HALLIBURTON

ARRAY COMPENSATED TRUE RESISTIVITY LOG

COMPANY	STRATA EXPLORATION
WELL	STAPLETON 6-10
FIELD	DIADEN
COUNTY	HASKELL
STATE	KANSAS

COMPANY **STRATA EXPLORATION**
WELL **STAPLETON 6-10**
FIELD **DIADEN**
COUNTY **HASKELL** STATE **KANSAS**

API No. 15-081-21959
Location 335' FNL & 2590' FEL

Other Services:
DSNT/SDLT
ML

Sect. 10 Twp. 30S Rge. 32W

Permanent Datum	GL	Elev. 2891.0 ft	Elev.: K.B.	2904.0 ft
Log measured from	KB	, 13.0 ft above perm. Datum	D.F.	2903.0 ft
Drilling measured from	KB		G.L.	2891.0 ft

Date		23-Aug-11					
Run No.		ONE					
Depth - Driller		5625.00 ft					
Depth - Logger		5620.0 ft					
Bottom - Logged Interval		5611 ft					
Top - Logged Interval		1843 ft					
Casing - Driller		8.625 in @ 1846.0 ft		@		@	
Casing - Logger		1843.0 ft					
Bit Size		7.875 in		@		@	
Type Fluid in Hole		WATER BASED MUD					
Density	Viscosity	9.1 ppg	60.00 s/qt				
PH	Fluid Loss	9.50 pH	9.2 cptm				
Source of Sample		FLOW LINE					
Rm @ Meas. Temperature		0.740 ohmm @ 110.00 degF		@		@	
Rmf @ Meas. Temperature		0.60 ohmm @ 100.00 degF		@		@	
Rmc @ Meas. Temperature		0.900 ohmm @ 100.00 degF		@		@	
Source Rmf	Rmc	MEASURED	MEASURED				
Rm @ BHT		0.63 ohmm @ 130.0 degF		@		@	
Time Since Circulation		3.8 hr					
Time on Bottom		23-Aug-11 21:00					
Max. Rec. Temperature		130.0 degF @ 5620.0 ft		@		@	
Equipment	Location	10782954	LIBERAL				
Recorded By		C. MARLOWE					
Witnessed By		J. CHRISTENSEN		B. KINNEY			

Fold here

Service Ticket No.: 8417580 API Serial No.: 15-081-21959 PGM Version: WL INSITE R3.2.5 (Build 2)

CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE					
Date	Sample No.				
Depth-Driller					
Type Fluid in Hole					
Density	Viscosity				
Ph	Fluid Loss				
Source of Sample					
Rm @ Meas. Temp		@		@	
Rmf @ Meas. Temp.		@		@	
Rmc @ Meas. Temp.		@		@	
Source Rmf	Rmc				
Rm @ BHT		@		@	
Rmf @ BHT		@		@	
Rmc @ BHT		@		@	

RESISTIVITY SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

RESISTIVITY EQUIPMENT DATA

Run No.	Tool Type & No.	Pad Type	Tool Pos.	Other
ONE	ACRT	N/A	1.5" S.O.	N/A
	I776_S775			

EQUIPMENT DATA

GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run No.	ONE	Run No.		Run No.		Run No.	
Serial No.	10748374	Serial No.		Serial No.		Serial No.	
Model No.	GTET	Model No.		Model No.		Model No.	
Diameter	3.625"	No. of Cent.		Diameter		Diameter	
Detector Model No.	T-102	Spacing		Log Type		Log Type	
Type	SCINT			Source Type		Source Type	
Length	8"	LSA [Y/N]		Serial No.		Serial No.	
Distance to Source	10'	FWDA [Y/N]		Strength		Strength	

LOGGING DATA

GENERAL	GAMMA	ACOUSTIC	DENSITY	NEUTRON

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									

DIRECTIONAL INFORMATION

Maximum Deviation @	KOP @

Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING

CHLORIDES REPORTED AT 2900 PPM

SP/GTET/DSNT/SDLT/ACRT RUN IN COMBINATION

GPS COORDINATES: 37°27' N & 100°48' W

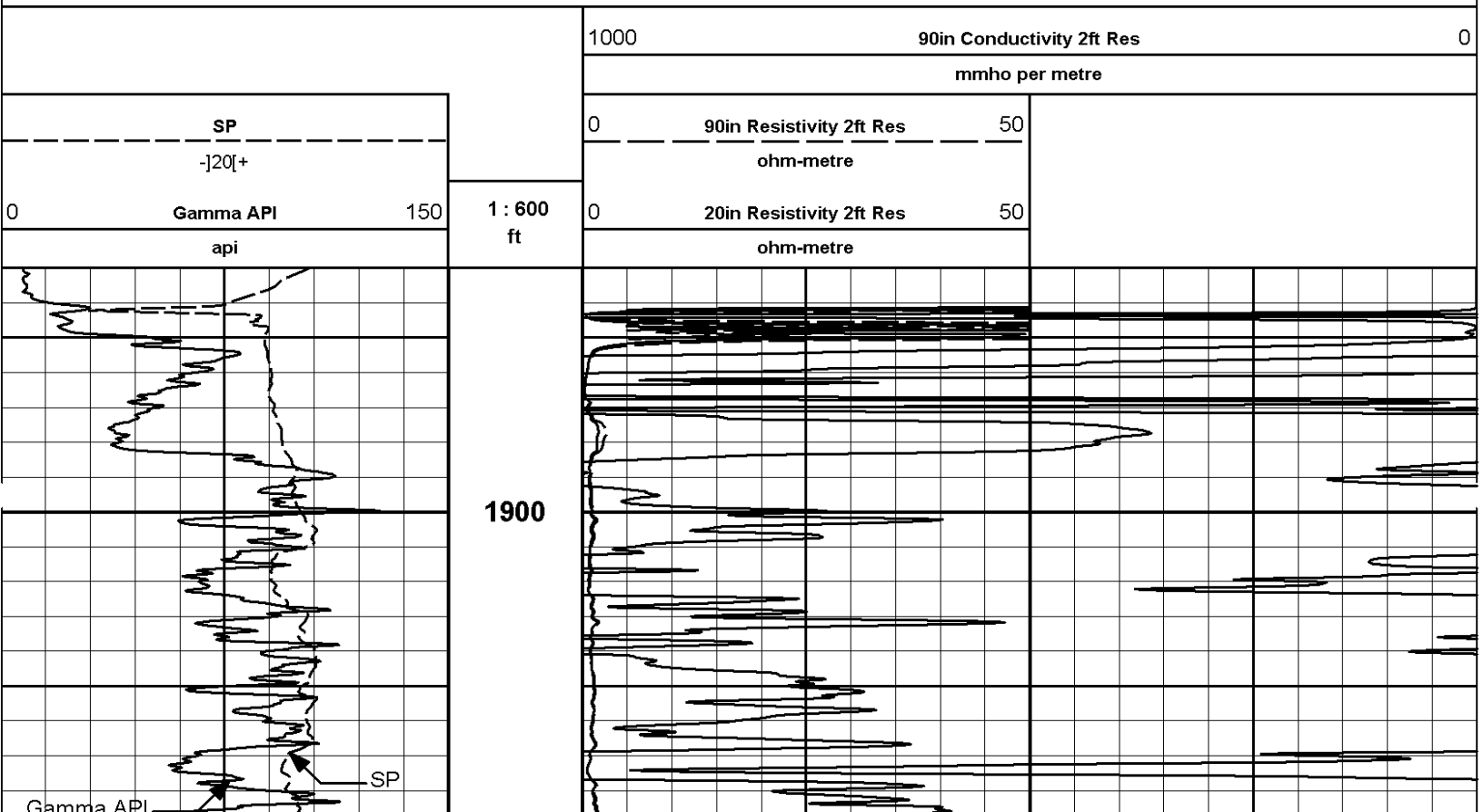
TODAY'S CREW: A. VAQUERA, F. VILLA

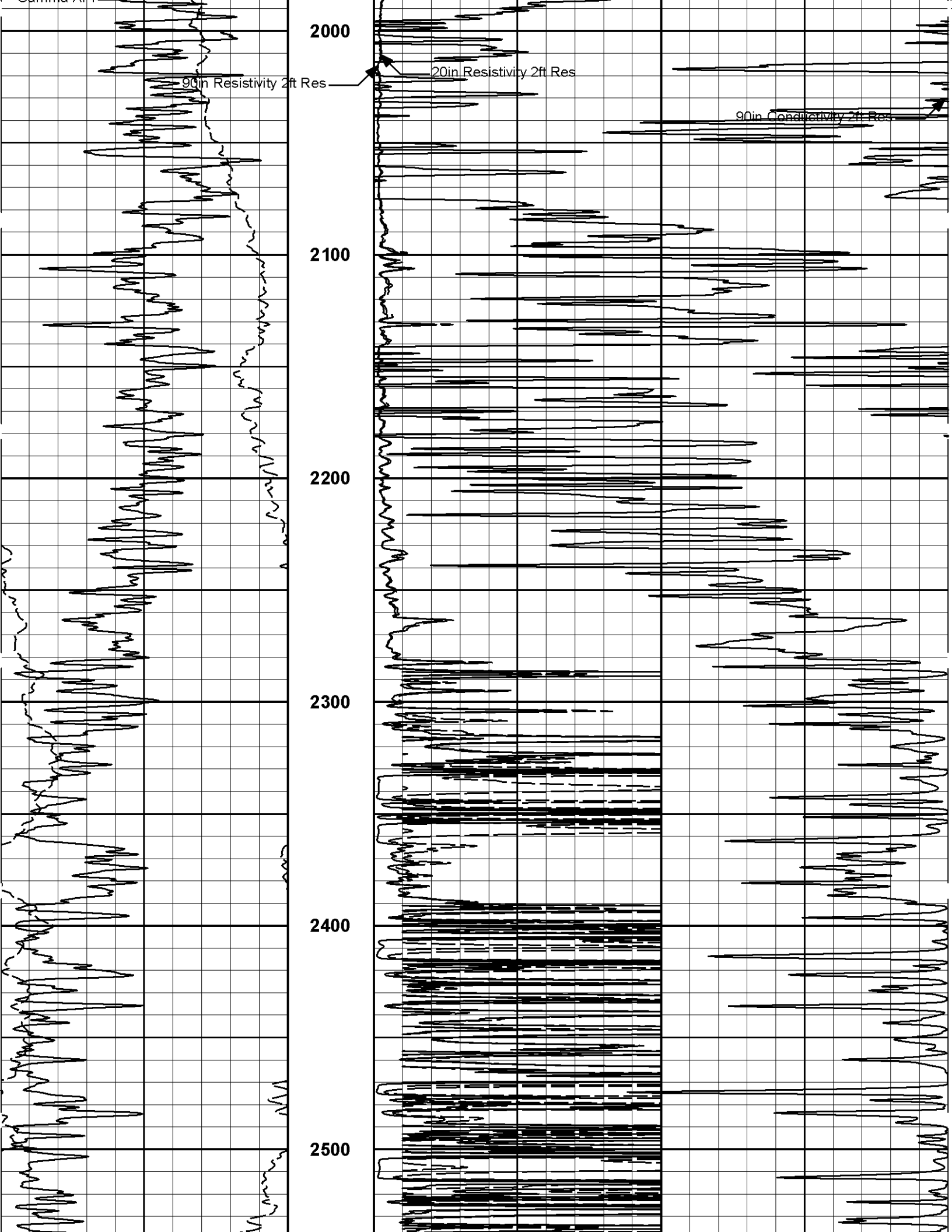
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES: LIBERAL, KS 620-624-8123

