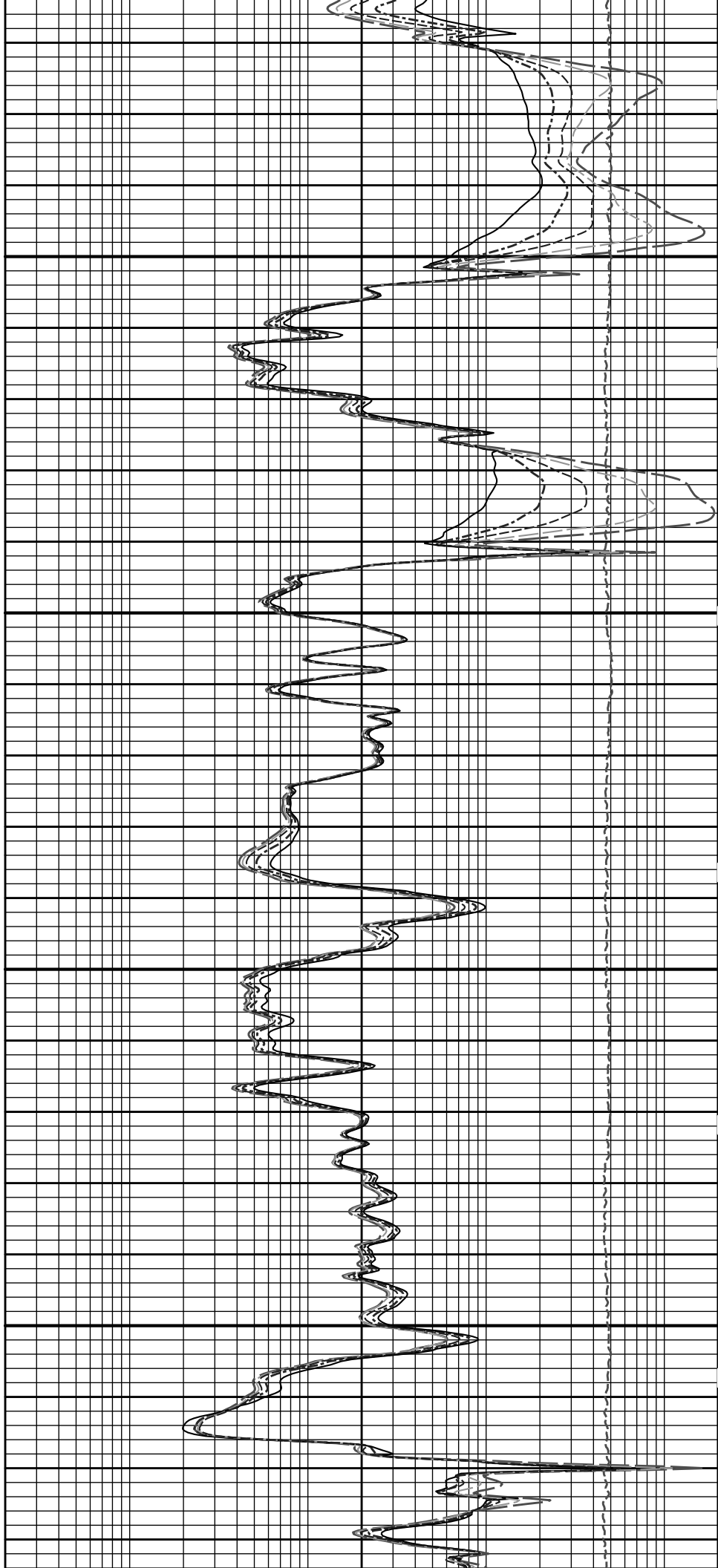
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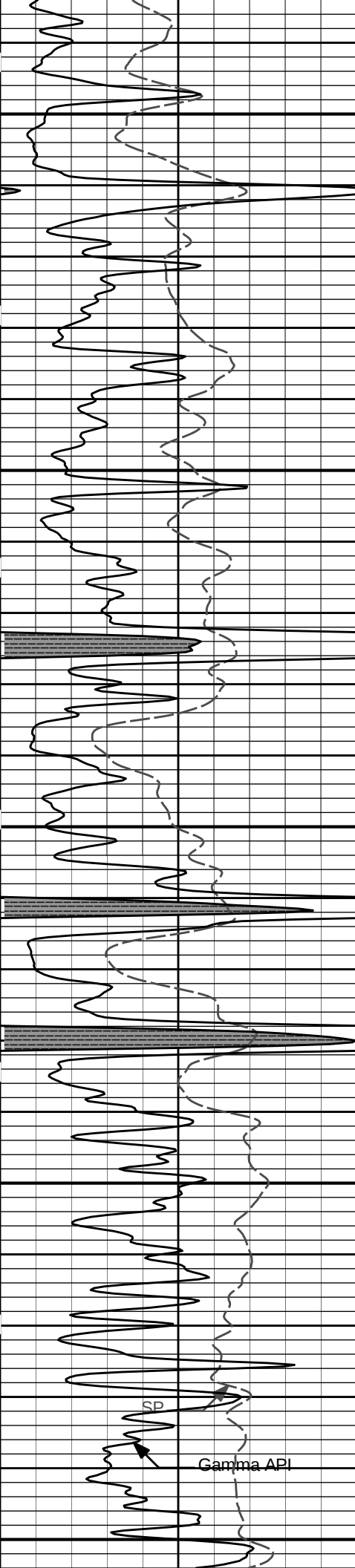




4600

4700



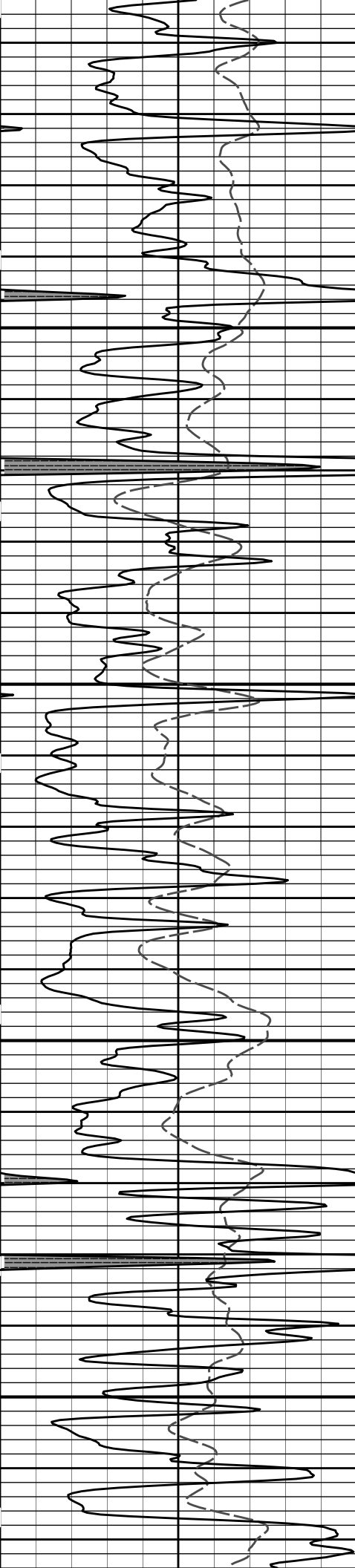


4800

4900

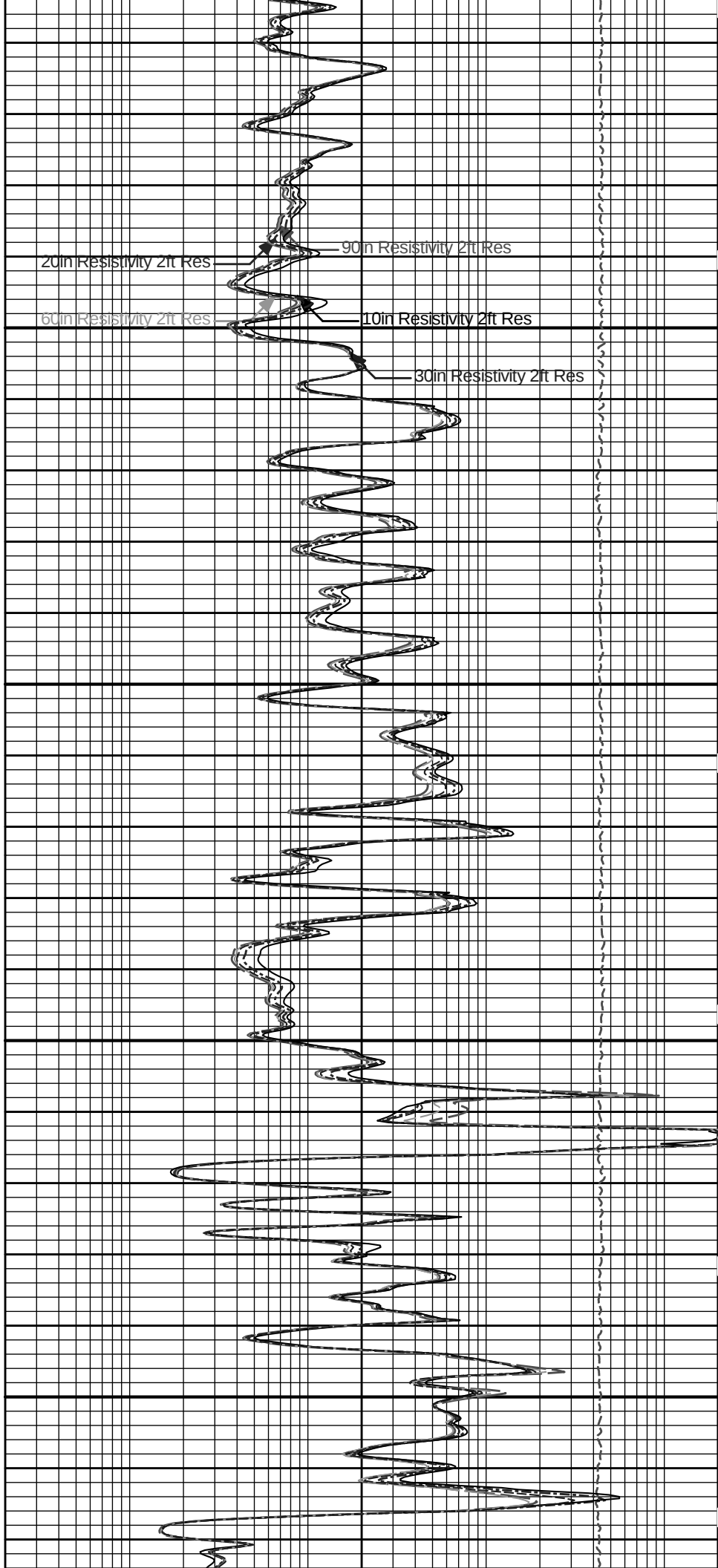
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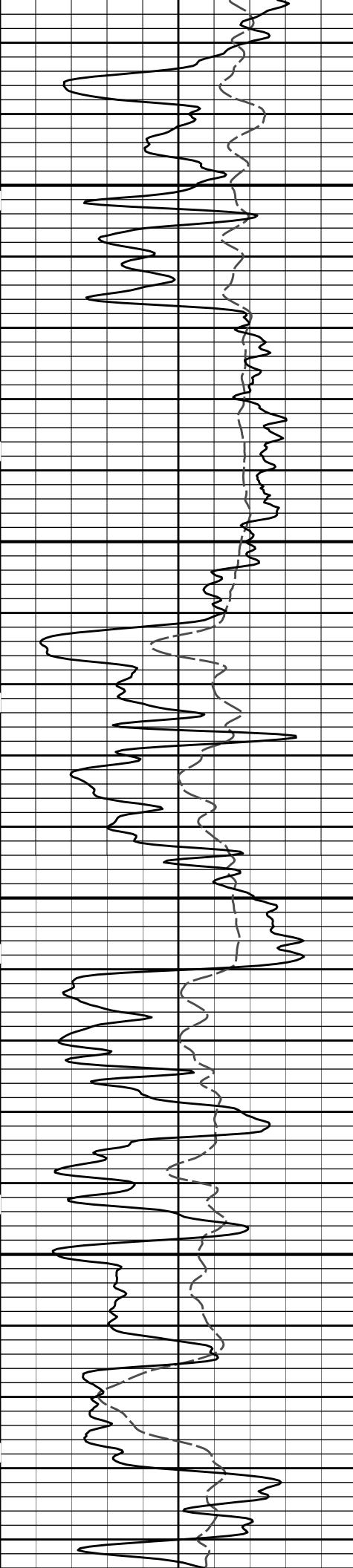
Gamma API



