

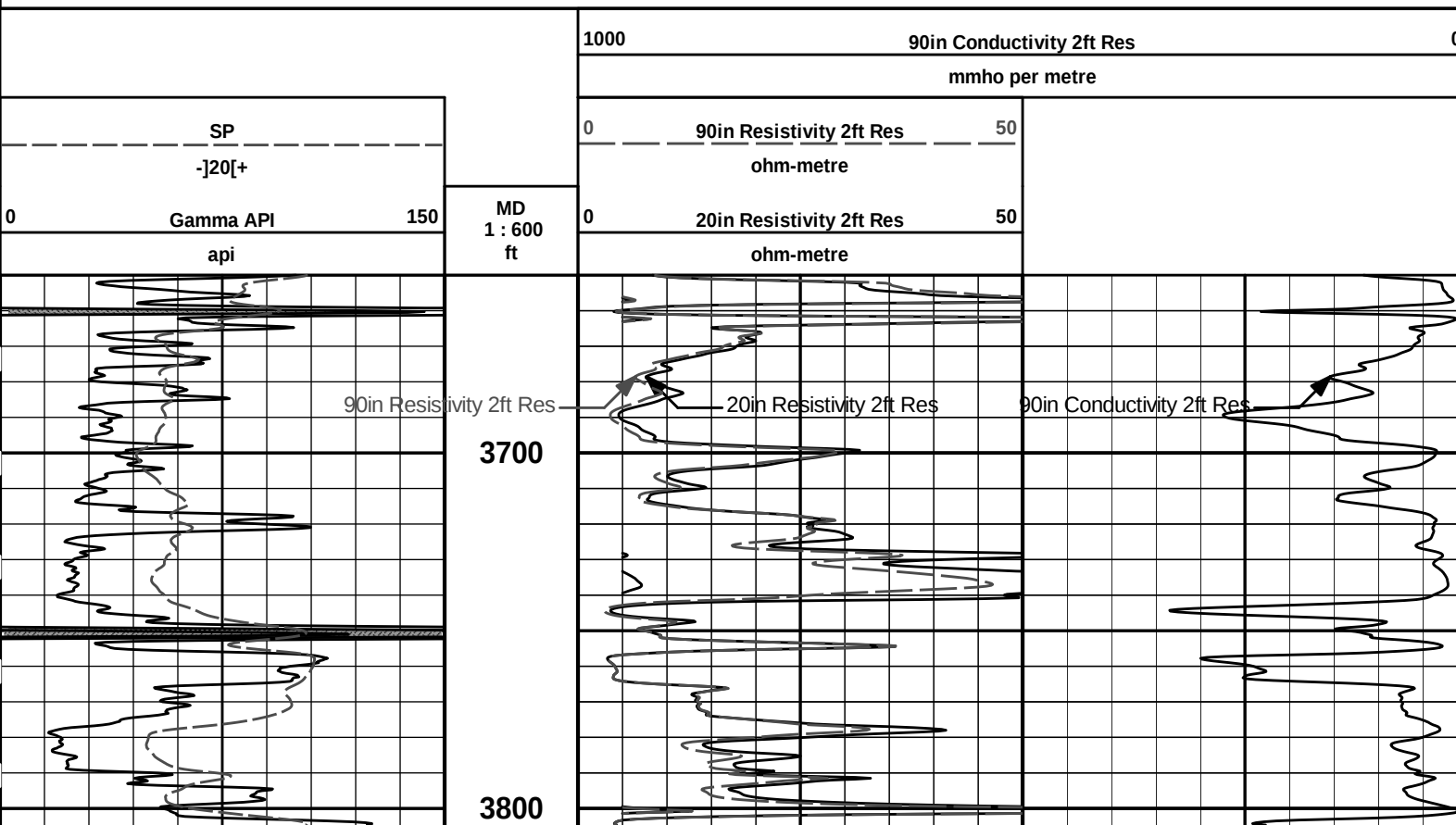
HALLIBURTON					ARRAY COMPENSATED TRUE RESISTIVITY LOG				
COMPANY WELL FIELD COUNTY STATE					COMPANY WELL FIELD COUNTY STATE				
OXY USA INC LOOMIS B2 AMAZON DITCH FINNEY KANSAS					OXY USA INC LOOMIS B2 AMAZON DITCH FINNEY KANSAS				
Permanent Datum Log measured from Drilling measured from					Sect. 34 Twp. 22S Rge. 34W Elev. 2941.0 ft D.F. G.L.				
Date Run No. Depth - Driller Depth - Logger Bottom - Logged Interval Top - Logged Interval Casing - Driller Casing - Logger Bit Size Type Fluid in Hole Density PH Source of Sample Rm @ Meas. Temperature Rmf @ Meas. Temperature Rmc @ Meas. Temperature Source Rmf Rm @ BHT Time Since Circulation Time on Bottom Max. Rec. Temperature Equipment Recorded By Witnessed By					18-Aug-12 ONE 4911.00 ft 4890.0 ft 4880.0 ft 3650.0 ft 8.625 in @ 1784.0 ft 1780.0 ft 7.875 in @ WATER BASED MUD 9.4 ppq 9.70 pH FLOW LINE 0.900 ohmm @ 73.00 degF 0.77 ohmm @ 72.00 degF 1.030 ohmm @ 72.00 degF MEASURED 0.58 ohmm @ 118.0 degF 8.0 hr 18-Aug-12 17:07 118.0 degF @ 4890.0 ft 10546696 T. HYDE D. READY				
					Other Services: MICRO DSNT/SDLT BSAT				