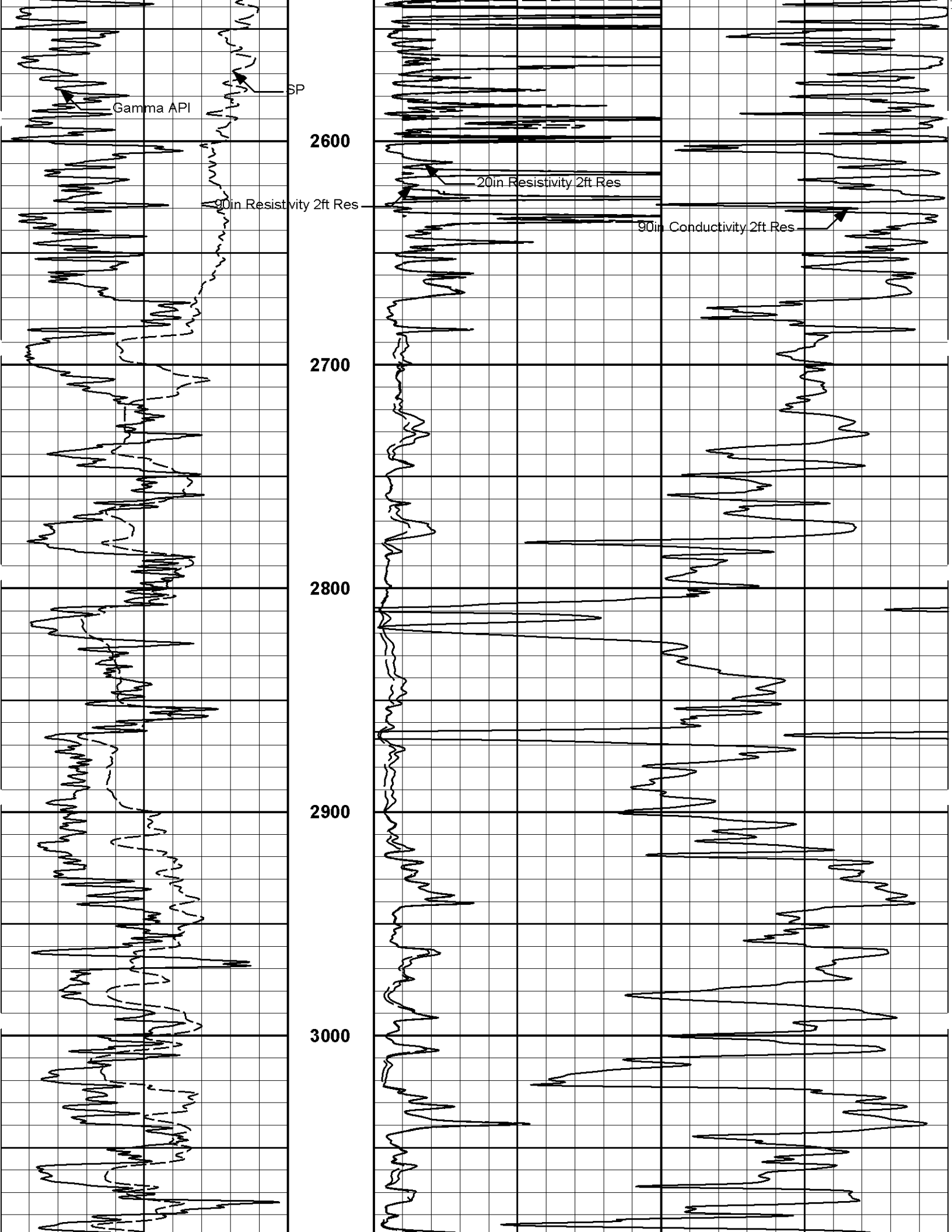
HALLIBURTON

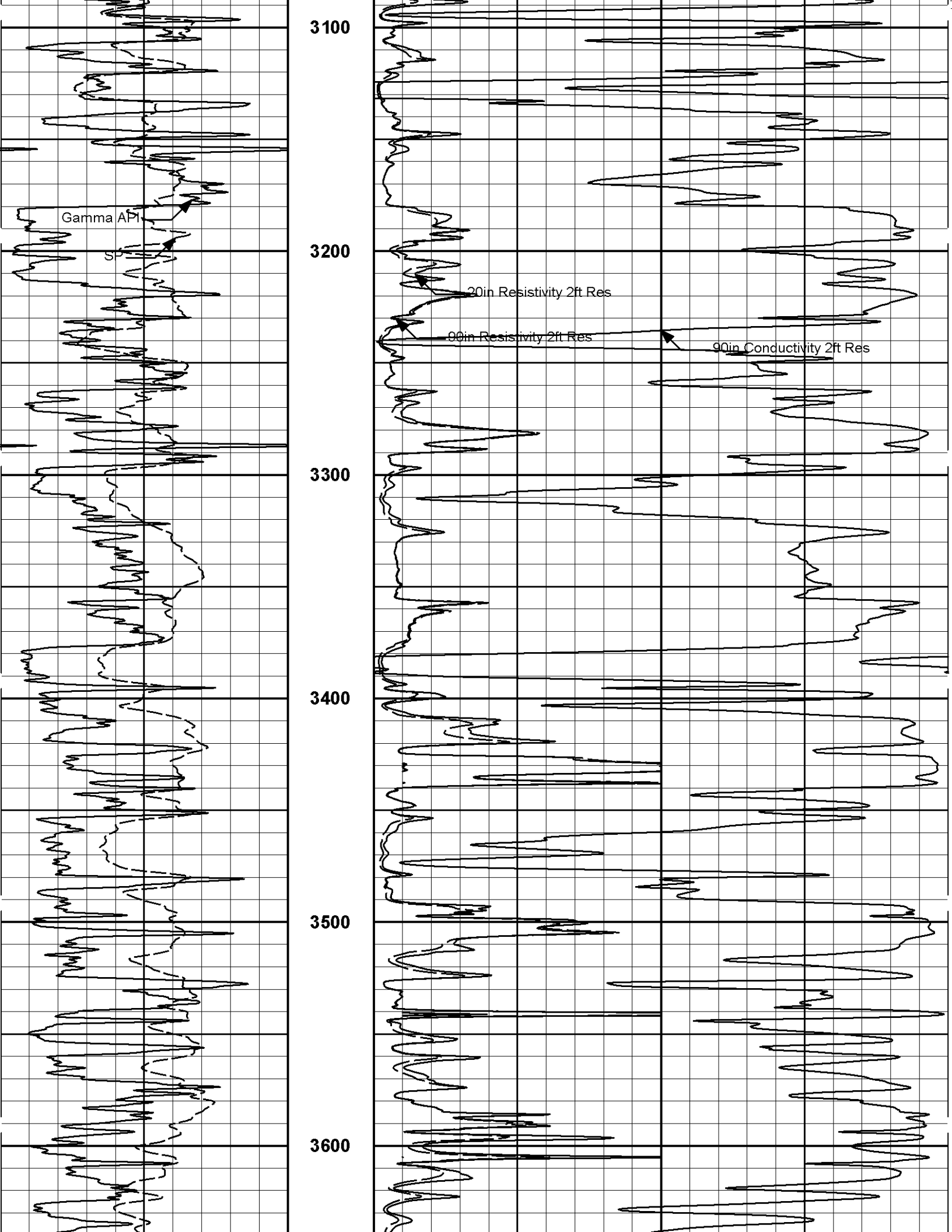
Plot Time: 23-Aug-11 22:07:36
Plot Range: 1830 ft to 5625 ft
Data: STAPLETON_6_10\Well Based\CASING
Plot File: \\-LOCAL-\STAPLETON_6_10\0001 TRIPLE COMBO\ACRT\ACRT_2_lib