5100

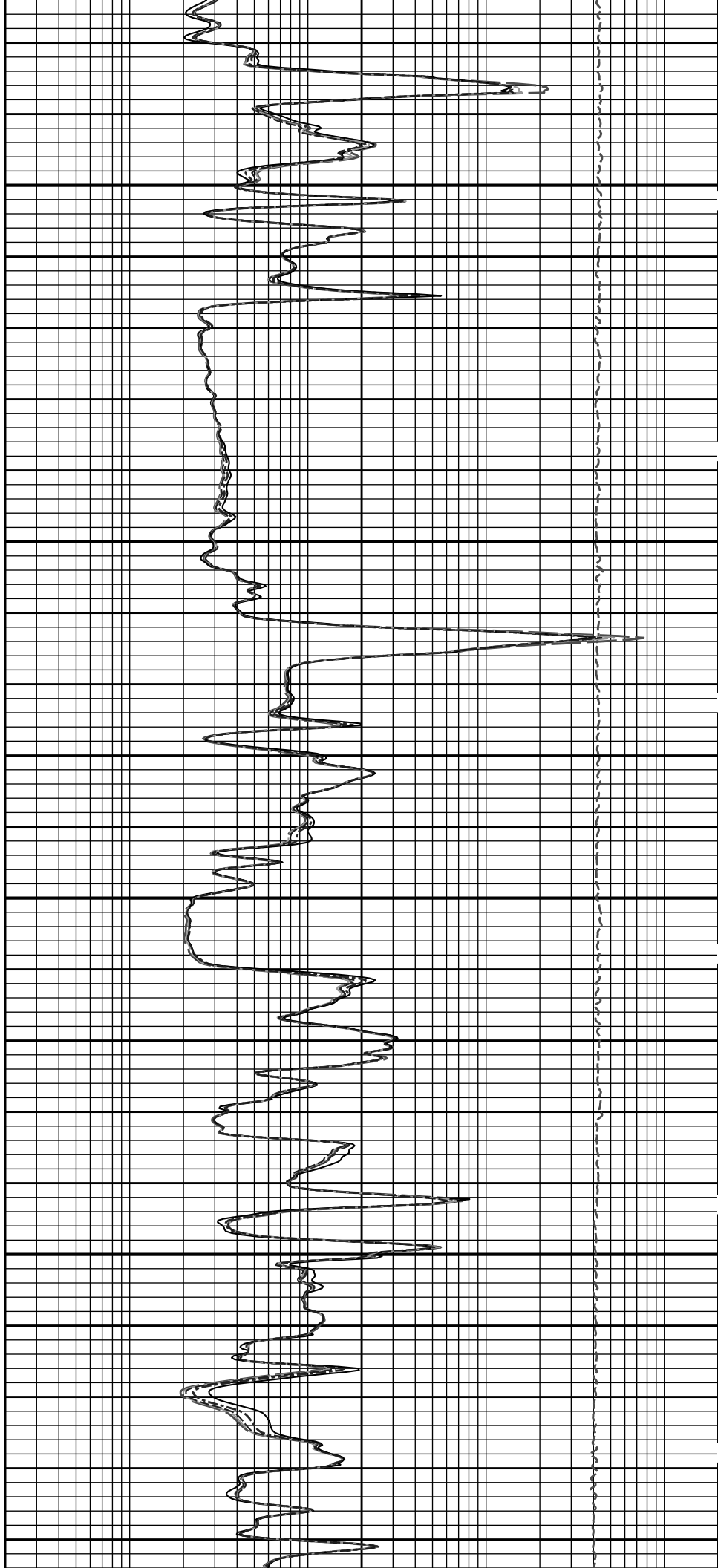
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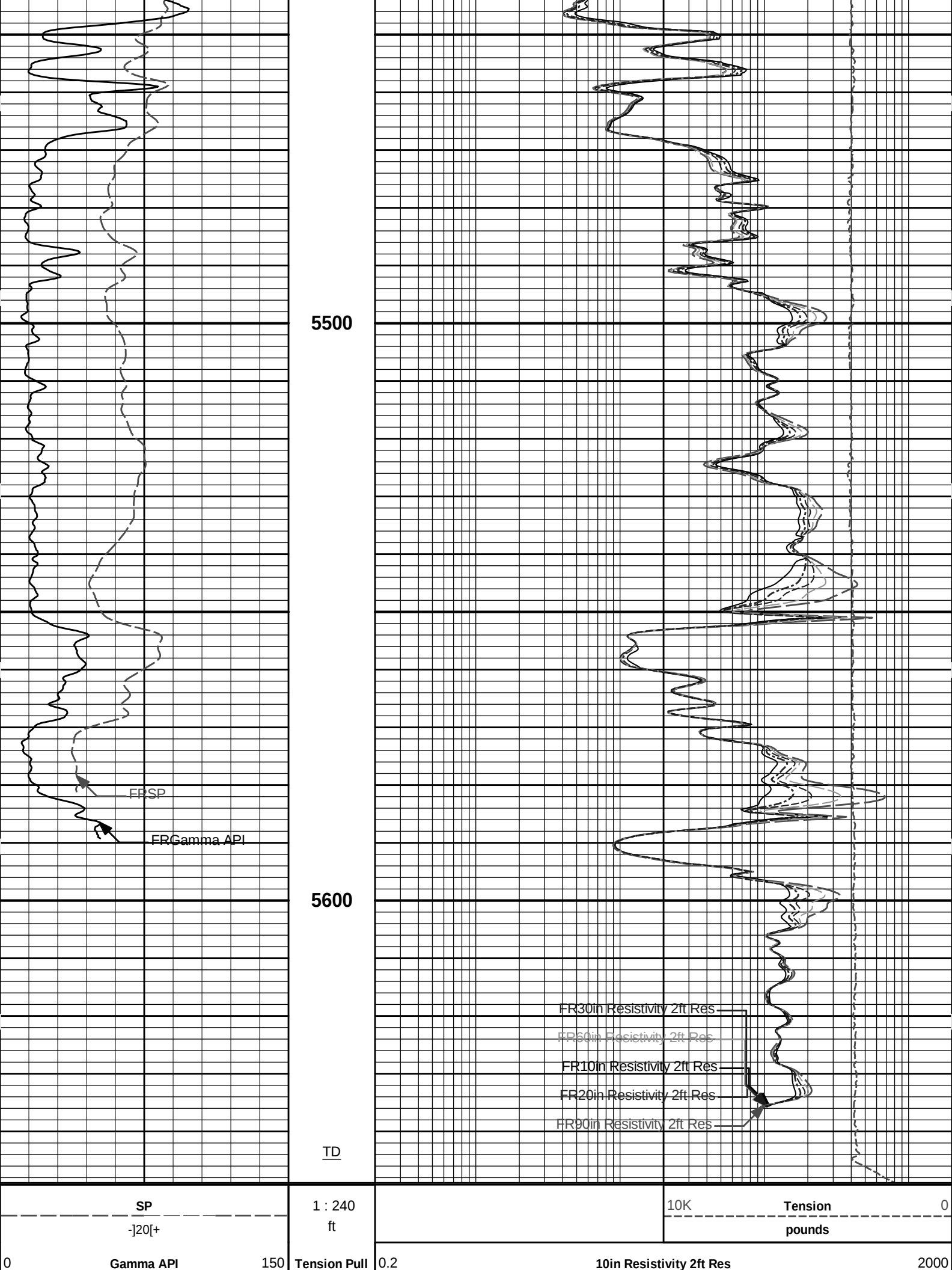