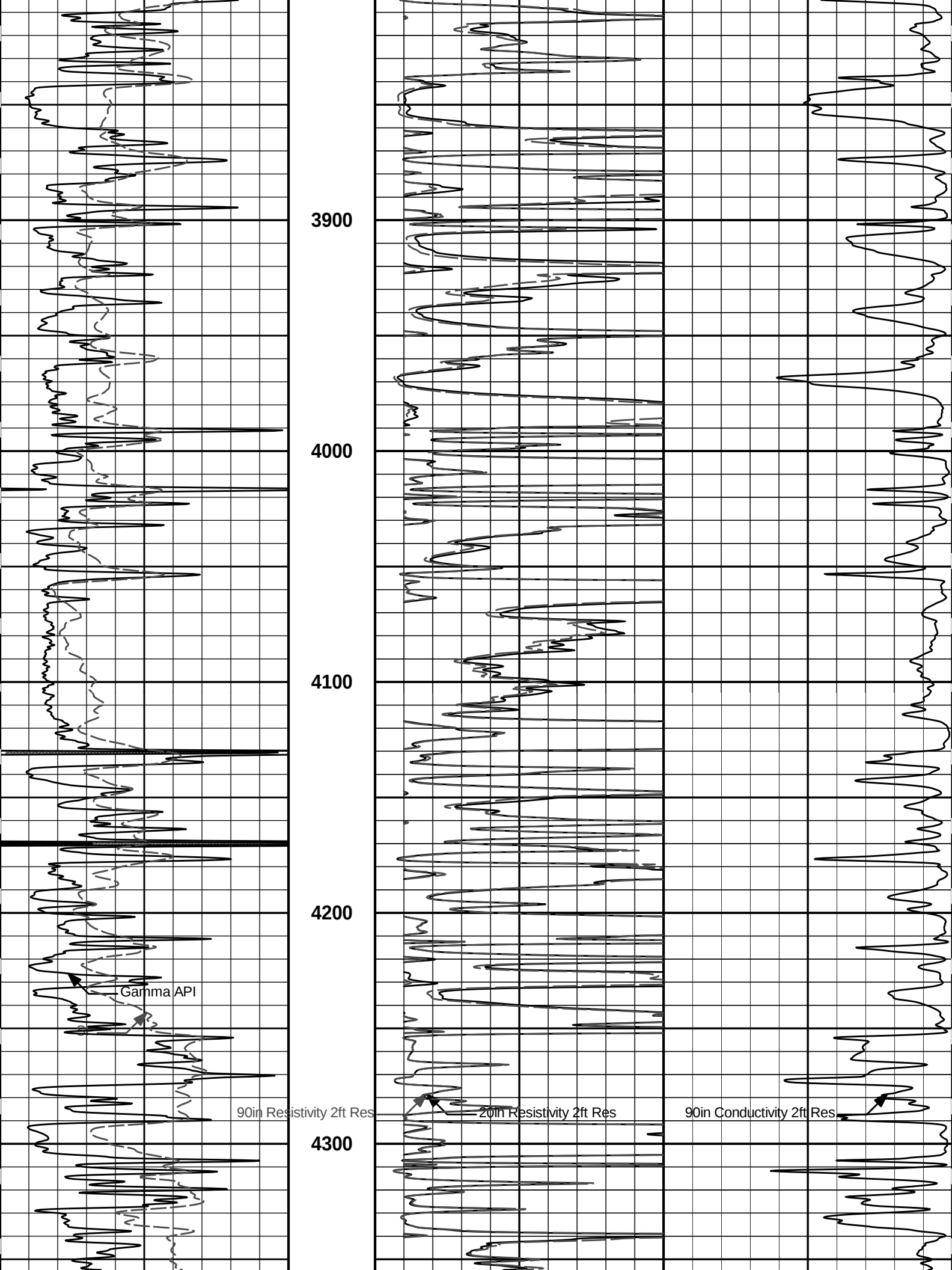
Service Ticket No.: 9754248									
API Serial No.: 15-055-22173									
PGM Version: WL INSITE R3.6.0 (Build 3)									
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE					RESISTIVITY SCALE CHANGES				
Date	Sample No.				Type Log	Depth	Scale Up Hole	Scale Down Hole	
Depth-Driller									
Type Fluid in Hole									
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.		@		@		I5059_S8385			
Source Rmf	Rmc								
Rm @ BHT		@		@					
Rmf @ BHT		@		@					
Rmc @ BHT		@		@					
EQUIPMENT DATA									
GAMMA		ACOUSTIC			DENSITY			NEUTRON	
Run No.	ONE	Run No.			Run No.			Run No.	
Serial No.	11048627	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	