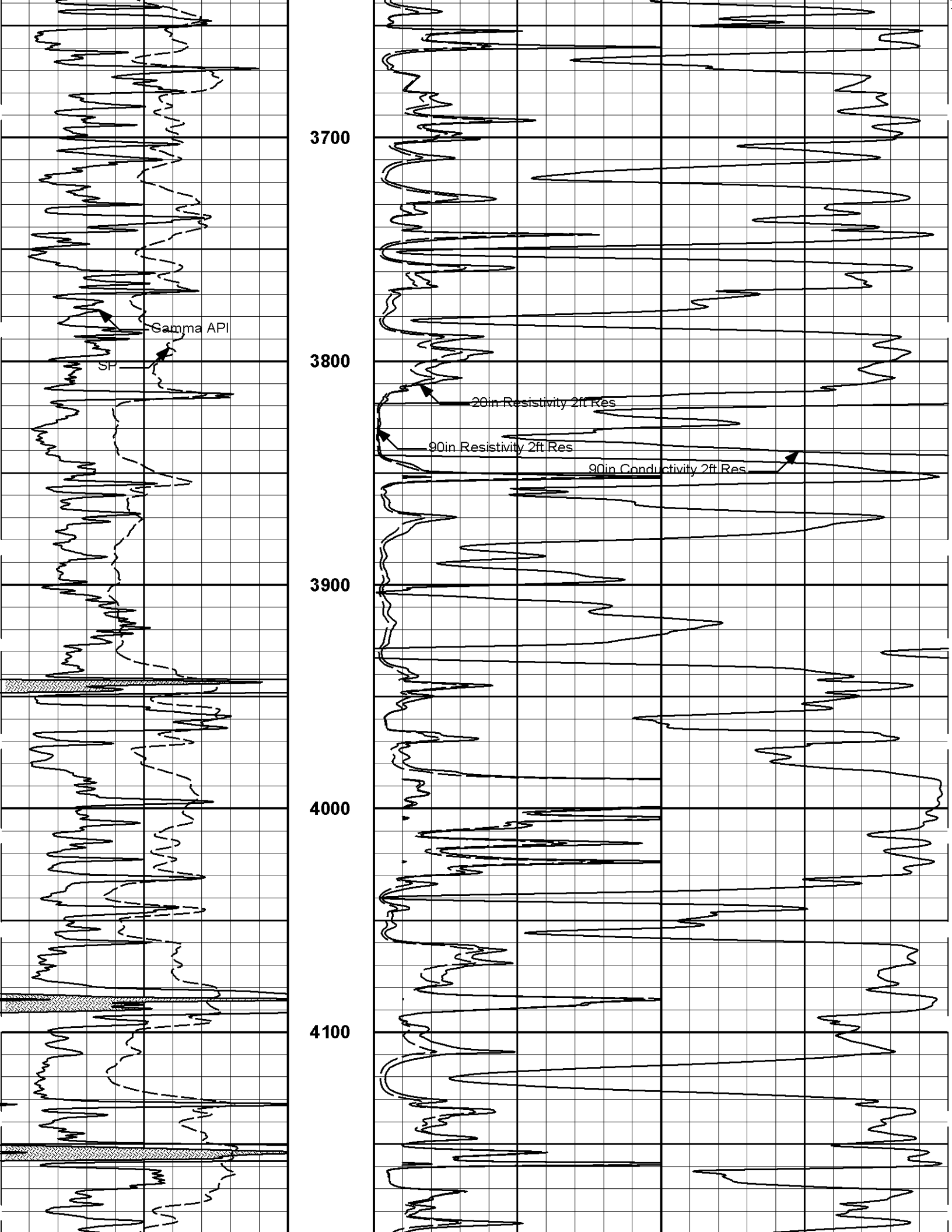
2 INCH MAIN LOG

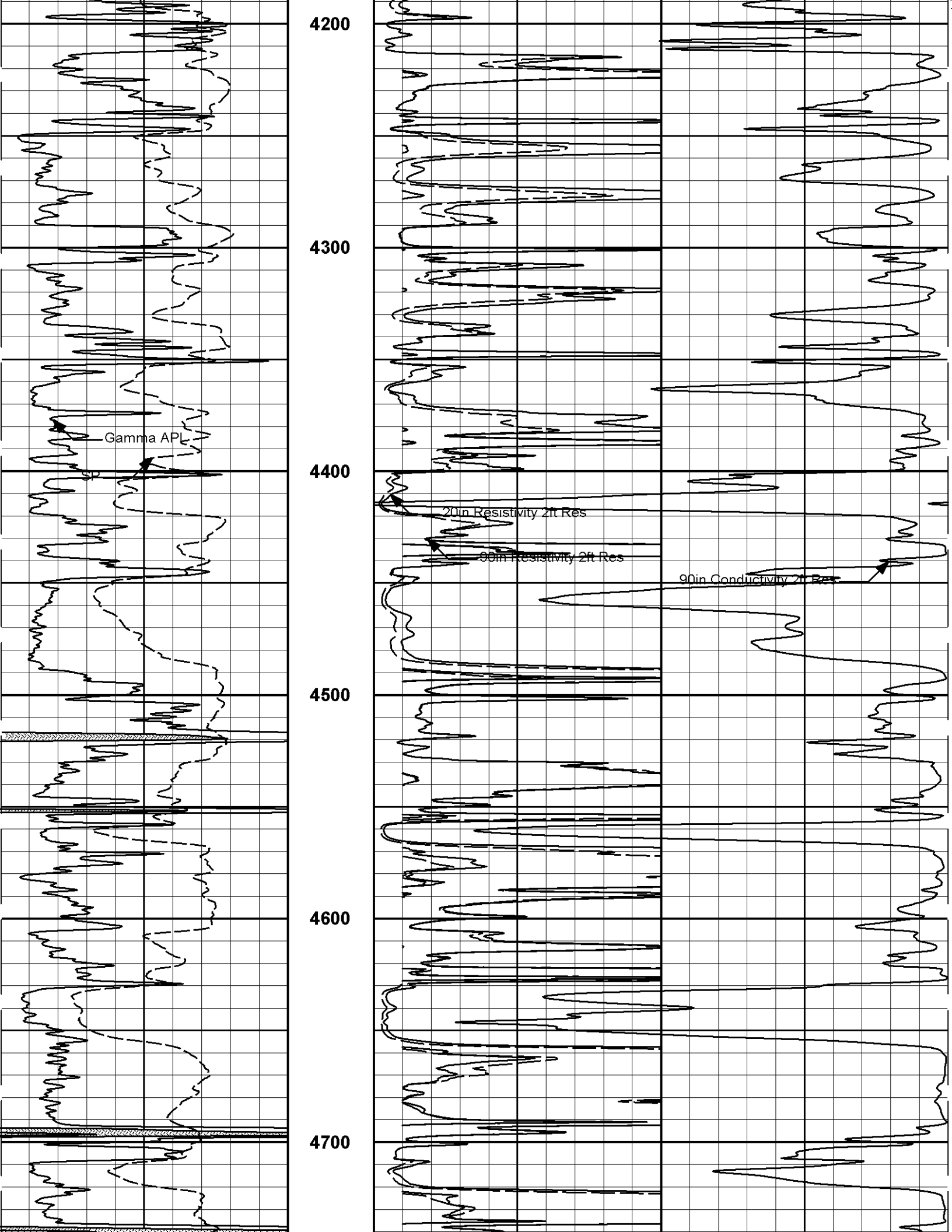


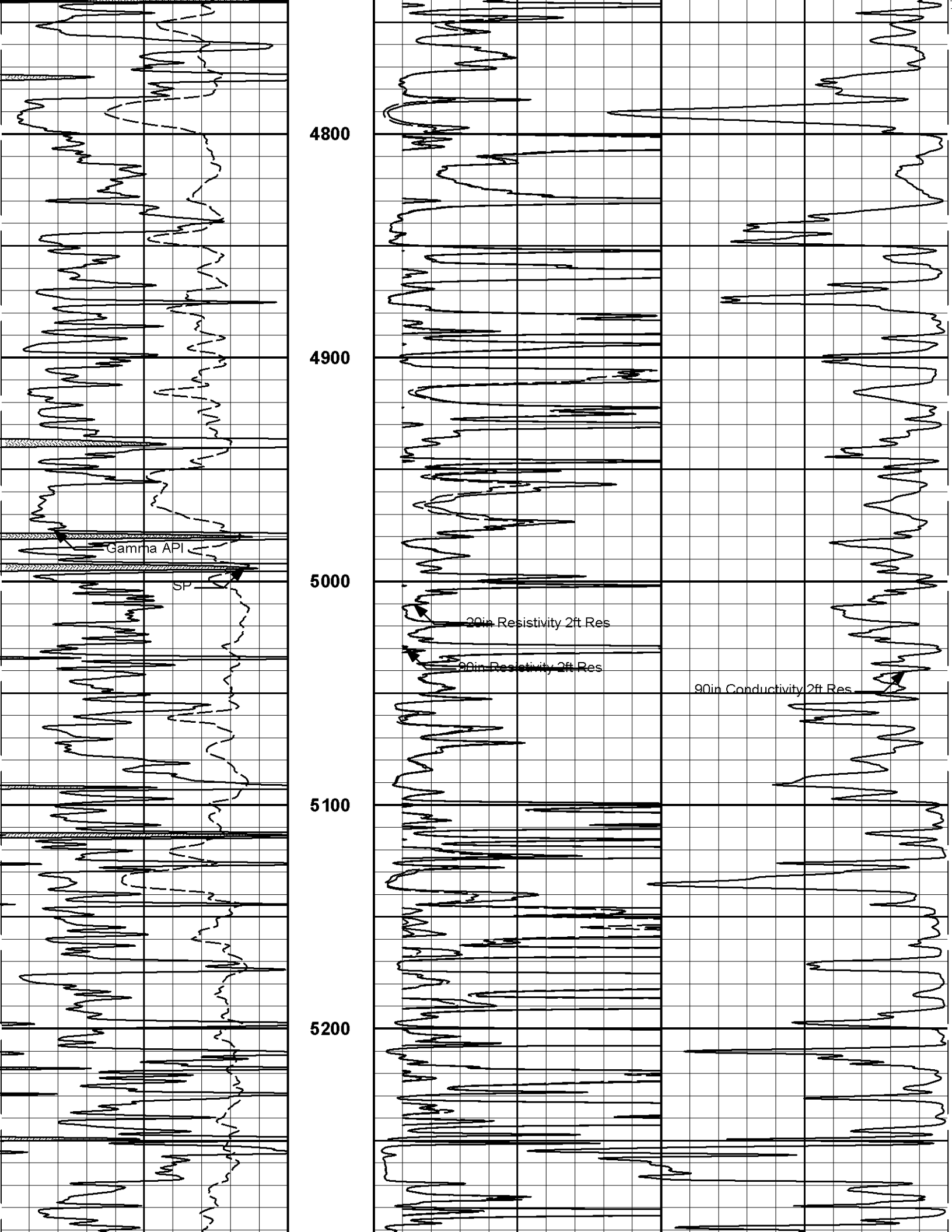

2000
2100
2200
2300
2400
2500
90in Resistivity 2ft Res
20in Resistivity 2ft Res
90in Conductivity 2ft Res

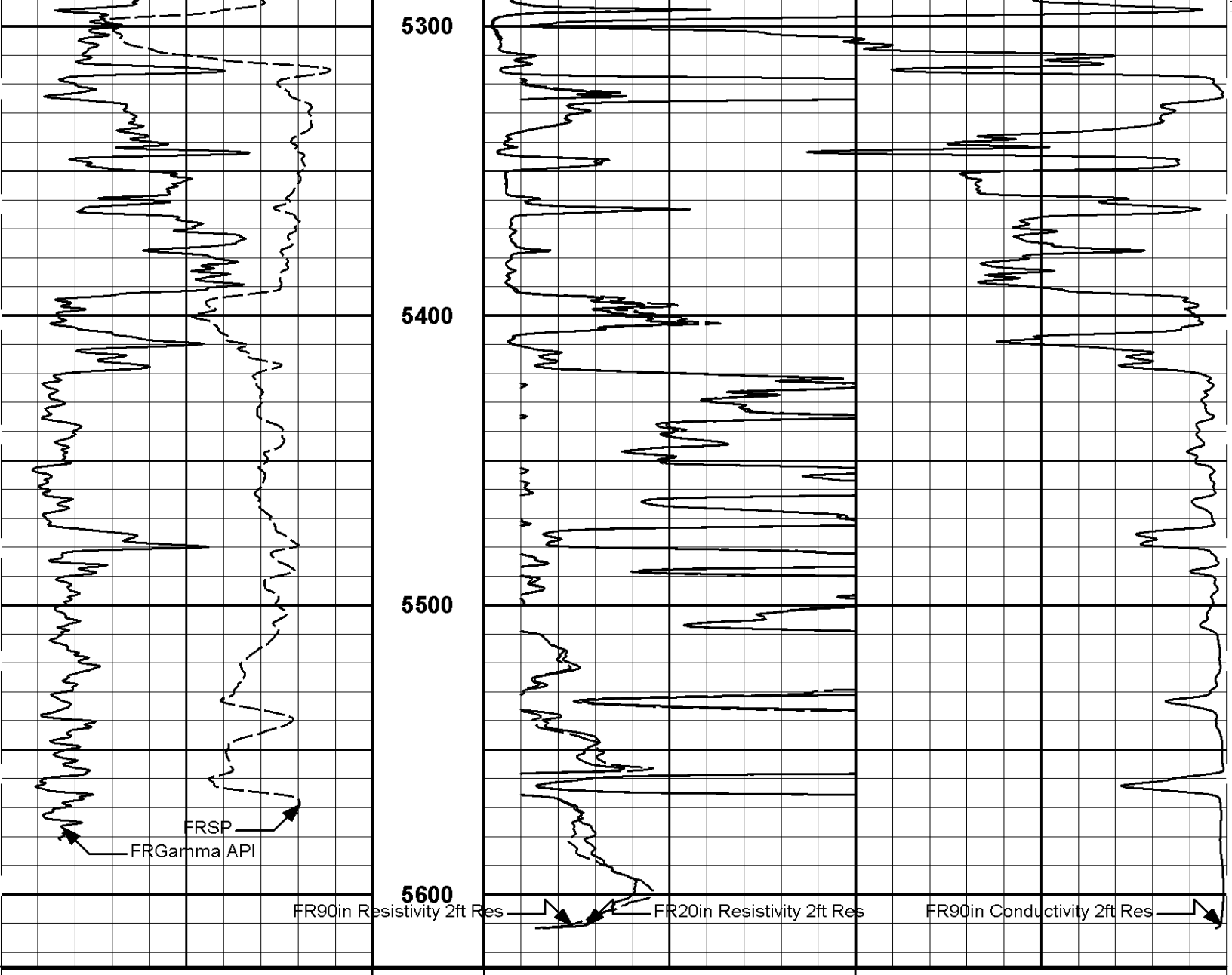

SP
Gamma API
2600
20in Resistivity 2ft Res
90in Resistivity 2ft Res
90in Conductivity 2ft Res
2700
2800
2900
3000


3100
3200
3300
3400
3500
3600
Gamma API
SP
20in Resistivity 2ft Res
90in Resistivity 2ft Res
90in Conductivity 2ft Res


3700
3800
3900
4000
4100
Gamma API
SP
20in Resistivity 2ft Res
90in Resistivity 2ft Res
90in Conductivity 2ft Res


4200
4300
4400
4500
4600
4700
Gamma API
SP
20in Resistivity 2ft Res
90in Resistivity 2ft Res
90in Conductivity 2ft Res


4800
4900
5000
5100
5200
Gamma API
SP
20in Resistivity 2ft Res
90in Resistivity 2ft Res
90in Conductivity 2ft Res



0 Gamma API 150	1 : 600 ft	0 20in Resistivity 2ft Res 50
api		ohm-metre
SP		0 90in Resistivity 2ft Res 50
-]20[+		ohm-metre
		1000 90in Conductivity 2ft Res 0
		mmho per metre

HALLIBURTON

Plot Time: 23-Aug-11 22:07:39
Plot Range: 1830 ft to 5625 ft
Data: STAPLETON_6_10\Well Based\CASING\
Plot File: \\-LOCAL-\STAPLETON_6_10\0001 TRIPLE COMBO\ACRT\ACRT_2_lib