5300

5400





api	10	0	ohmm	
SHALE	Tension Pull	0.2	20in Resistivity 2ft Res	2000
			ohmm	
		0.2	30in Resistivity 2ft Res	2000
			ohm-metre	
		0.2	60in Resistivity 2ft Res	2000
			ohmm	
		0.2	90in Resistivity 2ft Res	2000
			ohmm	

HALLIBURTON

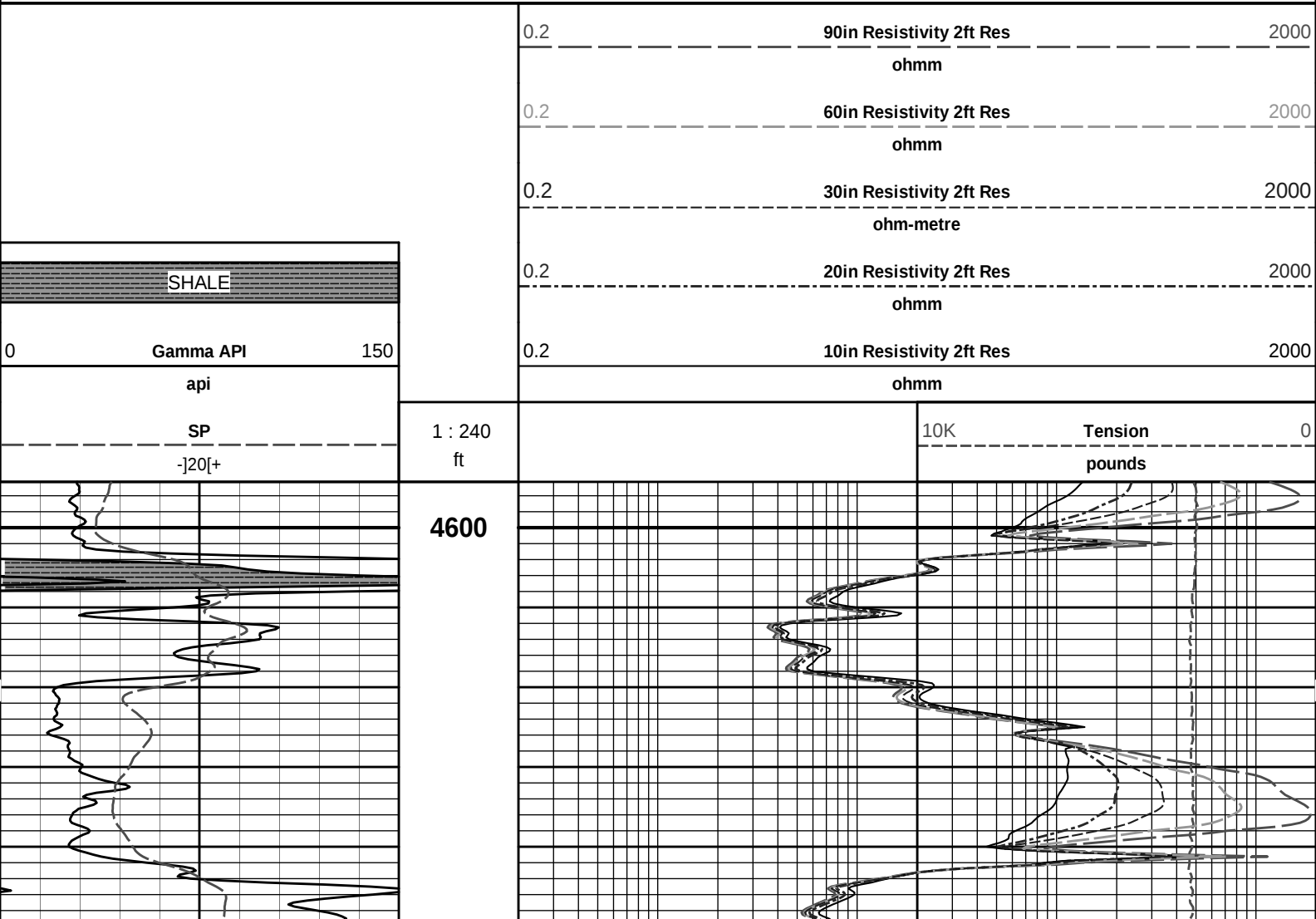
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Plot Range: 3996 ft to 5648.92 ft
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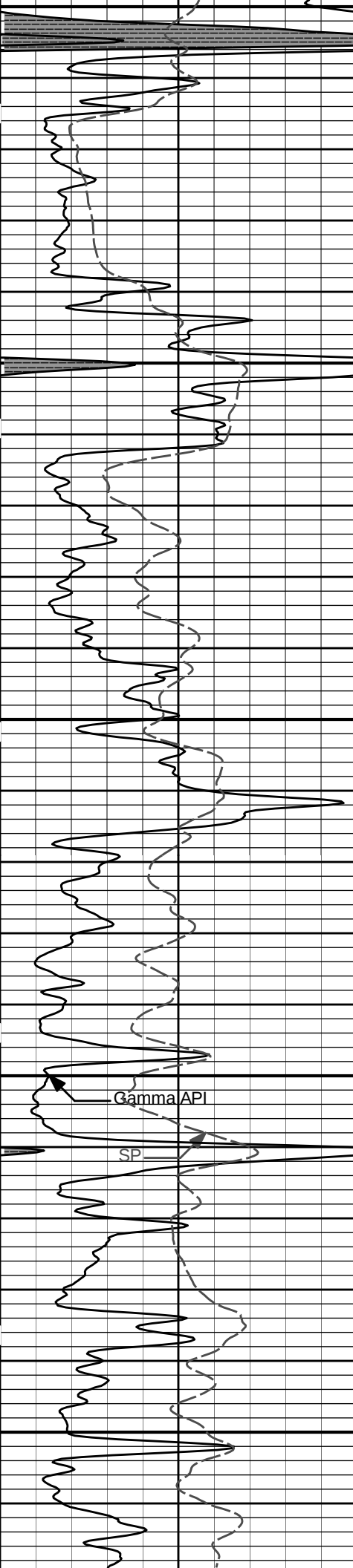
5 INCH MAIN LOG

HALLIBURTON

Plot Time: 03-Jul-12 09:34:00
Plot Range: 4594.25 ft to 5650.25 ft
Data: FEIGHT_A_7\Well Based\IR1_REPEAT\
Plot File: \\-LOCAL-\\FEIGHT_A_7\0001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CH\ACRT_5_repeat.lib