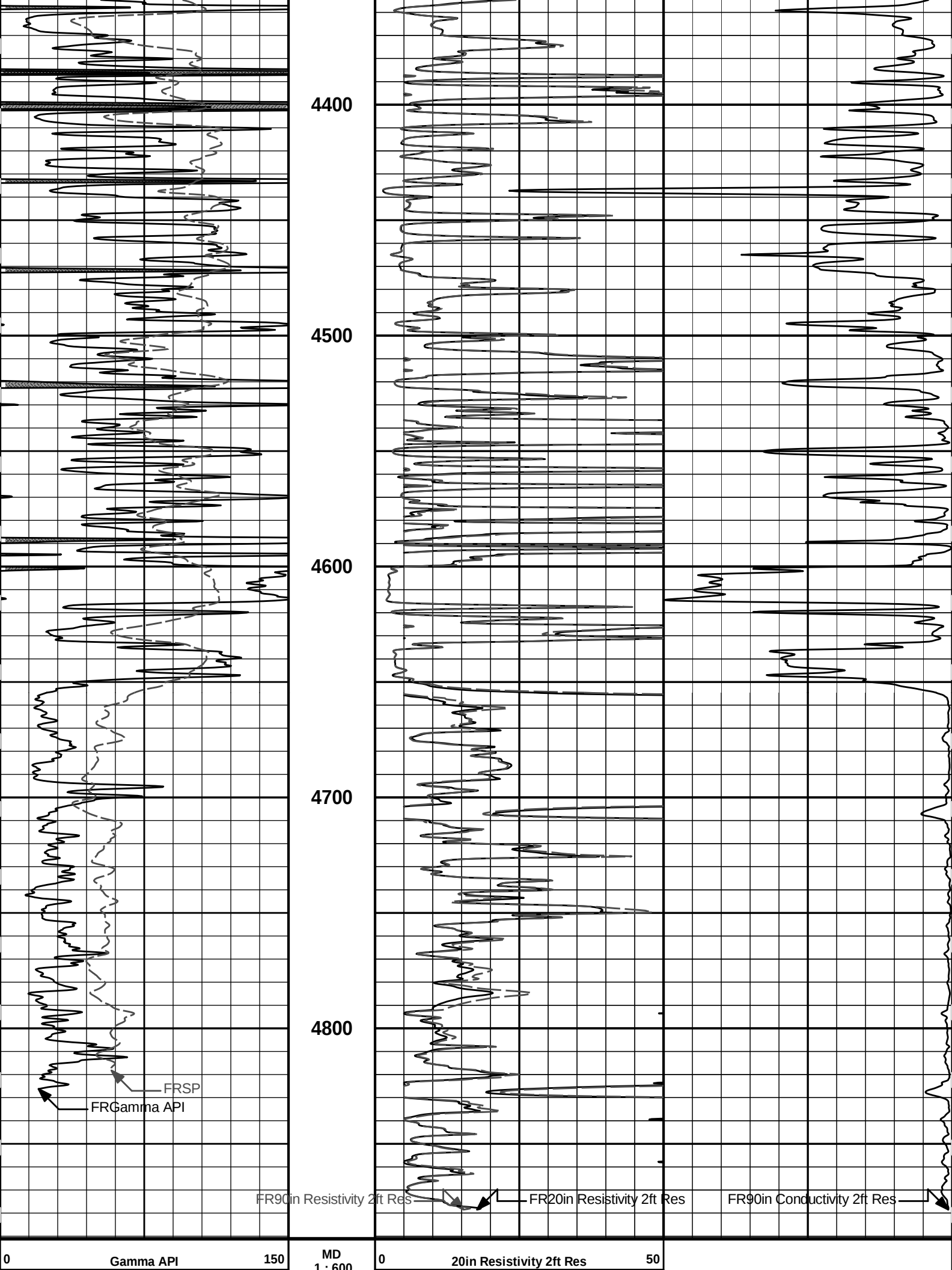
[illegible]