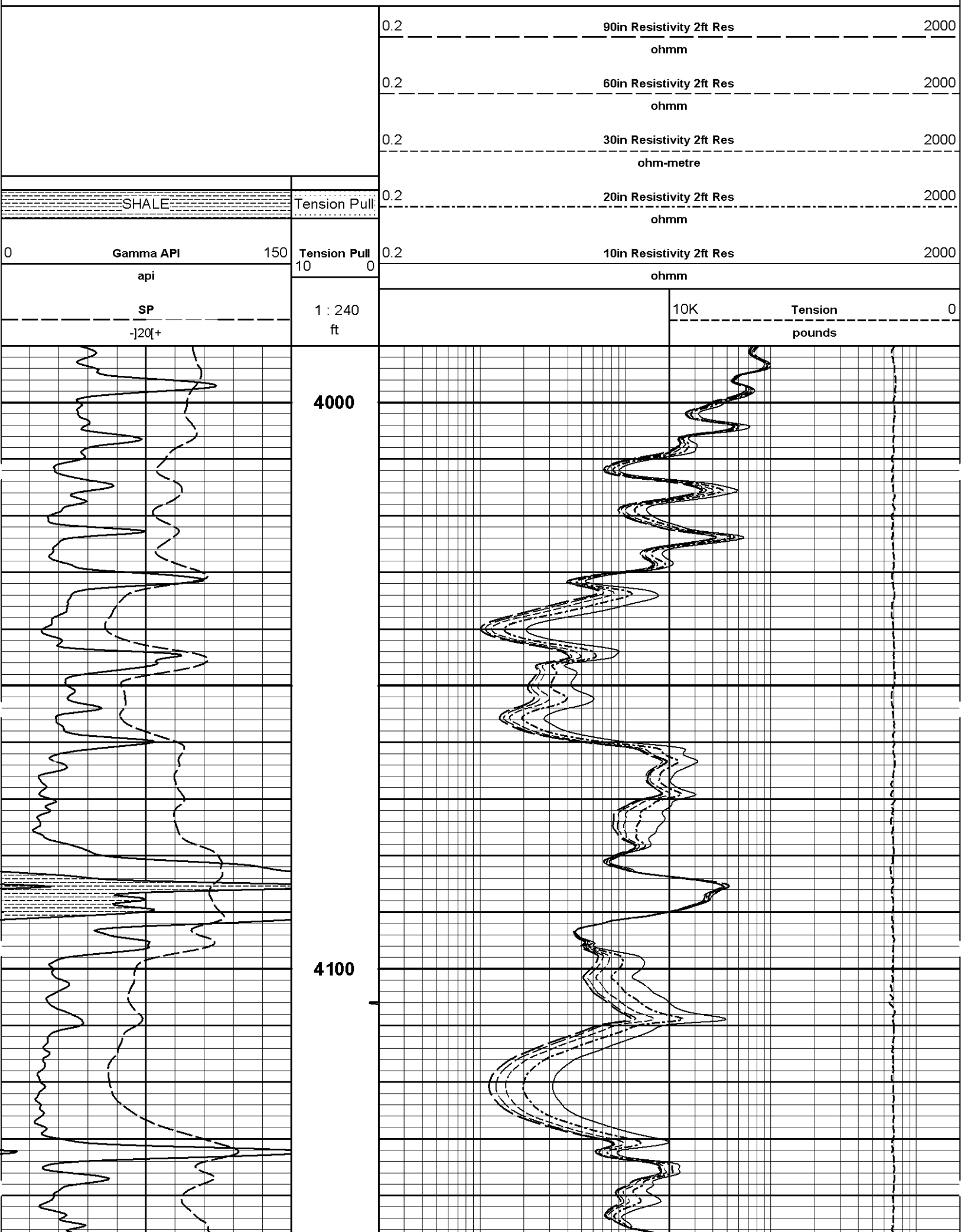
2 INCH MAIN LOG

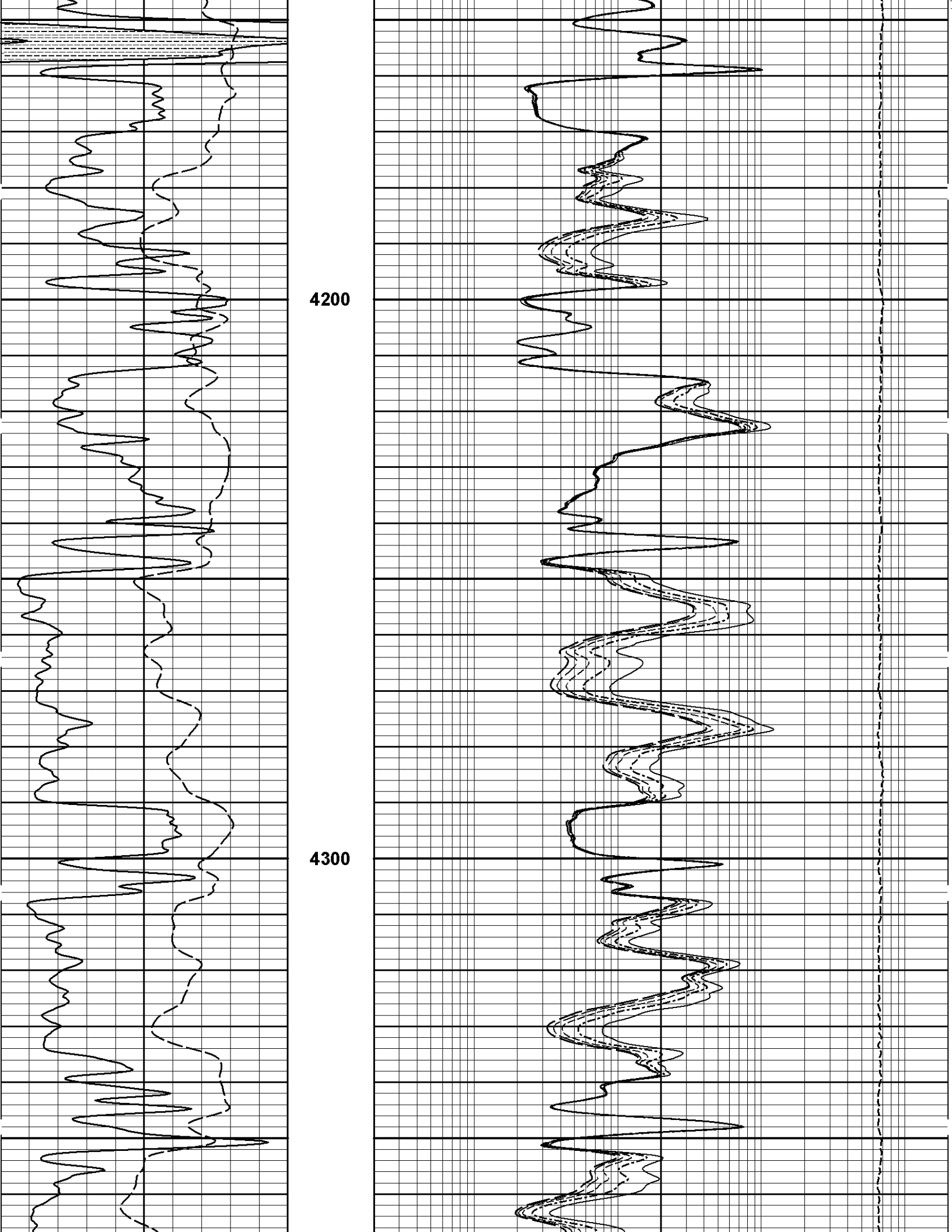
HALLIBURTON

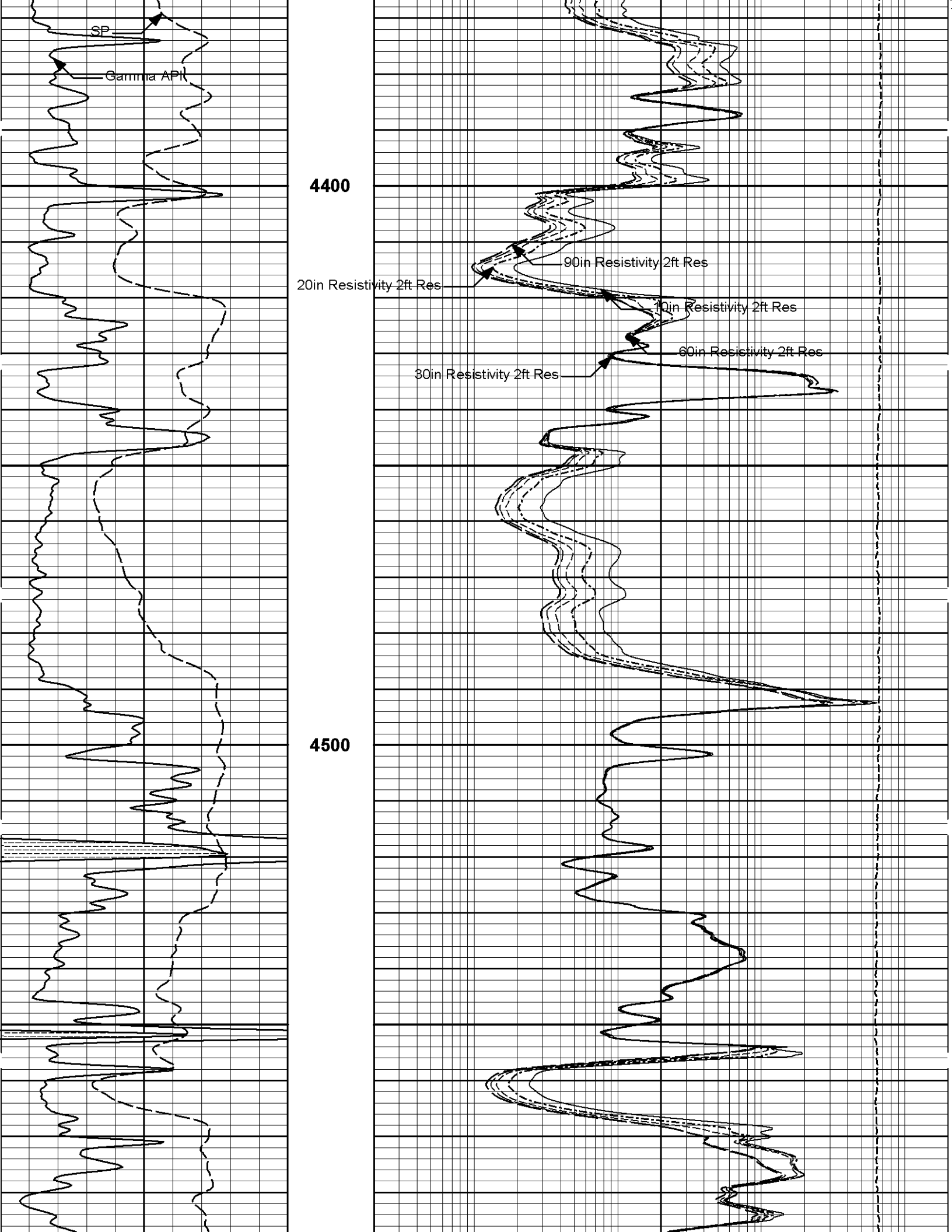
Plot Time: 23-Aug-11 22:07:39
Plot Range: 3990 ft to 5625 ft
Data: STAPLETON_6_10\Well Based\DETAIL\
Plot File: \\-LOCAL-\STAPLETON_6_10\0001 TRIPLE COMBO\ACRT\ACRT_5_main_lib