REPEAT SECTION



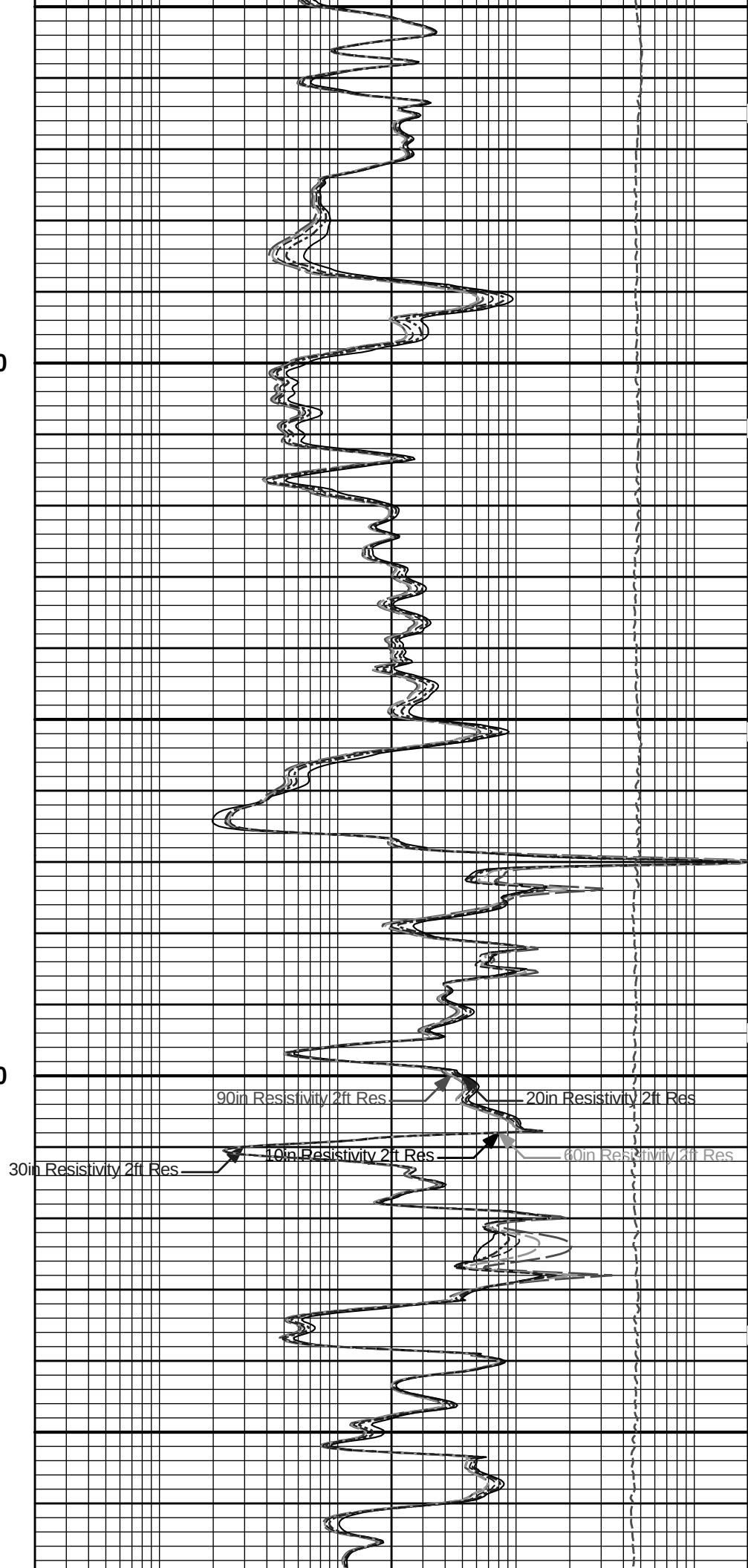


4700

4800

Gamma API

SP



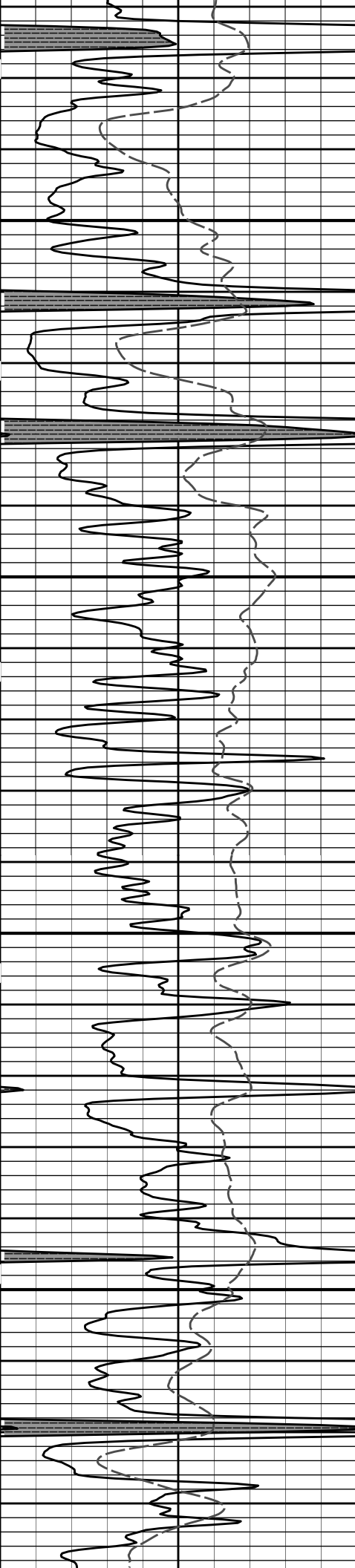
90in Resistivity 2ft Res

20in Resistivity 2ft Res

10in Resistivity 2ft Res

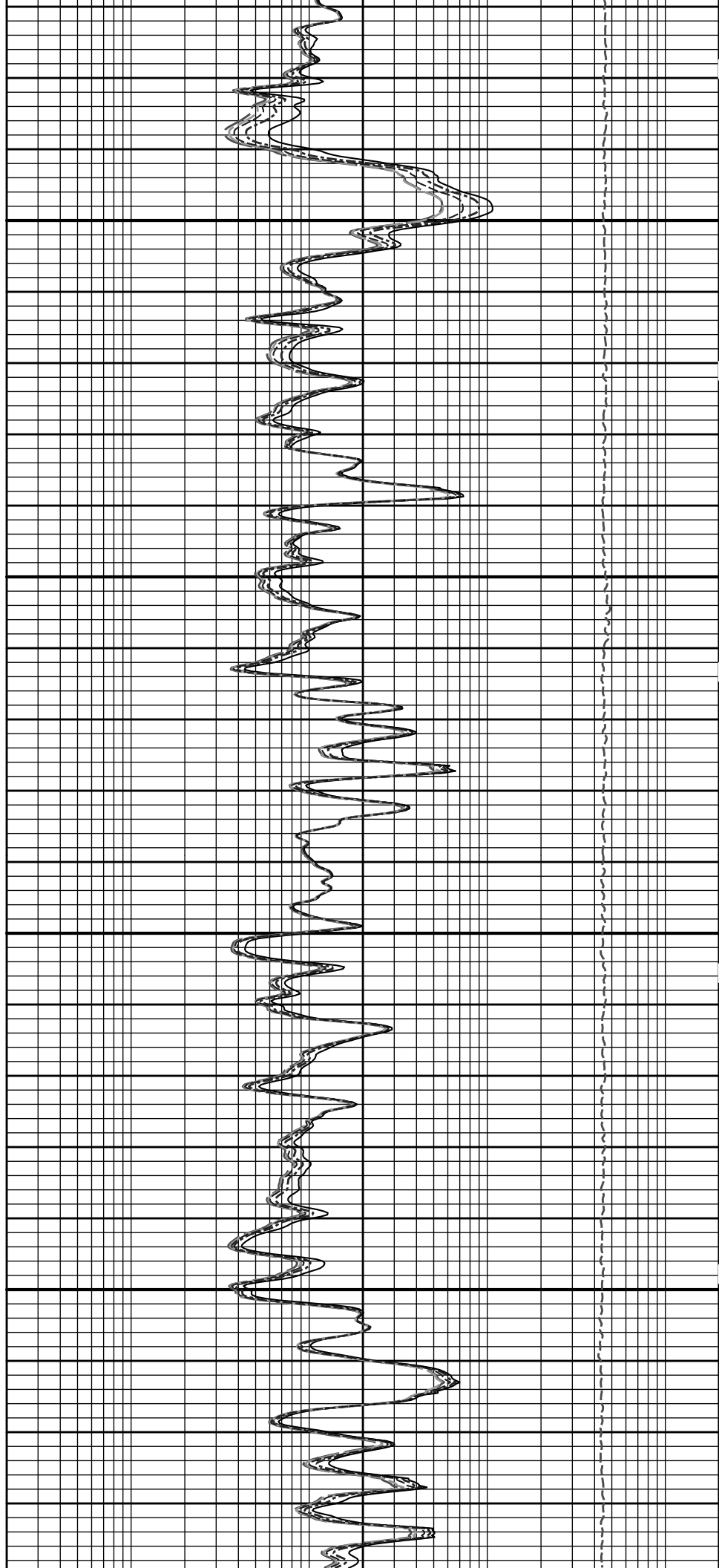
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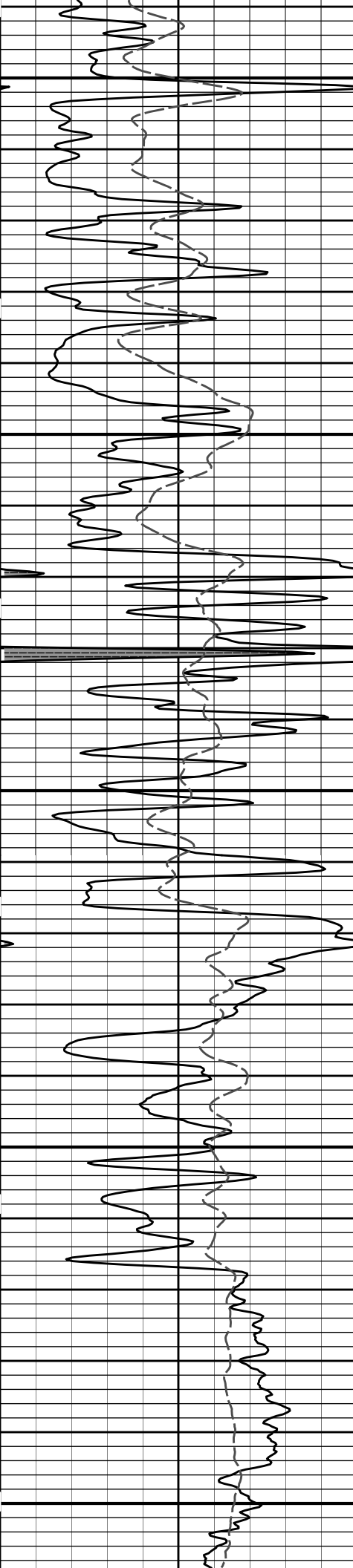
30in Resistivity 2ft Res