HALLIBURTON	Plot Time: 18-Aug-12 18:18:14 Plot Range: 3650 ft to 4890.75 ft Data: LOOMIS_B2\Well Based\DAQ-0003-003\ Plot File: \\-LOCAL-\\ACRT\ACRT_2_lib
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2 INCH MAIN LOG







api	17000 ft	ohm-metre	
SP		0 90in Resistivity 2ft Res 50	
-]20[+		ohm-metre	
		1000 90in Conductivity 2ft Res 0	
		mmho per metre	

HALLIBURTON

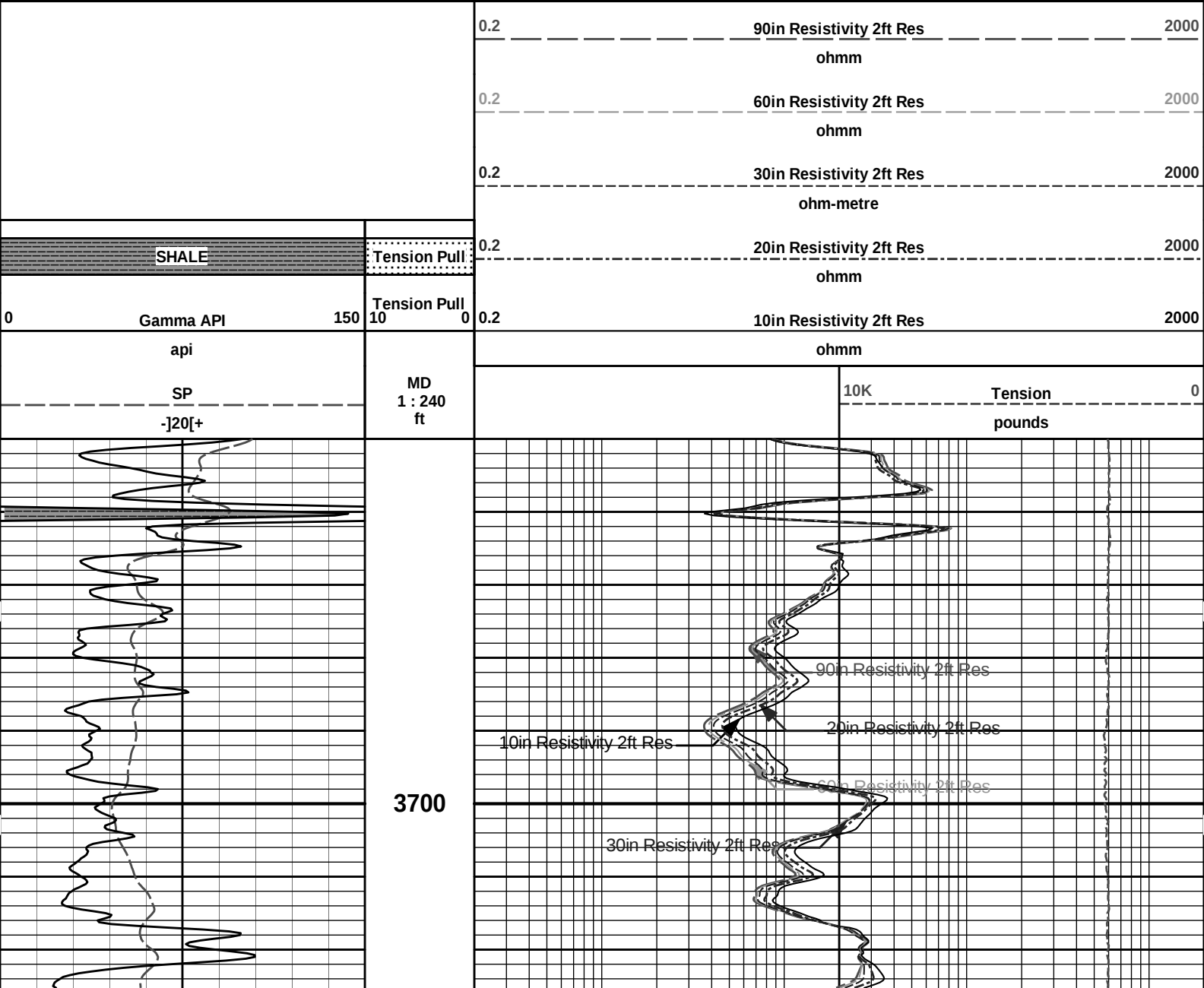
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Plot File: \\-LOCAL-\\ACRT\\ACRT_2_lib