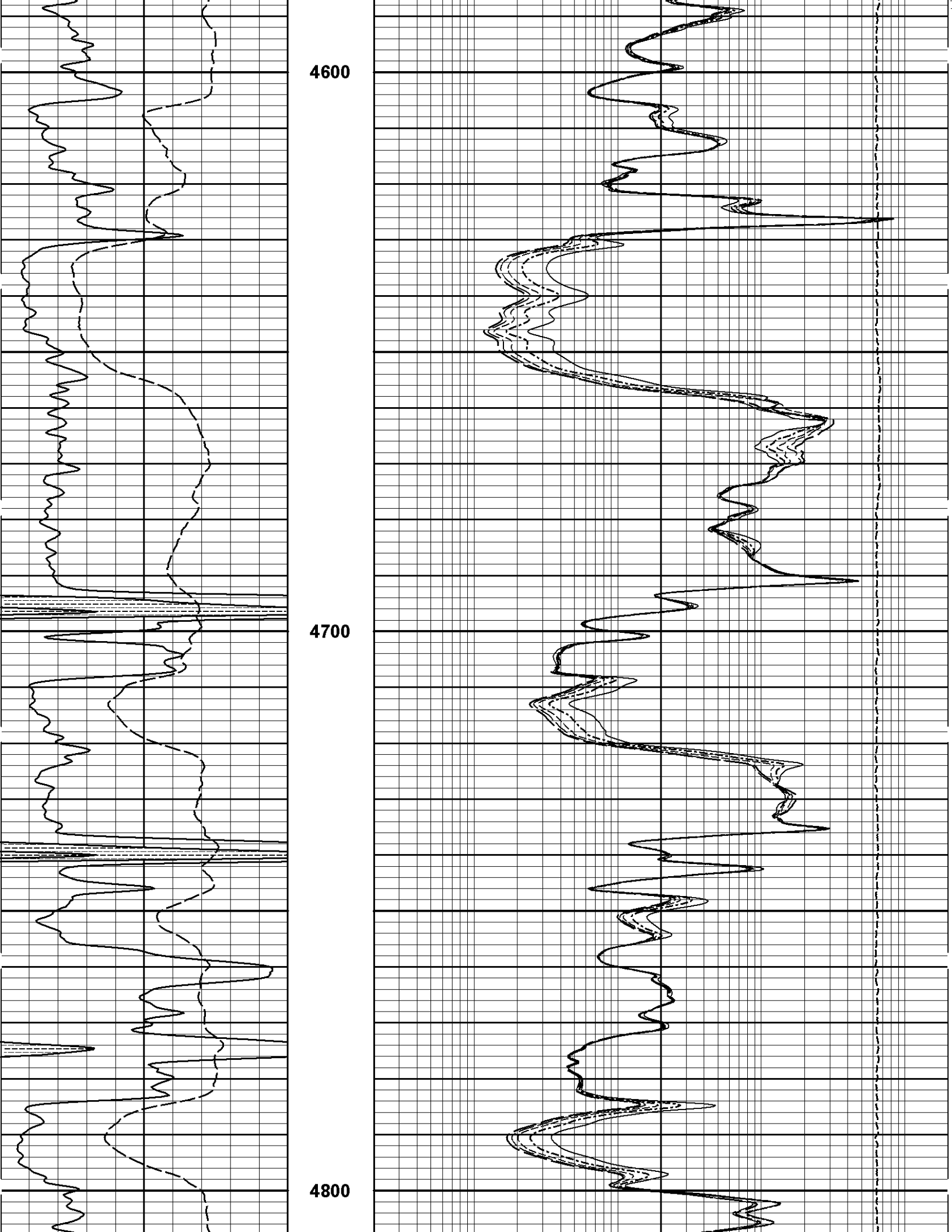
5 INCH MAIN LOG

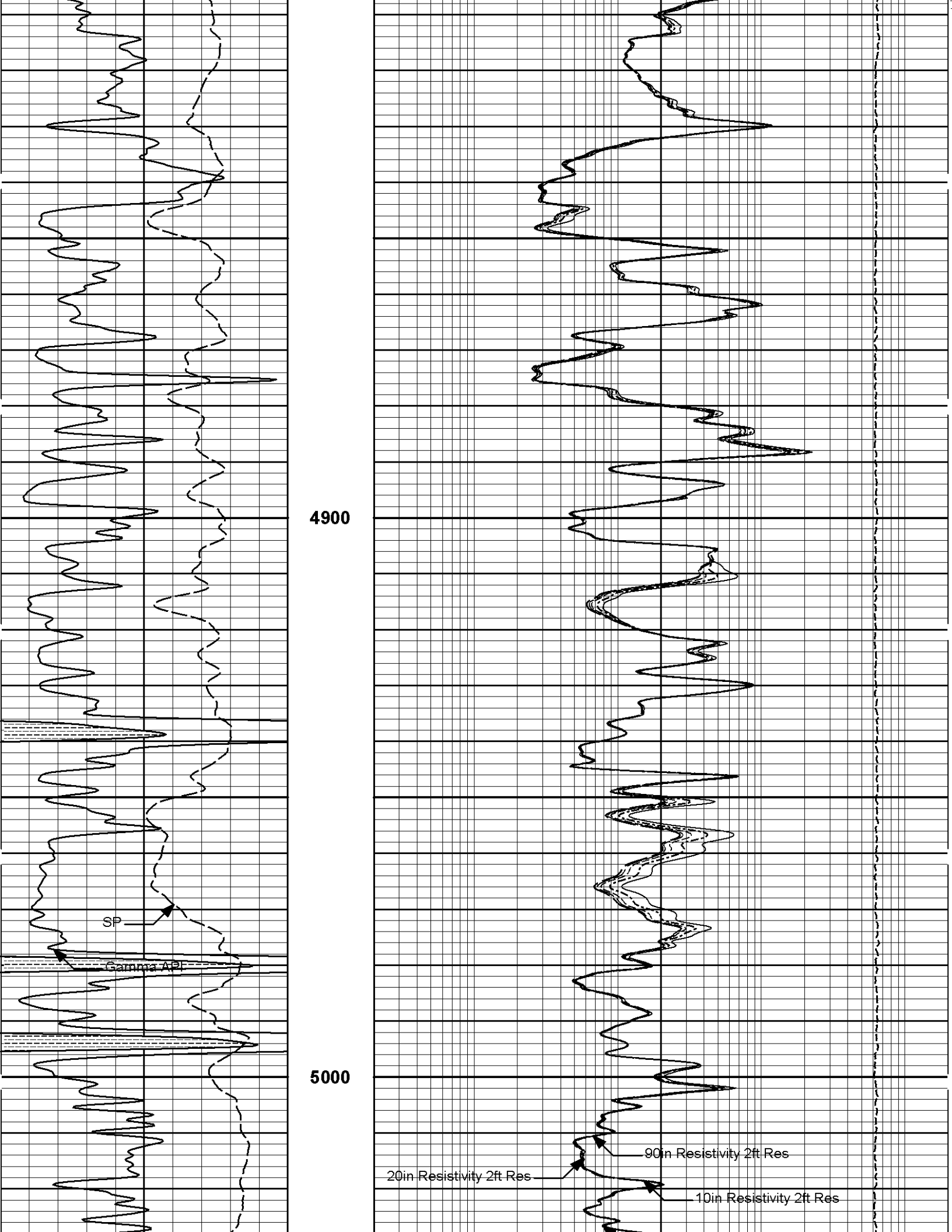
5 INCH MAIN LOG

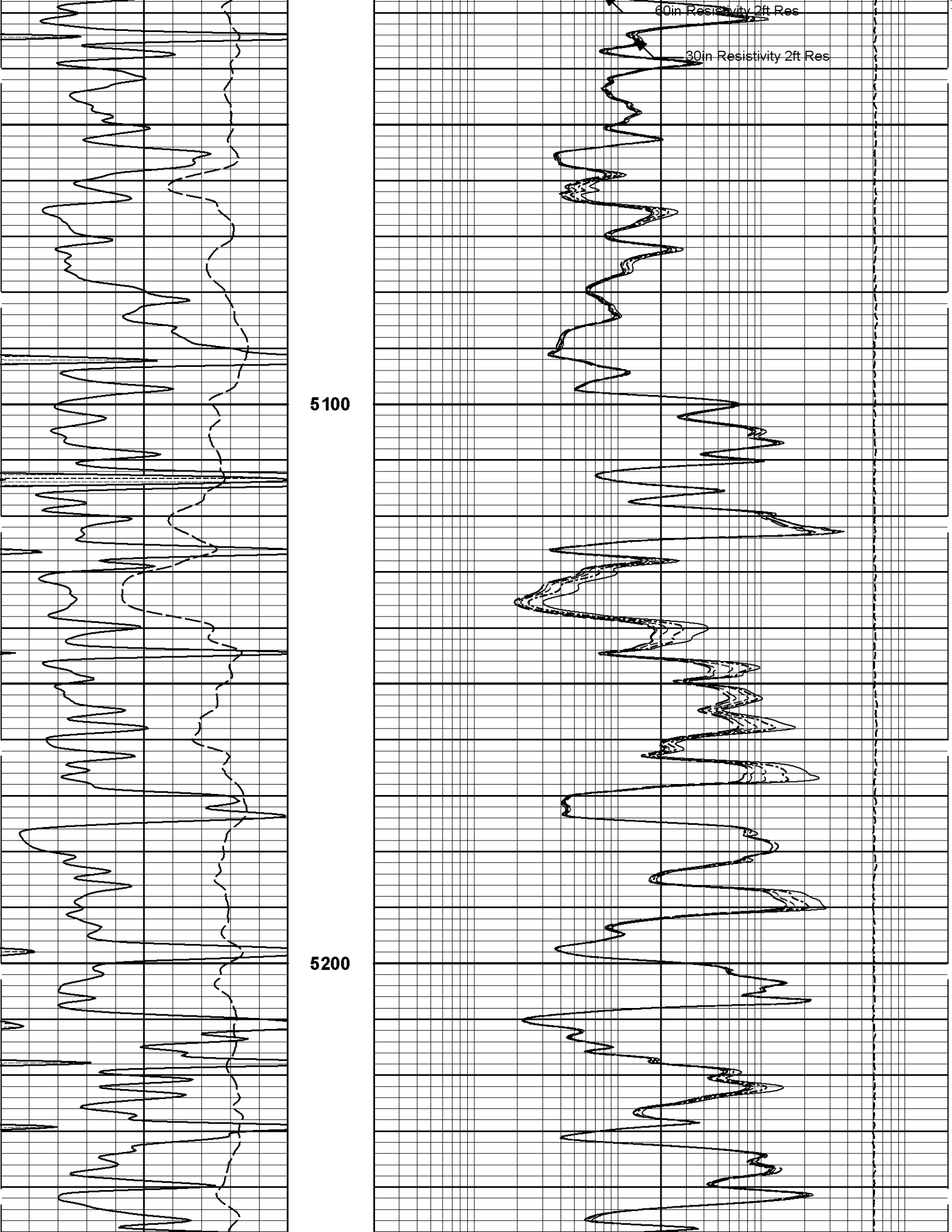


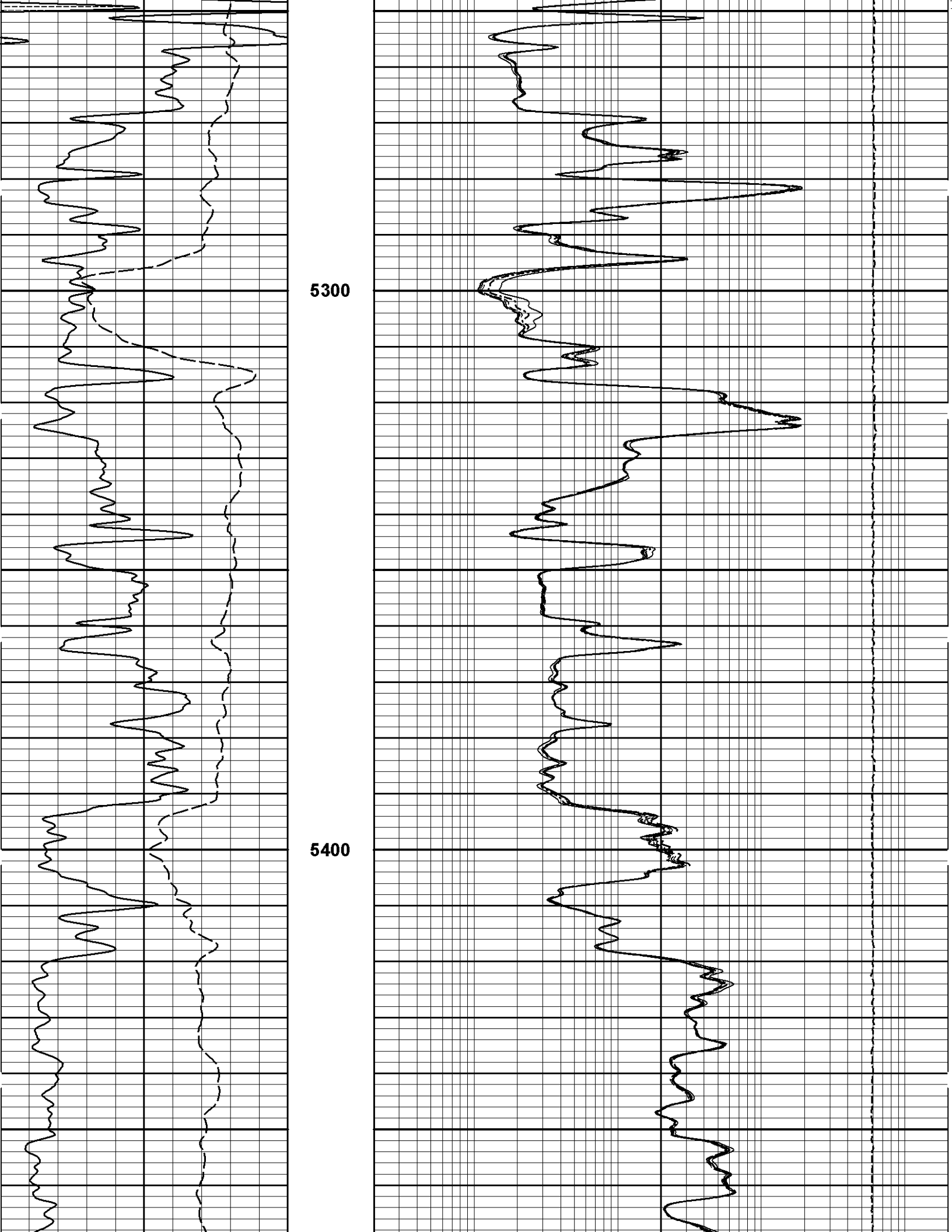

4200
4300

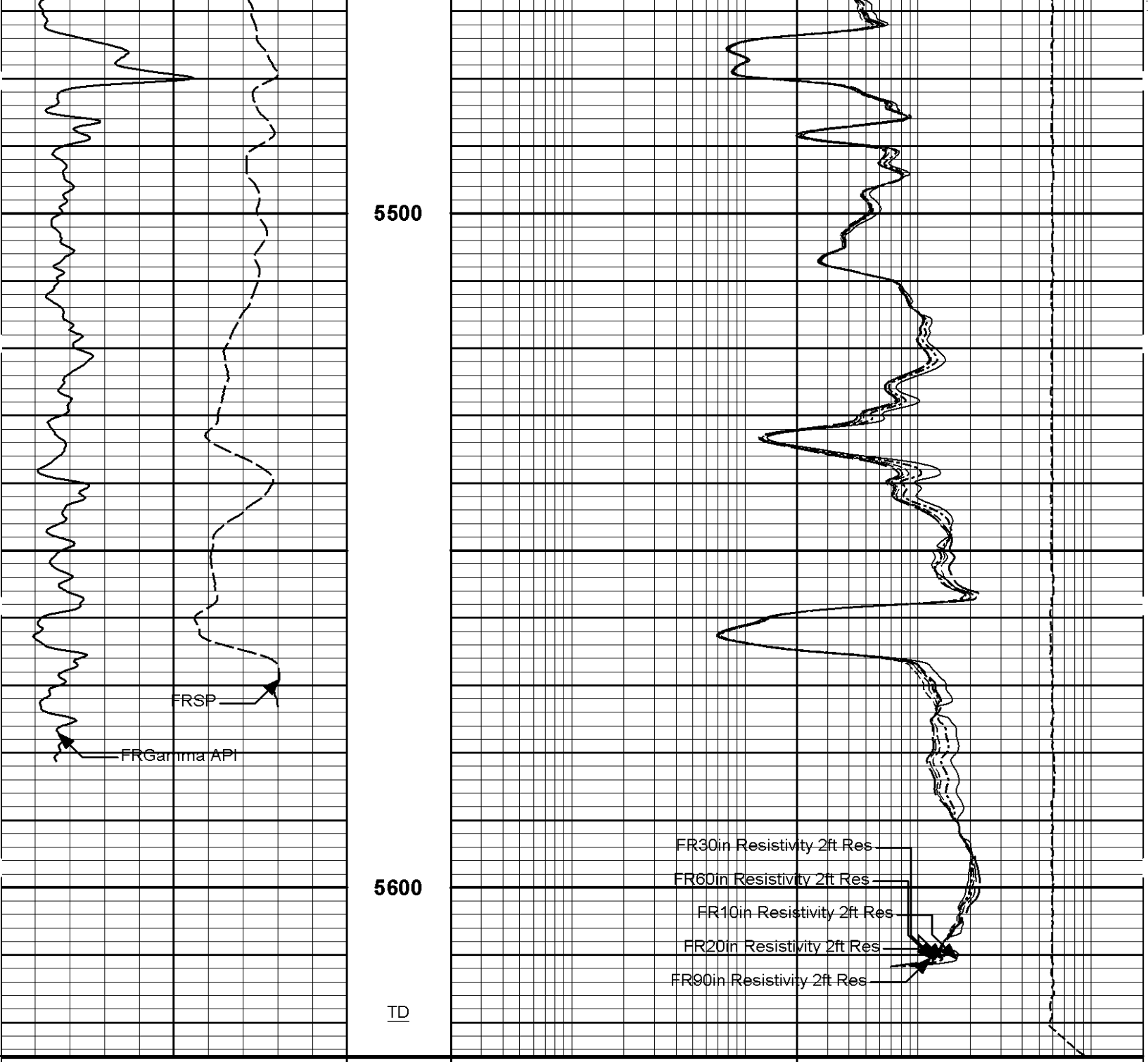

SP
Gamma API
4400
90in Resistivity 2ft Res
20in Resistivity 2ft Res
10in Resistivity 2ft Res
60in Resistivity 2ft Res
30in Resistivity 2ft Res
4500


4600
4700
4800


4900
5000
SP
Gamma API
20in Resistivity 2ft Res
90in Resistivity 2ft Res
10in Resistivity 2ft Res


60in Resistivity 2ft Res
30in Resistivity 2ft Res
5100
5200


5300
5400



SP	1 : 240 ft	10K Tension 0
-]20[+		pounds
0 Gamma API 150	Tension Pull	0.2 10in Resistivity 2ft Res 2000
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

Plot Time: 23-Aug-11 22:07:43

HALLIBURTON

Plot Range: 3990 ft to 5625 ft
Data: STAPLETON_6_10\Well Based\DETAIL\
Plot File: \\-LOCAL-\STAPLETON_6_10\0001 TRIPLE COMBO\ACRT\ACRT_5_main_lib

5 INCH MAIN LOG

HALLIBURTON