4900

5000

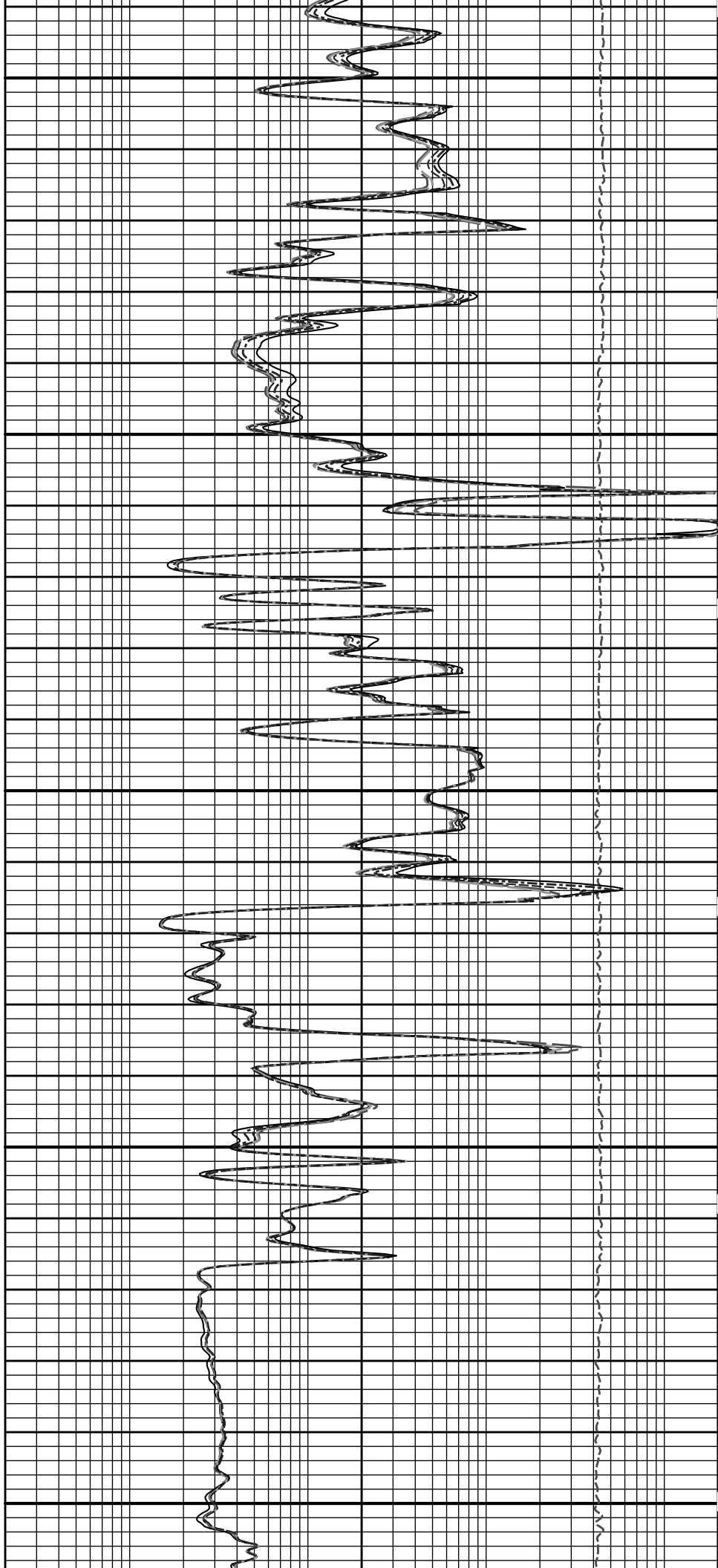


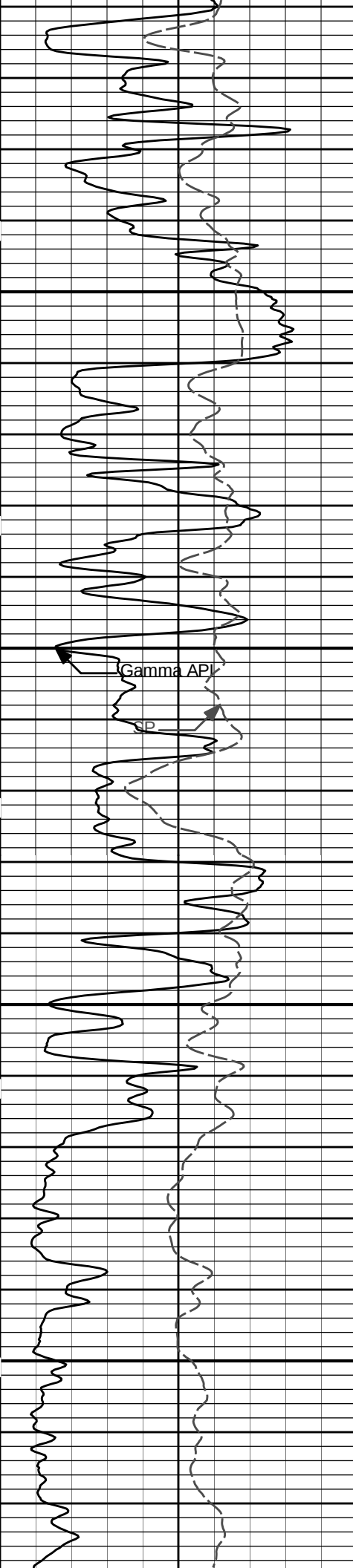


5100

5200

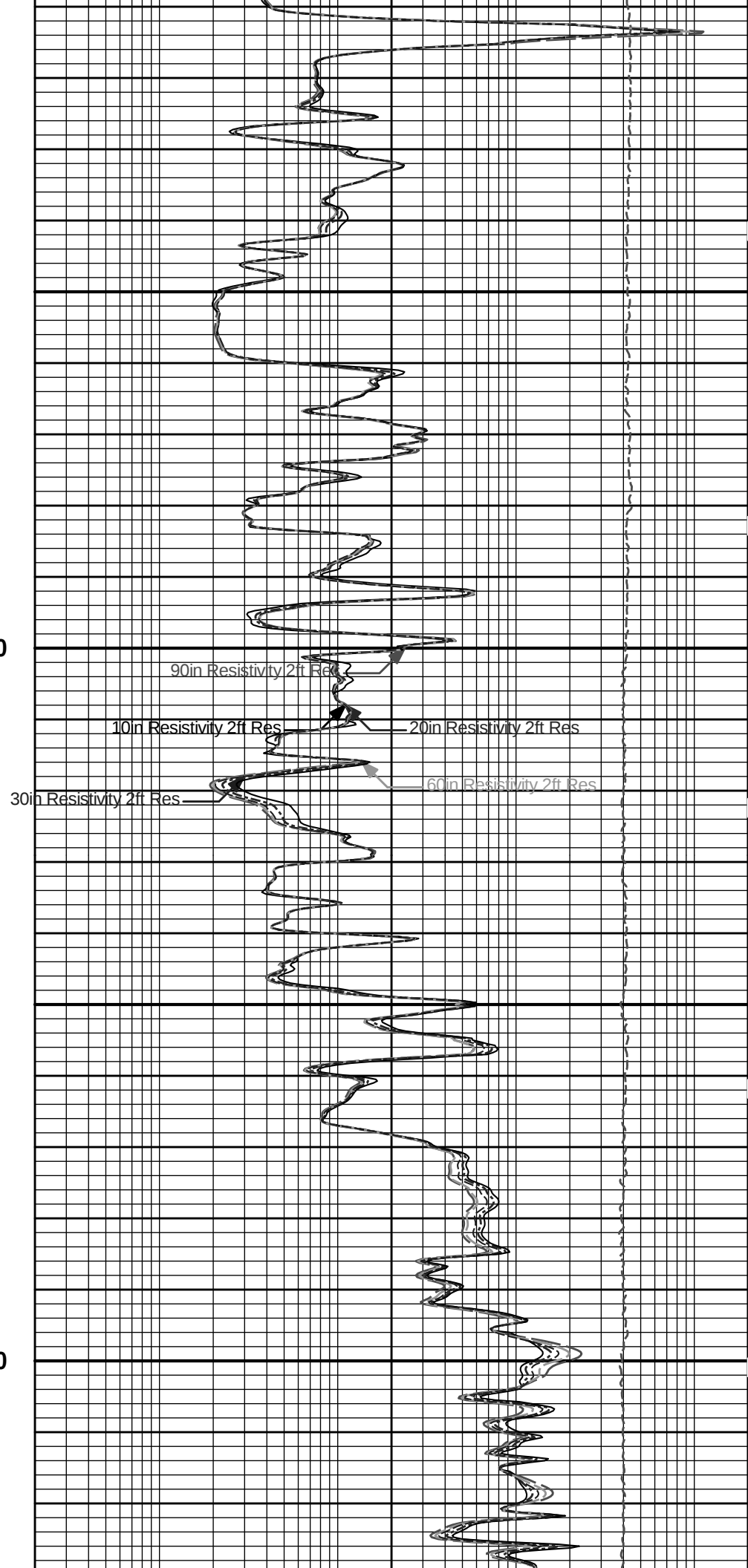
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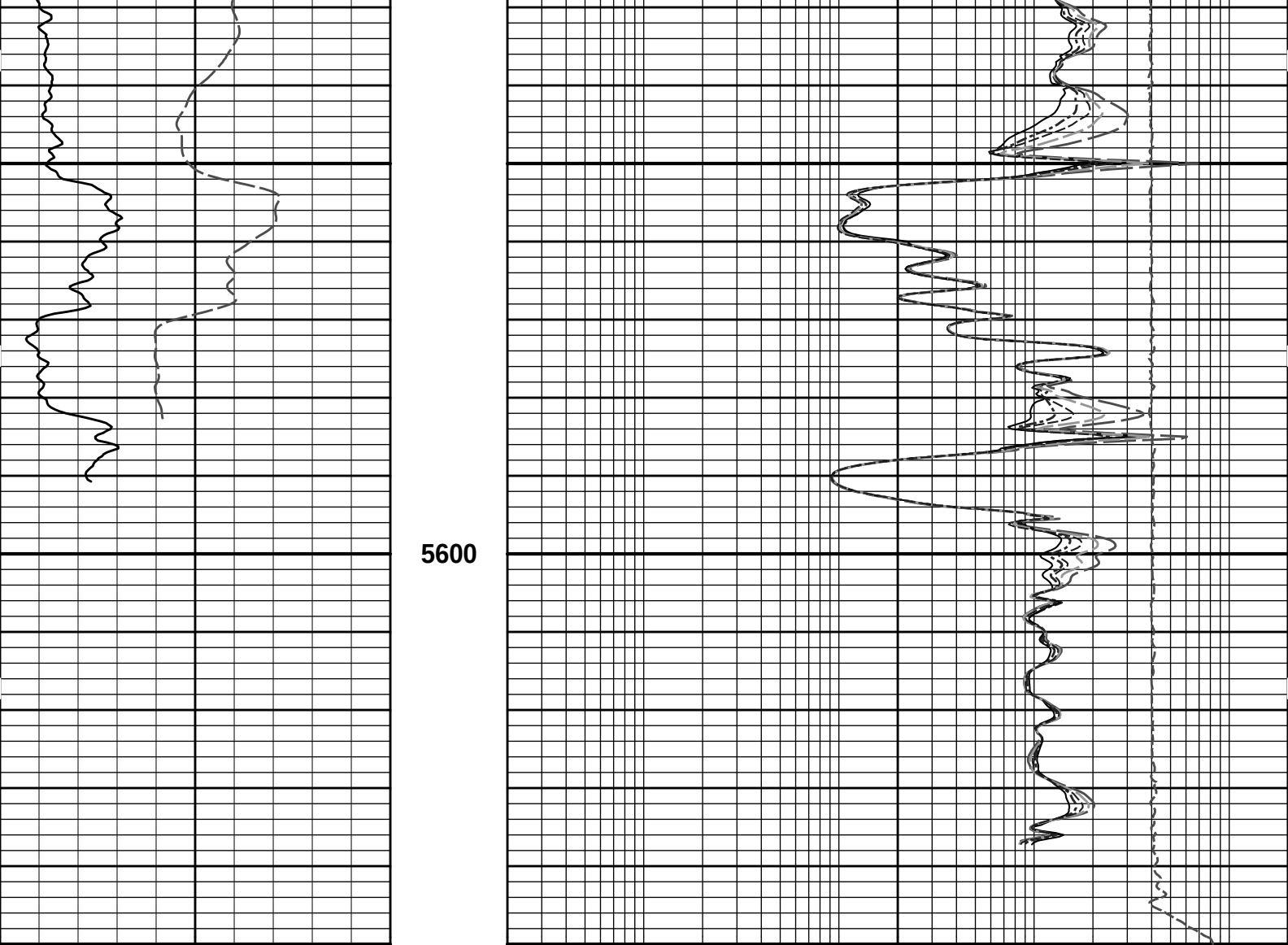