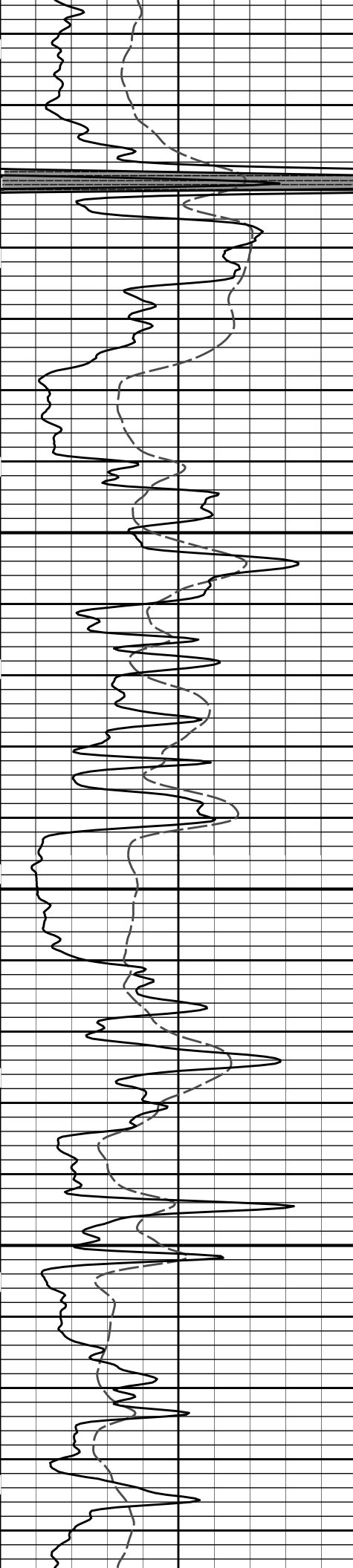
2 INCH MAIN LOG

HALLIBURTON

Plot Time: 18-Aug-12 18:18:18
Plot Range: 3650 ft to 4890.75 ft
Data: LOOMIS_B2\Well Based\DAQ-0003-003\
Plot File: \\-LOCAL-\\ACRT\\ACRT_5_main_lib