Plot Time: 23-Aug-11 22:07:43
Plot Range: 5250 ft to 5624.42 ft
Data: STAPLETON_6_10\Well Based\REPEAT\
Plot File: \\-LOCAL-\STAPLETON_6_10\0001 TRIPLE COMBO\ACRT\ACRT_5_main_lib

5 INCH MAIN LOG

SHALE

0 Gamma API 150
api

SP
-]20[+

Tension Pull

Tension Pull
10 0

1 : 240
ft

0.2 90in Resistivity 2ft Res 2000
ohmm

0.2 60in Resistivity 2ft Res 2000
ohmm

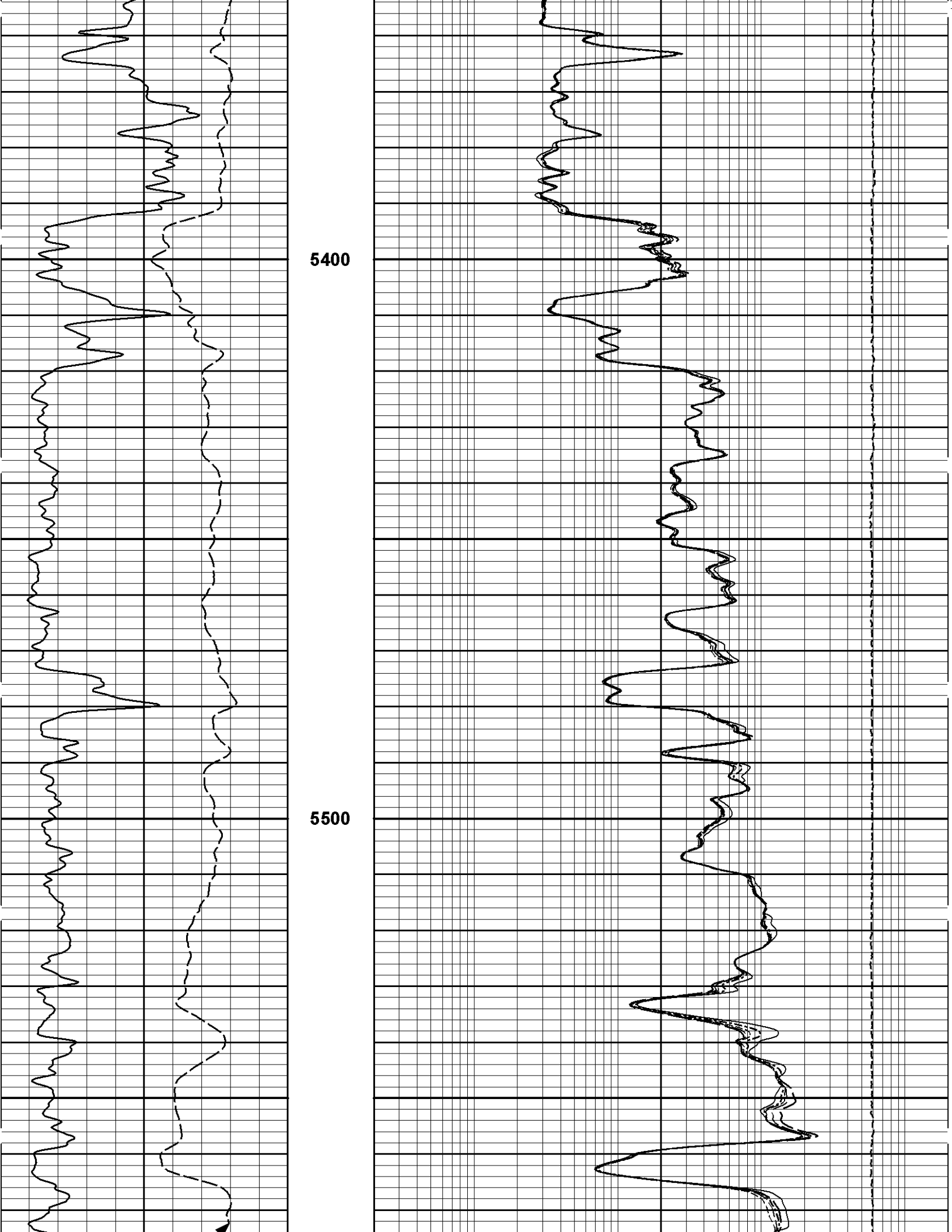
0.2 30in Resistivity 2ft Res 2000
ohm-metre

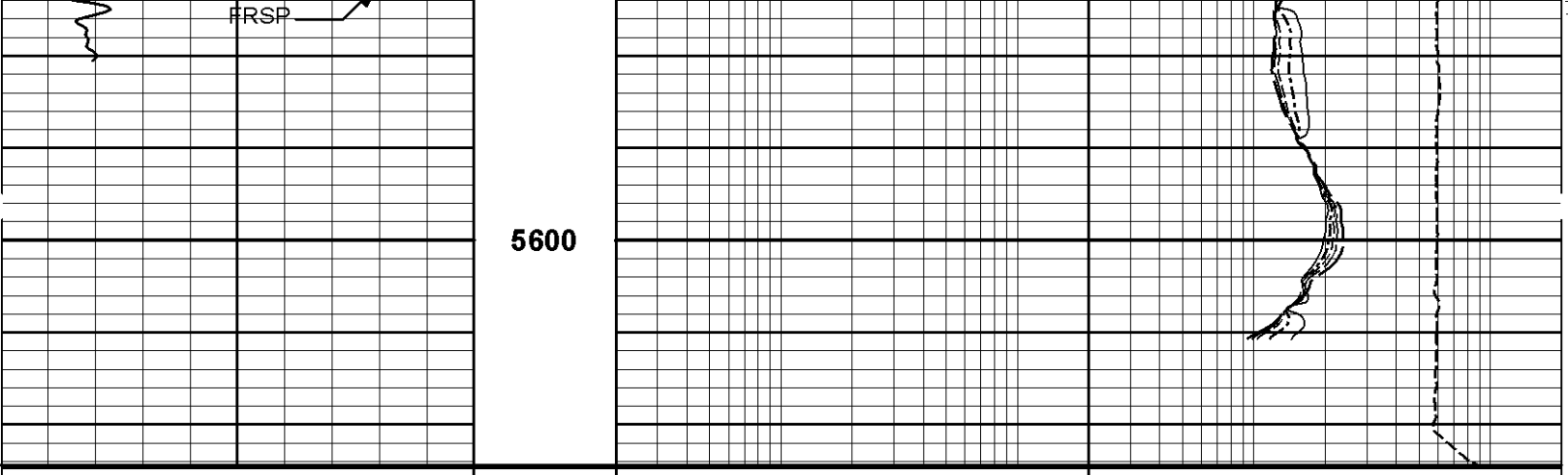
0.2 20in Resistivity 2ft Res 2000
ohmm

0.2 10in Resistivity 2ft Res 2000
ohmm

10K Tension 0
pounds

5300


5400
5500



SP	1 : 240 ft		10K Tension 0
-]20[+			pounds
0 Gamma API 150	Tension Pull 10 0	0.2 10in Resistivity 2ft Res 2000	
api		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

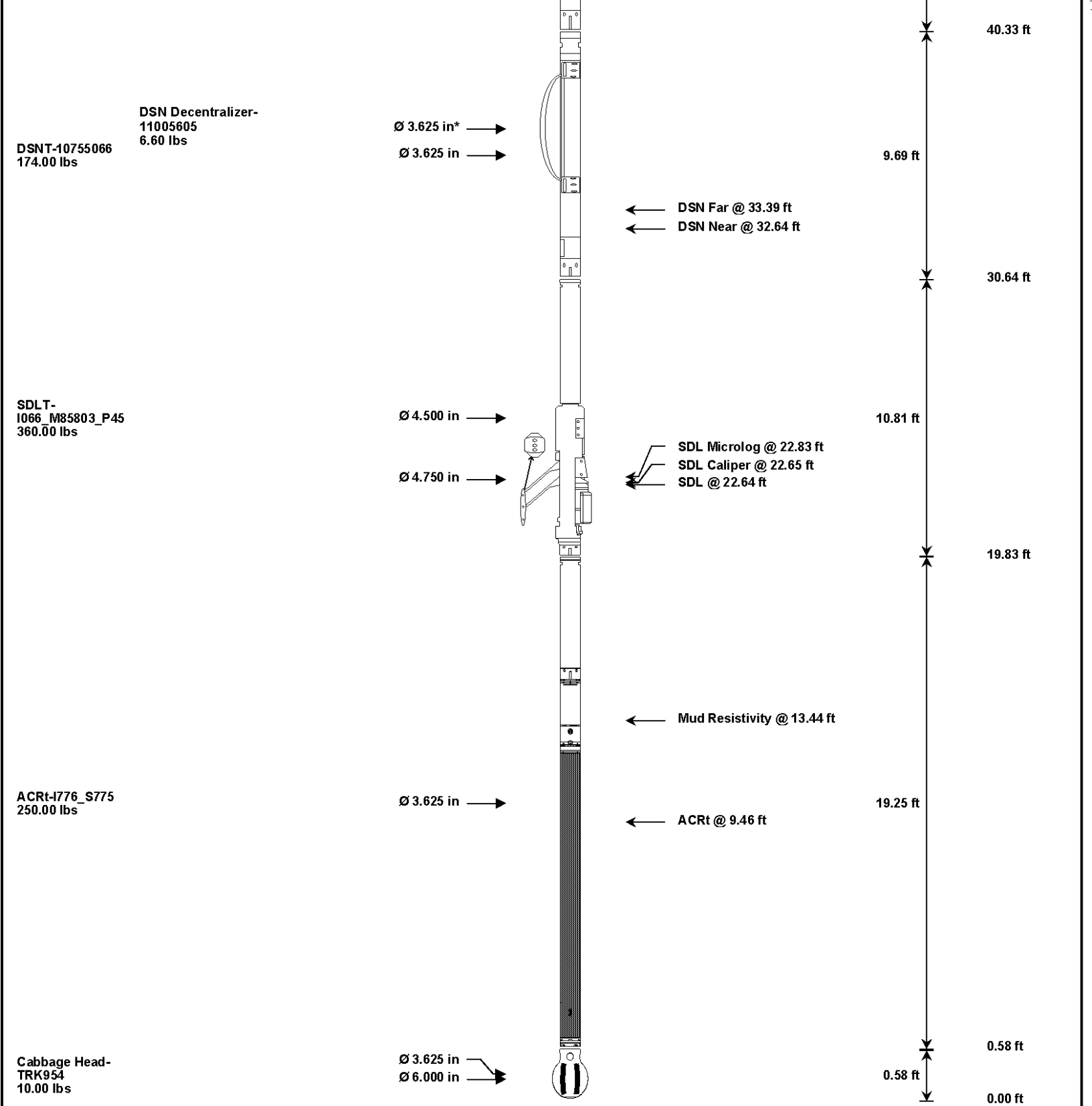
Plot Time: 23-Aug-11 22:07:45
Plot Range: 5250 ft to 5624.42 ft
Data: STAPLETON_6_10\Well Based\REPEAT\
Plot File: \\-LOCAL-\STAPLETON_6_10\0001 TRIPLE COMBO\ACRT\ACRT_5_main_lib