5400

5500





SP -]20[+ 0 Gamma API api SHALE 150	1 : 240 ft	10K		Tension	0
				pounds	
	0.2	10in Resistivity 2ft Res			2000
		ohmm			
		20in Resistivity 2ft Res			2000
		ohmm			
		30in Resistivity 2ft Res			2000
		ohm-metre			
	0.2	60in Resistivity 2ft Res			2000
		ohmm			
	0.2	90in Resistivity 2ft Res			2000
		ohmm			

HALLIBURTON

Plot Time: 03-Jul-12 09:34:10

Plot Range: 4594.25 ft to 5650.25 ft

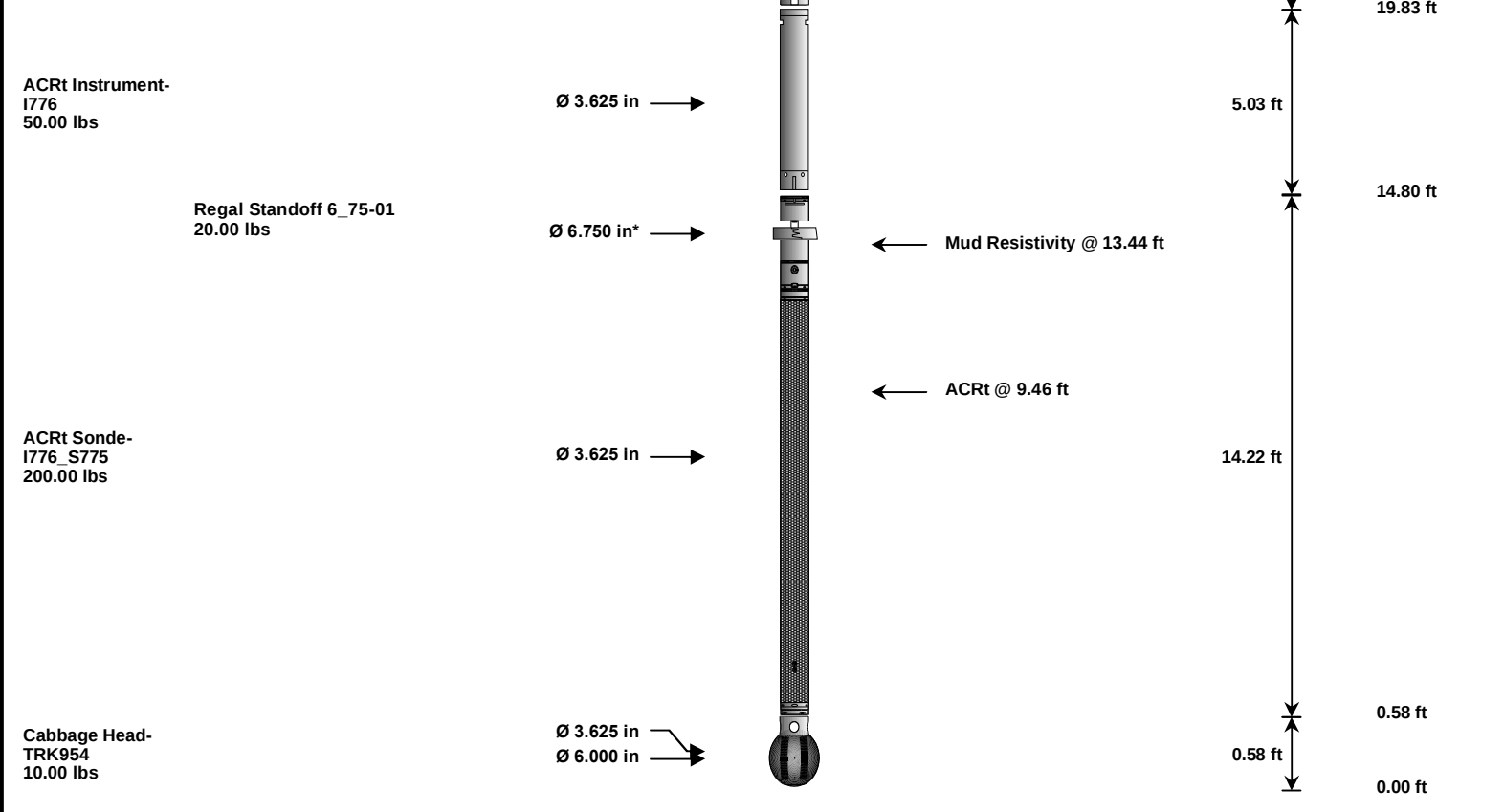
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Plot File: \\LOCAL-IFEIGHT_A_7\0001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CH\ACRT\ACRT_5_repeat.lib

REPEAT SECTION

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
Cable Head- PROT01 30.00 lbs		Ø 3.625 in →			1.92 ft	70.28 ft
SP Sub-11441709 60.00 lbs		Ø 3.625 in →		← SP @ 66.59 ft	3.74 ft	68.36 ft
GTET-10811258 165.00 lbs		Ø 3.625 in →		← GammaRay @ 58.56 ft	8.52 ft	64.63 ft
DSNT-10735145 174.00 lbs		Ø 3.625 in →		← DSN Far @ 49.17 ft ← DSN Near @ 48.42 ft	9.69 ft	56.11 ft
SDLT- I145_M73803_P90 360.00 lbs	SDLT Pad-90 65.00 lbs Microlog Pad- I145_M73803_P90 8.00 lbs	Ø 4.500 in → Ø 4.750 in* → Ø 4.750 in* →		Microlog @ 38.61 ft SDL Caliper @ 38.42 ft SDL @ 38.41 ft	10.81 ft	46.42 ft
						35.61 ft
BSAT-10747683 300.00 lbs		Ø 3.625 in →		← Sonic Receivers @ 27.09 ft	15.77 ft	



Mnemonic		Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
CH	Standard OH Cable Head		PROT01	30.00	1.92	68.36	300.00
SP	SP Sub		11441709	60.00	3.74	64.63	300.00
GTET	Gamma Telemetry Tool		10811258	165.00	8.52	56.11	60.00
DSNT	Dual Spaced Neutron		10735145	174.00	9.69	46.42	60.00
SDLT	Spectral Density Tool		I145_M73803_P90	360.00	10.81	35.61	60.00
MICP	Microlog Pad		I145_M73803_P90	8.00	1.00	*	38.11
SDLP	Density Insite Pad		90	65.00	2.55	*	37.82
BSAT	Borehole Sonic Array Tool		10747683	300.00	15.77	19.83	60.00
ACRt	Array Compensated True Resistivity Instrument Section		I776	50.00	5.03	14.80	300.00
ACRt	Array Compensated True Resistivity Sonde Section		I776_S775	200.00	14.22	0.58	300.00
RSOF	Regal Standoff 6.75in		01	20.00	0.52	*	13.53
CBHD	Cabbage Head		TRK954	10.00	0.58	0.00	300.00
Total				1,442.00	70.28		
* Not included in Total Length and Length Accumulation.							
Data: FEIGHT_A_7I0001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CHIDLE						Date: 03-Jul-12 06:00:41	

HALLIBURTON									
CALIBRATION REPORT									
ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION									
Tool Name:		ACRt Sonde - I776_S775				Reference Calibration Date:		21-Apr-12 13:40:21	
Engineer:		T. HYDE				Calibration Date:		06-Jun-12 13:43:38	
Software Version:		WL INSITE R3.4.2 (Build 2)				Calibration Version:		1	
Host Tool Name:		ACRt Instrument - I776							
TYPICAL GAIN RANGE									
Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.01	1.05	0.95	1.02	1.05	0.95	1.00	1.05

A2 (50")	0.95	1.01	1.05	0.95	1.02	1.05	0.95	1.01	1.05
A3 (29")	0.95	1.00	1.05	0.95	1.00	1.05	0.95	1.00	1.05
A4 (17")	0.95	1.01	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	0.99	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	-4.80	2	-6	-9.48	-2	-8	-12.43	-2
A2 (50")	-7	-2.75	0	-7	-4.01	0	-7	-3.96	0
A3 (29")	-27	-15.30	-9	-9	-5.61	-3	-7	-4.42	-1
A4 (17")	-180	-116.47	-60	-45	-45.36	-15	-39	-39.10	-13
A5 (10")	N/A	N/A	N/A	-150	-117.56	-50	-80	-65.31	-10
A6 (6")	N/A	N/A	N/A	175	267.74	525	90	159.57	270

TRANSMITTER CURRENT GAIN					R-MUD VERIFICATION			
Signal	Lower	R	Upper		Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
12K		0.6	0.88	1.3	Mud Cell	0.95	0.99	1.05
36K		1.0	1.20	2.0				
72K		1.0	1.47	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

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
ACRt Sonde-I776_S775						
Mud Cell	0.99	-----	-----	0.00	-----	ohm-m

Data: FEIGHT_A_7I0001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CHMIDLE	Date: 03-Jul-12 06:30:02
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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	9.200	ppg
	SHARED	WAGT	Weighting Agent	Natural	
	SHARED	BSAL	Borehole salinity	4000.00	ppm
	SHARED	FSAL	Formation Salinity NaCl	0.00	ppm
	SHARED	KPCT	Percent K in Mud by Weight?	0.00	%