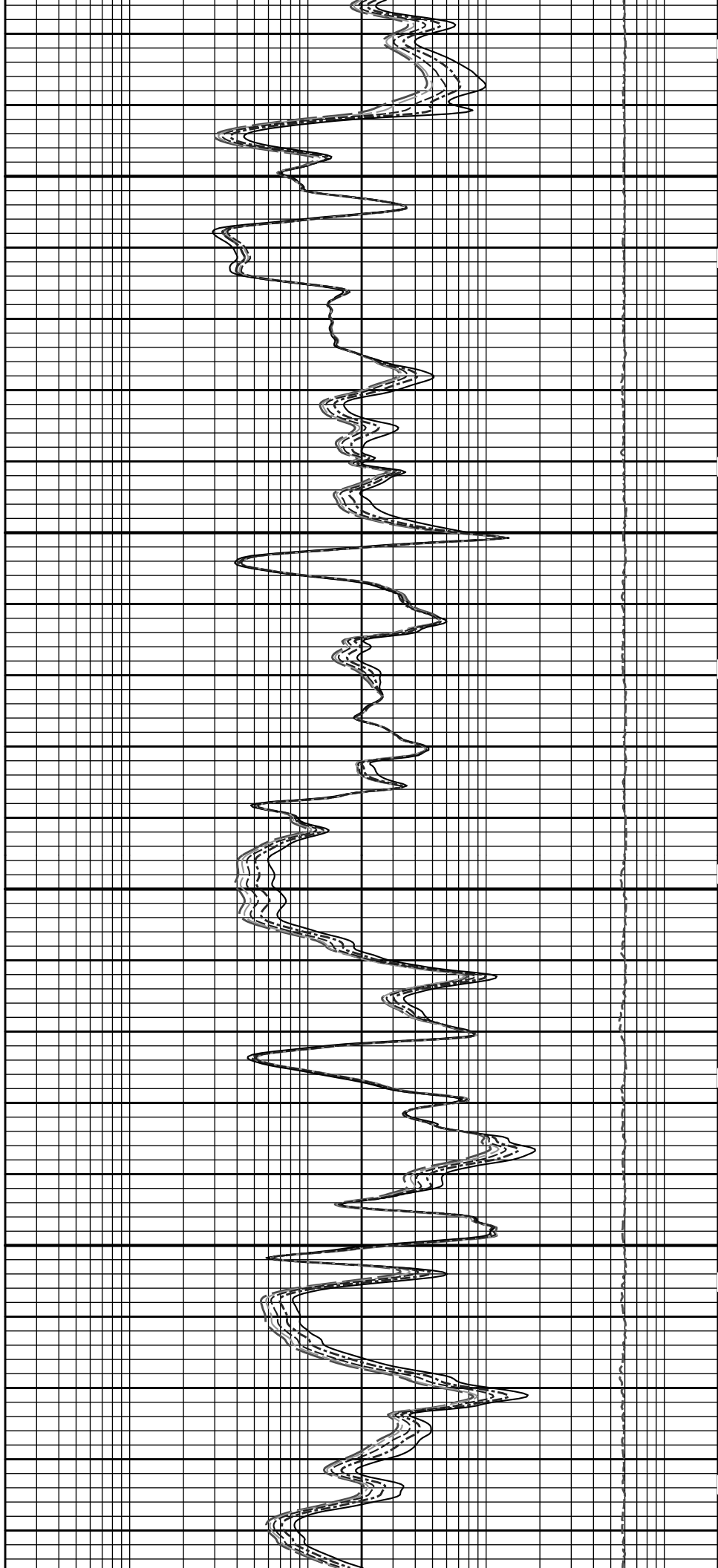
5 INCH MAIN LOG