5 INCH MAIN LOG

HALLIBURTON

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	54.51 ft
						52.59 ft
SP Sub-TRK954 60.00 lbs		Ø 3.625 in →		← SP @ 50.81 ft	3.74 ft	
						48.85 ft
GTET-10748374 165.00 lbs		Ø 3.625 in →		← GammaRay @ 42.79 ft	8.52 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		52.59	300.00
SP	SP Sub	TRK954	60.00	3.74		48.85	300.00
GTET	Gamma Telemetry Tool	10748374	165.00	8.52		40.33	60.00
DSNT	Dual Spaced Neutron	10755066	174.00	9.69		30.64	60.00
DCNT	DSN Decentralizer	11005605	6.60	5.13	*	33.97	300.00
SDLT	Spectral Density Tool	I066_M85803_P45	360.00	10.81		19.83	60.00
ACRt	Array Compensated True Resistivity	I776_S775	250.00	19.25		0.58	300.00
CBHD	Cabbage Head	TRK954	10.00	0.58		0.00	300.00
Total			**1,055.60**	**54.51**			

* Not included in Total Length and Length Accumulation.

Data: STAPLETON_6_19\0001_TRIPLE COMBO\IDLE

Date: 23-Aug-11 18:43:04

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:	GTET - 10748374	**Reference Calibration Date:**	25-Apr-11 10:04:04
Engineer:	C. MARLOWE	**Calibration Date:**	09-Aug-11 05:40:36
Software Version:	WL INSITE R3.2.5 (Build 2)	**Calibration Version:**	1

Calibrator Source S/N: TB-185
Calibrator API Reference:228.00 api
Equivalent Calibrator API Reference:232.0 api

Measurement	Measured	Calibrated	Units
Background	34.4	35.2	api
Background + Calibrator	261.1	267.2	api
Calibrator	232.8	232.0	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:	GTET - 10748374	**Reference Calibration Date:**	09-Aug-11 05:40:36
Engineer:	C. MARLOWE	**Calibration Date:**	23-Aug-11 18:47:28
Software Version:	WL INSITE R3.2.5 (Build 2)	**Calibration Version:**	1

Calibrator Source S/N: TB-185
Calibrator API Reference:228.00 api
Equivalent Calibrator API Reference:232.0 api

Field Verification	Shop	Field	Units
Background	35.2	27.1	api
Background + Calibrator	267.2	261.9	api
Calibrator	232.0	234.8	api

Shop	Field	Difference	Tolerance
232.0	234.8	-2.8	+/- 9.00

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name:	ACRt - I776_S775	**Reference Calibration Date:**	11-Jul-11 14:07:44
Engineer:	C. MARLOWE	**Calibration Date:**	13-Aug-11 14:40:08
Software Version:	WL INSITE R3.2.5 (Build 2)	**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	1.0088	1.05	0.95	1.0137	1.05	0.95	1.0131	1.05
A2 (50")	0.95	1.0172	1.05	0.95	1.0229	1.05	0.95	1.0236	1.05
A3 (29")	0.95	1.0136	1.05	0.95	1.0185	1.05	0.95	1.0173	1.05
A4 (17")	0.95	1.0077	1.05	0.95	1.0111	1.05	0.95	1.0133	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.0089	1.05	0.95	1.0111	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.9911	1.05	0.95	0.9932	1.05

TYPICAL SONDE OFFSET RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper

A1 (80")	-5	-1.649	2	-6	-4.155	-2	-8	-4.271	-2
A2 (50")	-7	-2.761	-1	-6	-4.059	-2	-7	-4.189	-2
A3 (29")	-27	-14.359	-9	-9	-4.302	-3	-7	-2.570	-1
A4 (17")	-180	-102.168	-60	-45	-31.270	-15	-39	-24.333	-13
A5 (10")	N/A	N/A	N/A	-150	-117.420	-50	-80	-54.016	-10
A6 (6")	N/A	N/A	N/A	175	275.242	525	90	136.222	270

TRANSMITTER CURRENT GAIN

Signal	Lower	R	Upper
12K	0.6	0.8720	1.3
36K	1.0	1.1911	2.0
72K	1.0	1.4649	2.0

R-MUD VERIFICATION

Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
Mud Cell	0.95	0.991	1.05

CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-10748374						
Gamma Ray Calibrator	232.0	234.8	----------	-2.8	+/- 9.00	api
ACRt-I776_S775						
Mud Cell	0.991	----------	----------	0.000	----------	ohm-m

Data: STAPLETON_6_10\0001 TRIPLE COMBO\IDLE **Date: 23-Aug-11 19:40:27**

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	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	0.740	ohmm
	SHARED	TRM	Temperature of Mud	110.0	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	5620.00	ft
	SHARED	BHT	Bottom Hole Temperature	130.0	degF
	SHARED	SVTM	Navigation and Survey Master Tool	NONE	
	SHARED	AZTM	High Res Z Accelerometer Master Tool	GTET	
	SHARED	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	0.60	ohmm
Rwa / CrossPlot	TMFR	Rmf Ref Temp	100.00	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	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	DNOK	Process Density?	Yes	
SDLT	DNOK	Process Density EVR?	No	
SDLT	CB	Logging Calibration Blocks?	No	
SDLT	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT	DTWN	Disable temperature warning	No	
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	
ACRt	RTOK	Process ACRt?	Yes	
ACRt	MNSO	Minimum Tool Standoff	1.50	in
ACRt	TCS1	Temperature Correction Source	FP Lwr & FP Upr	
ACRt	TPOS	Tool Position	Free Hanging	
ACRt	RMOP	Rmud Source	Mud Cell	
ACRt	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt	RMIN	Maximum Resistivity for MAP	200.00	ohmm
ACRt	THQY	Threshold Quality	0.50	
BOTTOM				

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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	50.81	NO	
SP	Spontaneous Potential	50.81	BLK	1.250
SPR	Raw Spontaneous Potential	50.81	NO	
SPO	Spontaneous Potential Offset	50.81	NO	

	GTET			
TPUL	Tension Pull	42.79	NO	
GR	Natural Gamma Ray API	42.79	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	42.79	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	42.79	W	1.416 , 0.750
ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
	DSNT			
TPUL	Tension Pull	32.54	NO	
RNDS	Near Detector Telemetry Counts	32.64	BLK	1.417
RFDS	Far Detector Telemetry Counts	33.39	TRI	0.583
DNTT	DSN Tool Temperature	32.64	NO	
DSNS	DSN Tool Status	32.54	NO	
ERND	Near Detector Telemetry Counts EVR	32.64	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	33.39	BLK	0.000
ENTM	DSN Tool Temperature EVR	32.64	NO	
	SDLT			
TPUL	Tension Pull	22.64	NO	
NAB	Near Above	22.46	BLK	0.920
NHI	Near Cesium High	22.46	BLK	0.920
NLO	Near Cesium Low	22.46	BLK	0.920
NVA	Near Valley	22.46	BLK	0.920
NBA	Near Barite	22.46	BLK	0.920
NDE	Near Density	22.46	BLK	0.920
NPK	Near Peak	22.46	BLK	0.920
NLI	Near Lithology	22.46	BLK	0.920
NBAU	Near Barite Unfiltered	22.46	BLK	0.250
NLIU	Near Lithology Unfiltered	22.46	BLK	0.250
FAB	Far Above	22.81	BLK	0.250
FHI	Far Cesium High	22.81	BLK	0.250
FLO	Far Cesium Low	22.81	BLK	0.250
FVA	Far Valley	22.81	BLK	0.250
FBA	Far Barite	22.81	BLK	0.250
FDE	Far Density	22.81	BLK	0.250
FPK	Far Peak	22.81	BLK	0.250
FLI	Far Lithology	22.81	BLK	0.250
PTMP	Pad Temperature	22.65	BLK	0.920
NHV	Near Detector High Voltage	19.83	NO	
FHV	Far Detector High Voltage	19.83	NO	
ITMP	Instrument Temperature	19.83	NO	
DDHV	Detector High Voltage	19.83	NO	
TPUL	Tension Pull	22.65	NO	
PCAL	Pad Caliper	22.65	TRI	0.250
ACAL	Arm Caliper	22.65	TRI	0.250
TPUL	Tension Pull	22.83	NO	
MINV	Microlog Lateral	22.83	BLK	0.750
MNOR	Microlog Normal	22.83	BLK	0.750
	ACRt			
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	