SHARED	RMUD	Mud Resistivity	0.860	ohmm
SHARED	TRM	Temperature of Mud	80.0	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	5659.00	ft
SHARED	BHT	Bottom Hole Temperature	126.0	degF
SHARED	SVTM	Navigation and Survey Master Tool	NONE	
SHARED	AZTM	High Res Z Accelerometer Master Tool	GTET	
SHARED	TEMM	Temperature Master Tool	NONE	
SHARED	BHSM	Borehole Size Master Tool	NONE	
Rwa / CrossPlot	XPOK	Process Crossplot?	Yes	
Rwa / CrossPlot	FCHO	Select Source of F	Automatic	
Rwa / CrossPlot	AFAC	Archie A factor	0.6200	
Rwa / CrossPlot	MFAC	Archie M factor	2.1500	
Rwa / CrossPlot	RMFR	Rmf Reference	0.10	ohmm
Rwa / CrossPlot	TMFR	Rmf Ref Temp	75.00	degF
Rwa / CrossPlot	RWA	Resistivity of Formation Water	0.05	ohmm
Rwa / CrossPlot	ADP	Use Air Porosity to calculate CrossplotPhi	No	
GTET	GROK	Process Gamma Ray?	Yes	
GTET	GRSO	Gamma Tool Standoff	0.000	in
GTET	GEOK	Process Gamma Ray EVR?	No	
GTET	TPOS	Tool Position for Gamma Ray Tools.	Eccentered	
DSNT	DNOK	Process DSN?	Yes	
DSNT	DEOK	Process DSN EVR?	No	
DSNT	NLIT	Neutron Lithology	Limestone	
DSNT	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	
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 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: FEIGHT_A_710001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CHIDLE				Date: 03-Jul-12 06:29:07	

HALLIBURTON

INPUTS, DELAYS AND FILTERS TABLE

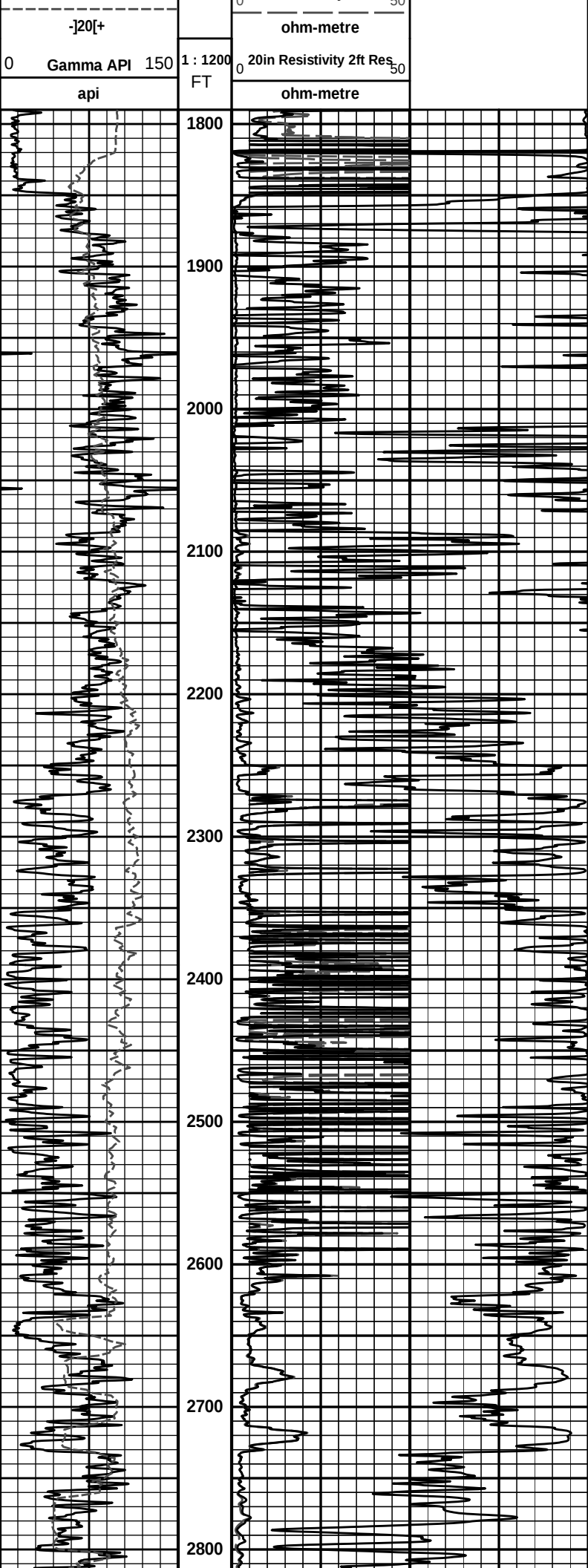
Mnemonic		Input Description	Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel					
TENS		Tension	0.00	NO	
SP Sub					
PLTC		Plot Control Mask	66.58	NO	
SP		Spontaneous Potential	66.58	BLK	1.250
SPR		Raw Spontaneous Potential	66.58	NO	
SPO		Spontaneous Potential Offset	66.58	NO	
GTET					
TPUL		Tension Pull	58.56	NO	
GR		Natural Gamma Ray API	58.56	TRI	1.750
GRU		Unfiltered Natural Gamma Ray API	58.56	NO	
EGR		Natural Gamma Ray API with Enhanced Vertical Resolution	58.56	W	1.416 , 0.750
ACCZ		Accelerometer Z	0.00	BLK	0.083
DEVI		Inclination	0.00	NO	
DSNT					
TPUL		Tension Pull	48.32	NO	
RNDS		Near Detector Telemetry Counts	48.42	BLK	1.417
RFDS		Far Detector Telemetry Counts	49.17	TRI	0.583
DNTT		DSN Tool Temperature	48.42	NO	
DSNS		DSN Tool Status	48.32	NO	
ERND		Near Detector Telemetry Counts EVR	48.42	BLK	0.000
ERFD		Far Detector Telemetry Counts EVR	49.17	BLK	0.000
ENTM		DSN Tool Temperature EVR	48.42	NO	
SDLT					
TPUL		Tension Pull	38.42	NO	
PCAL		Pad Caliper	38.42	TRI	0.250
ACAL		Arm Caliper	38.42	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	

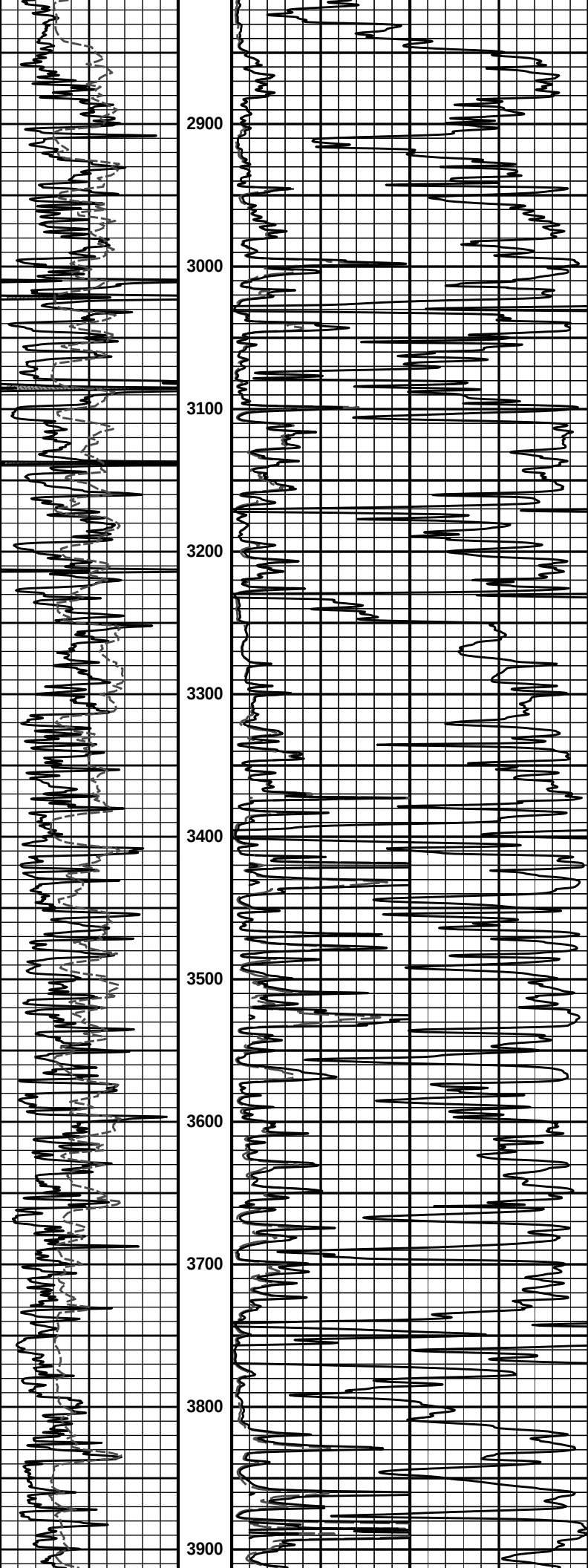
CMOD	Gain processing mode	19.03	NO	
ACRt Sonde				
TPUL	Tension Pull	2.97	NO	
F1R1	ACRT 12KHz - 80in R value	9.22	BLK	0.000
F1X1	ACRT 12KHz - 80in X value	9.22	BLK	0.000
F1R2	ACRT 12KHz - 50in R value	6.72	BLK	0.000
F1X2	ACRT 12KHz - 50in X value	6.72	BLK	0.000
F1R3	ACRT 12KHz - 29in R value	5.22	BLK	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 Reference 12 KHz Real Signal	2.97	BLK	0.000
F1XT	Transmitter Reference 12 KHz Imaginary Signal	2.97	BLK	0.000
F2RT	Transmitter Reference 36 KHz Real Signal	2.97	BLK	0.000
F2XT	Transmitter Reference 36 KHz Imaginary Signal	2.97	BLK	0.000
F3RT	Transmitter Reference 72 KHz Real Signal	2.97	BLK	0.000
F3XT	Transmitter Reference 72 KHz Imaginary Signal	2.97	BLK	0.000
TFPU	Upper Feedpipe Temperature Calculated	2.97	BLK	0.000
TFPL	Lower Feedpipe Temperature Calculated	2.97	BLK	0.000
ITMP	Instrument Temperature	2.97	BLK	0.000
TCVA	Temperature Correction Values Loop Off	2.97	NO	
TIDV	Instrument Temperature Derivative	2.97	NO	
TUDV	Upper Temperature Derivative	2.97	NO	
TLDV	Lower Temperature Derivative	2.97	NO	
TRBD	Receiver Board Temperature	2.97	NO	
GPIB Port				