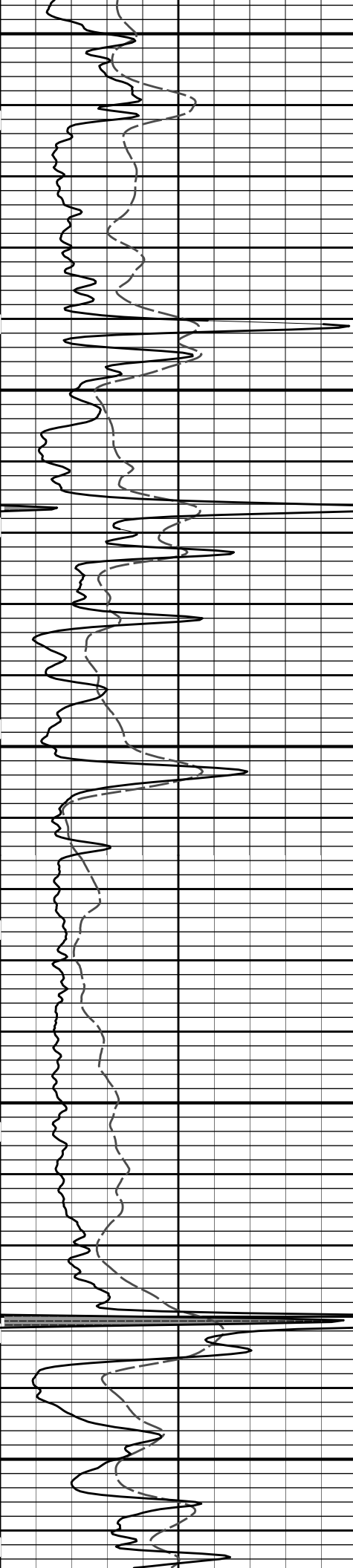




3800

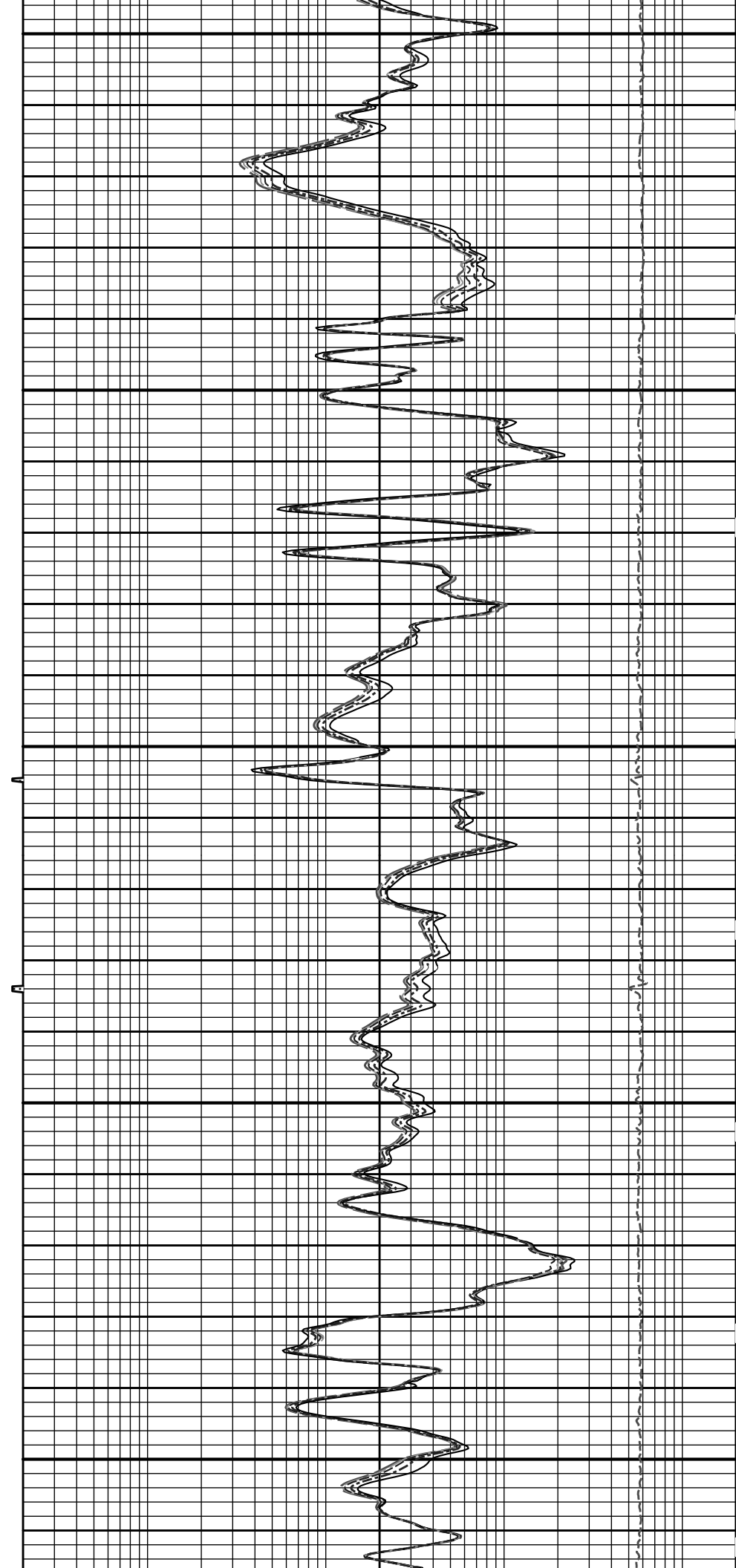