Data: STAPLETON_6_10\0001 TRIPLE COMBO\IDLE **Date: 23-Aug-11 21:04:02**

COMPANY	**STRATA EXPLORATION**
WELL	**STAPLETON 6-10**
FIELD	**DIADEN**

COUNTY	HASKELL	STATE	KANSAS

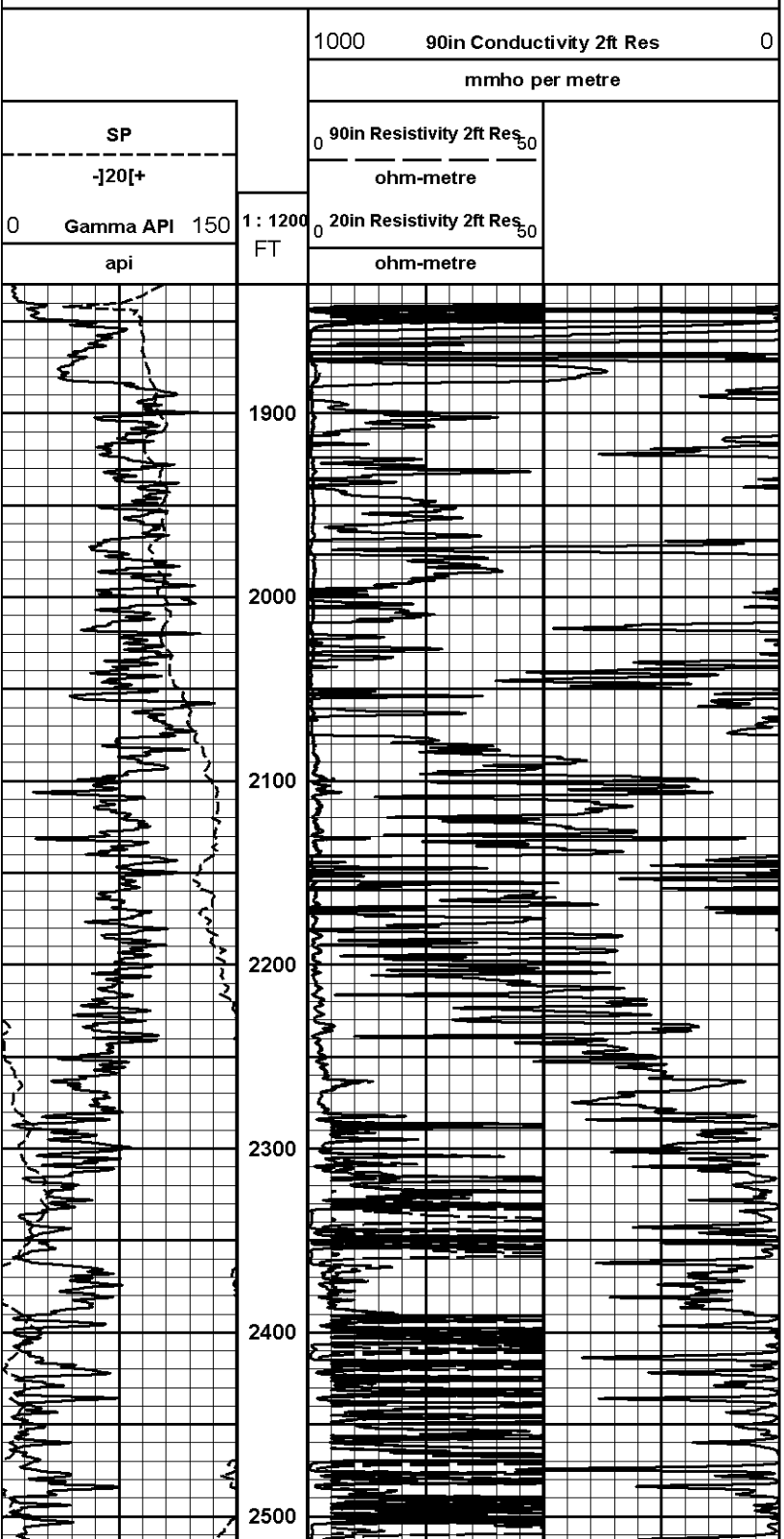
HALLIBURTON

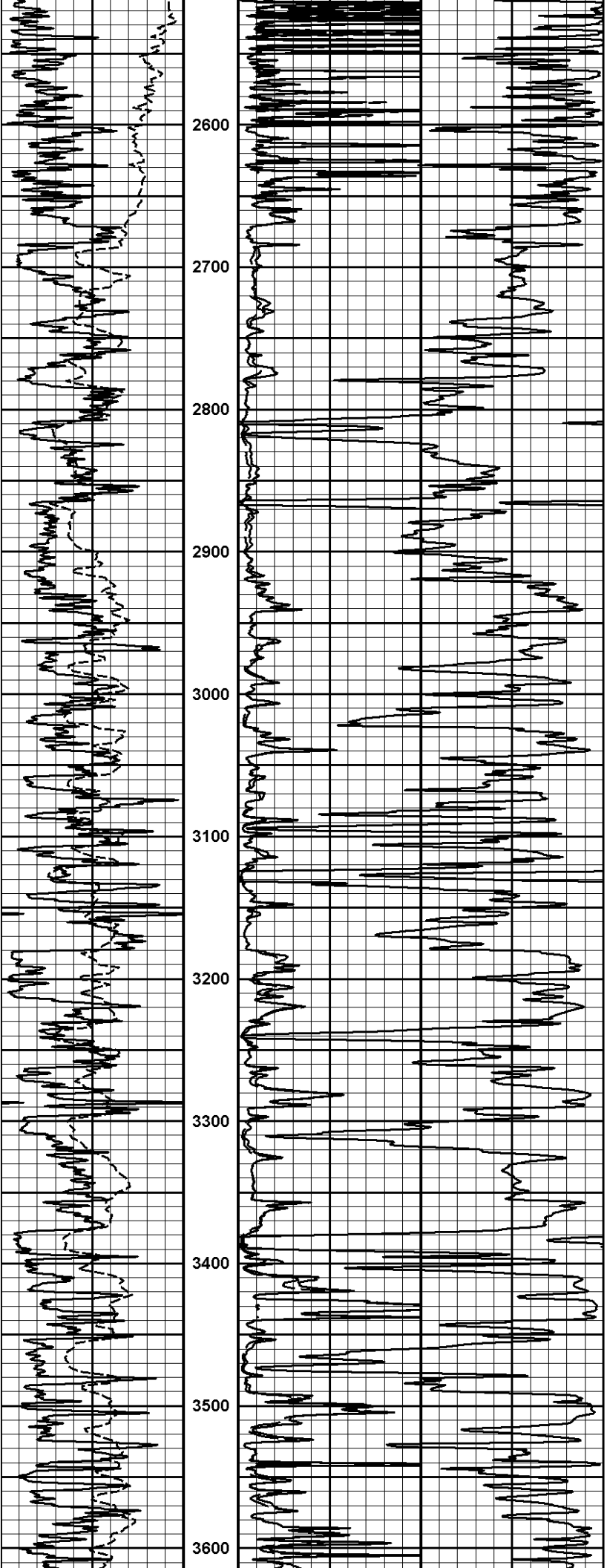
ARRAY COMPENSATED
TRUE RESISTIVITY
LOG

HALLIBURTON

Plot Time: 23-Aug-11 22:07:46
Plot Range: 1830 ft to 5611.75 ft
Data: STAPLETON_6_10\Well Based\CASING\
Plot File: \\-LOCAL-\STAPLETON_6_10\0001 TRIPLE COMBO\ACRT\ACRT_1_lib

1 INCH MAIN LOG

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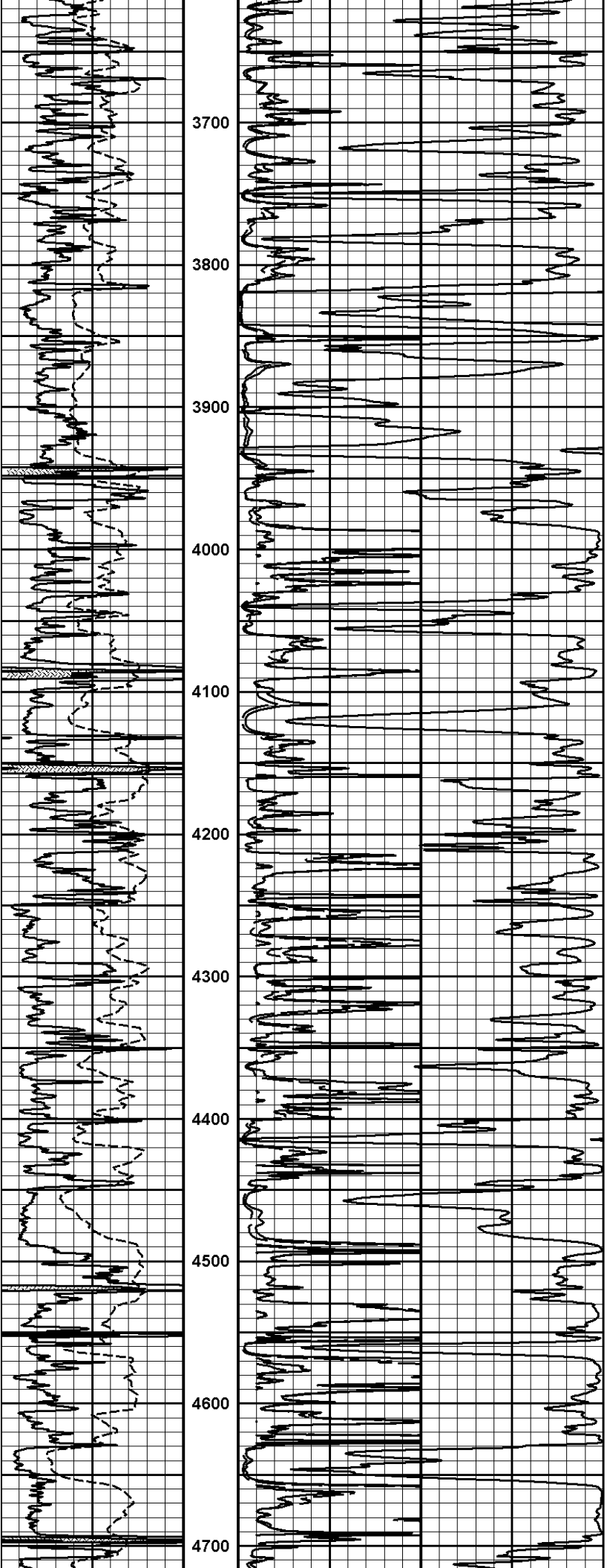
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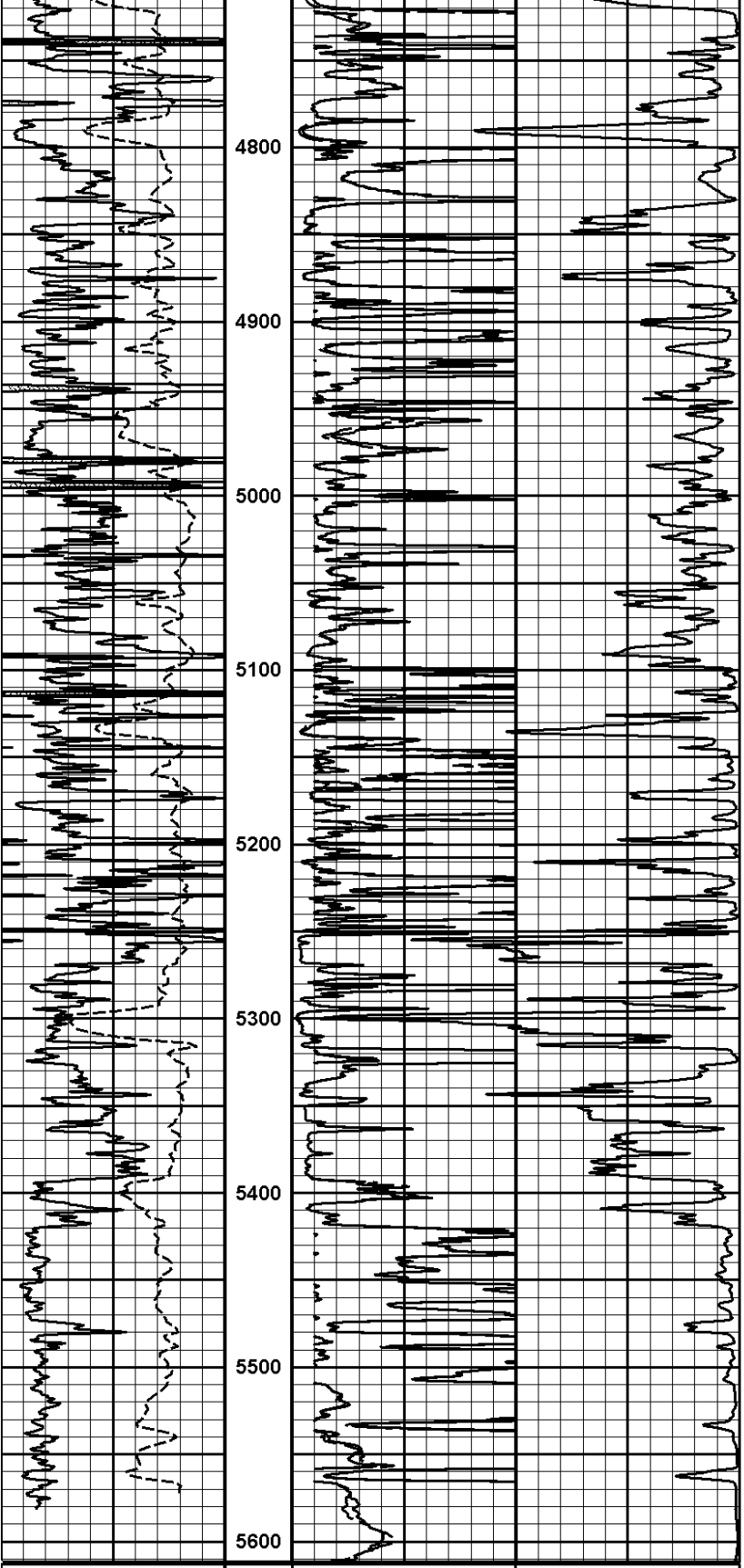

0 Gamma API 150	1 : 1200 FT	0 20in Resistivity 2ft Res 50
api		ohm-metre
SP		0 90in Resistivity 2ft Res 50
-]20[+		ohm-metre
		1000 90in Conductivity 2ft Res 0
		mmho per metre

HALLIBURTON

Plot Time: 23-Aug-11 22:07:48
Plot Range: 1830 ft to 5611.75 ft

Data: STAPLETON_6_10\Well Based\CASING\
Plot File: \\-LOCAL-\STAPLETON_6_10\0001 TRIPLE COMBO\ACRT\ACRT_1_lib

1 INCH MAIN LOG