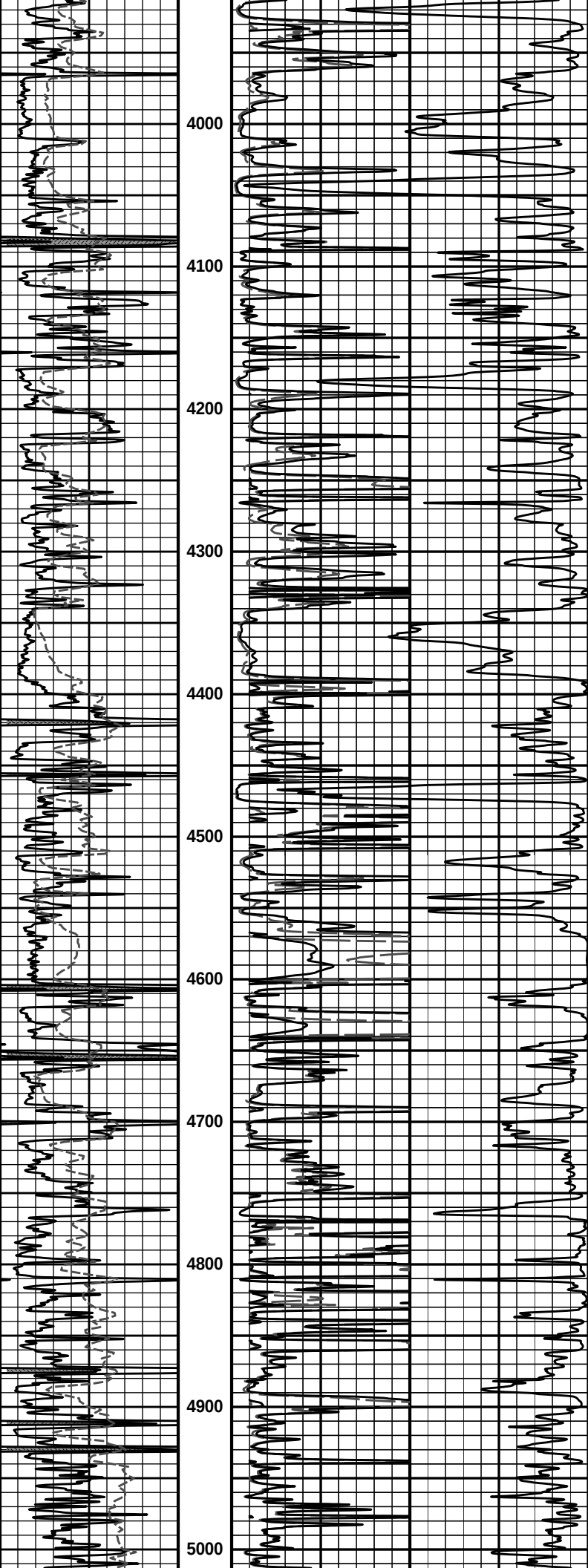
SDLT Pad				
TPUL	Tension Pull	38.41	NO	
NAB	Near Above	38.24	BLK	0.920
NHI	Near Cesium High	38.24	BLK	0.920
NLO	Near Cesium Low	38.24	BLK	0.920
NVA	Near Valley	38.24	BLK	0.920
NBA	Near Barite	38.24	BLK	0.920
NDE	Near Density	38.24	BLK	0.920
NPK	Near Peak	38.24	BLK	0.920
NLI	Near Lithology	38.24	BLK	0.920
NBAU	Near Barite Unfiltered	38.24	BLK	0.250
NLIU	Near Lithology Unfiltered	38.24	BLK	0.250
FAB	Far Above	38.58	BLK	0.250
FHI	Far Cesium High	38.58	BLK	0.250
FLO	Far Cesium Low	38.58	BLK	0.250
FVA	Far Valley	38.58	BLK	0.250
FBA	Far Barite	38.58	BLK	0.250
FDE	Far Density	38.58	BLK	0.250
FPK	Far Peak	38.58	BLK	0.250
FLI	Far Lithology	38.58	BLK	0.250
PTMP	Pad Temperature	38.42	BLK	0.920
NHV	Near Detector High Voltage	37.81	NO	
FHV	Far Detector High Voltage	37.81	NO	
ITMP	Instrument Temperature	37.81	NO	
DDHV	Detector High Voltage	37.81	NO	
Microlog Pad				
TPUL	Tension Pull	38.60	NO	
MINV	Microlog Lateral	38.60	BLK	0.750
MNOR	Microlog Normal	38.60	BLK	0.750
Data: FEIGHT_A_7I0001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CHIIDLE			Date: 03-Jul-12 06:29:19	

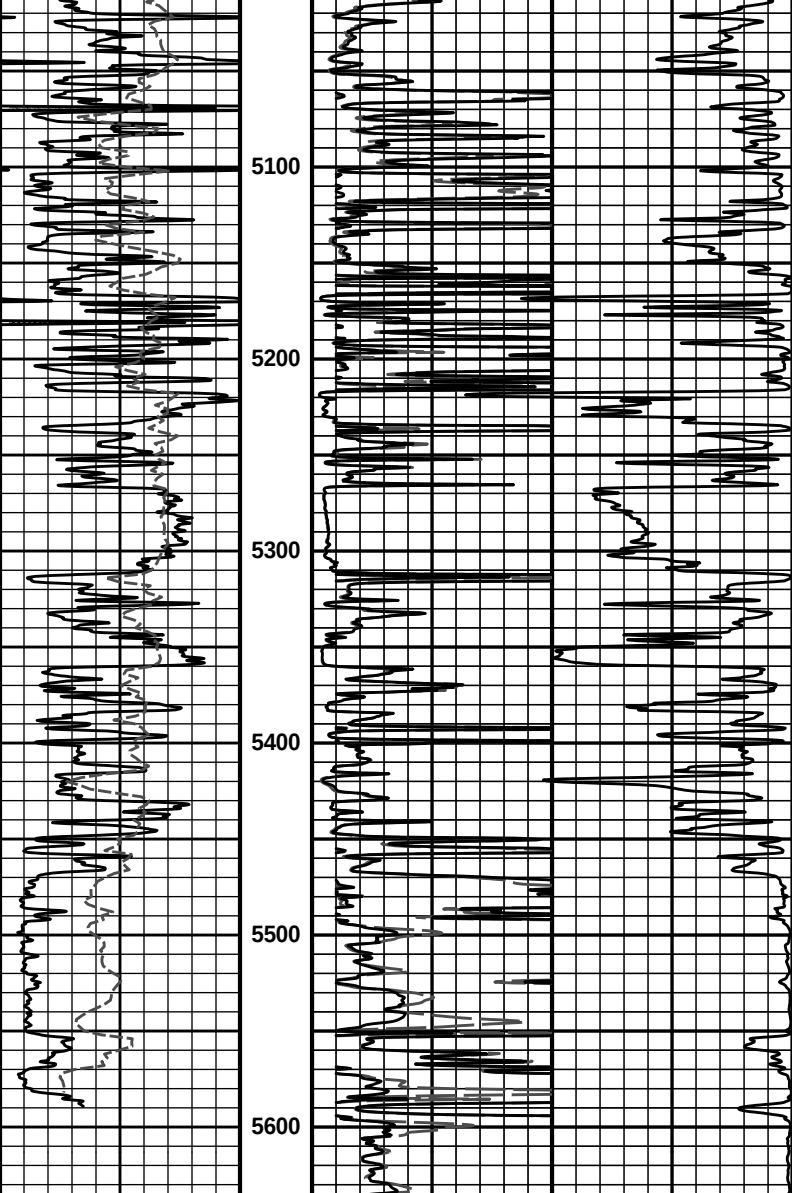
COMPANY	OXY USA INC		
WELL	FEIGHT A-7		
FIELD	VICTORY		
COUNTY	HASKELL	STATE	KANSAS
HALLIBURTON		ARRAY COMPENSATED TRUE RESISTIVITY LOG	

HALLIBURTON Plot Time: 03-Jul-12 09:34:10 Plot Range: 1790 ft to 5635.75 ft Data: FEIGHT_A_7\Well Based\R1_CASING\ Plot File: \\LOCAL-I\FEIGHT_A_7\...IACRT_1.lib			
1 INCH MAIN LOG			
		1000	90in Conductivity 2ft Res 0
		mmho per metre	
SP		90in Resistivity 2ft Res	









0	Gamma API	150	1 : 1200	0	20in Resistivity 2ft Res	50	
	api		FT		ohm-metre		
	SP			0	90in Resistivity 2ft Res	50	
	- 20 +				ohm-metre		
				1000	90in Conductivity 2ft Res	0	
					mmho per metre		

HALLIBURTON

Plot Time: 03-Jul-12 09:34:12
Plot Range: 1790 ft to 5635.75 ft
Data: FEIGHT_A_7\Well Based\R1_CASING\
Plot File: \\-LOCAL-\\FEIGHT_A_7\\...\\ACRT_1.lib

1 INCH MAIN LOG