3900

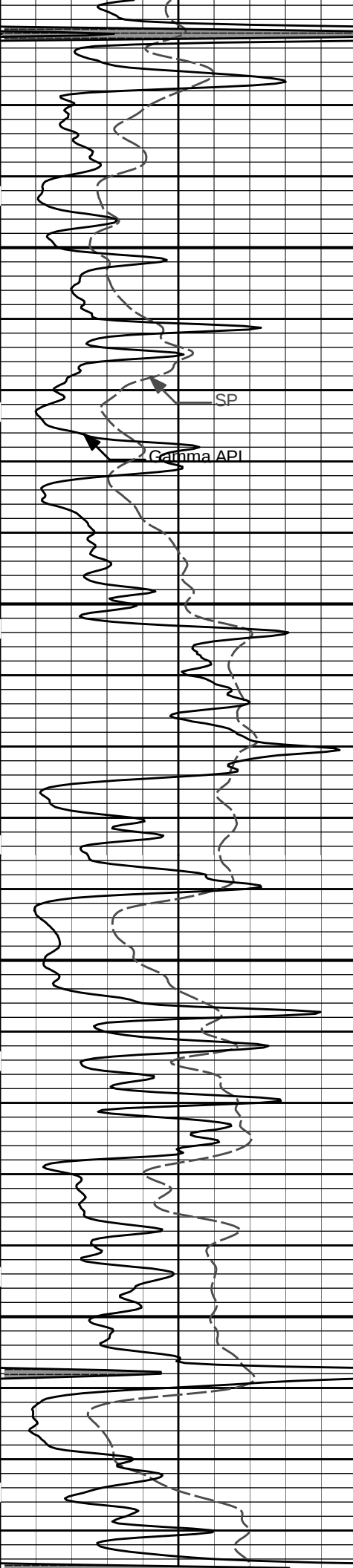




4000

4100



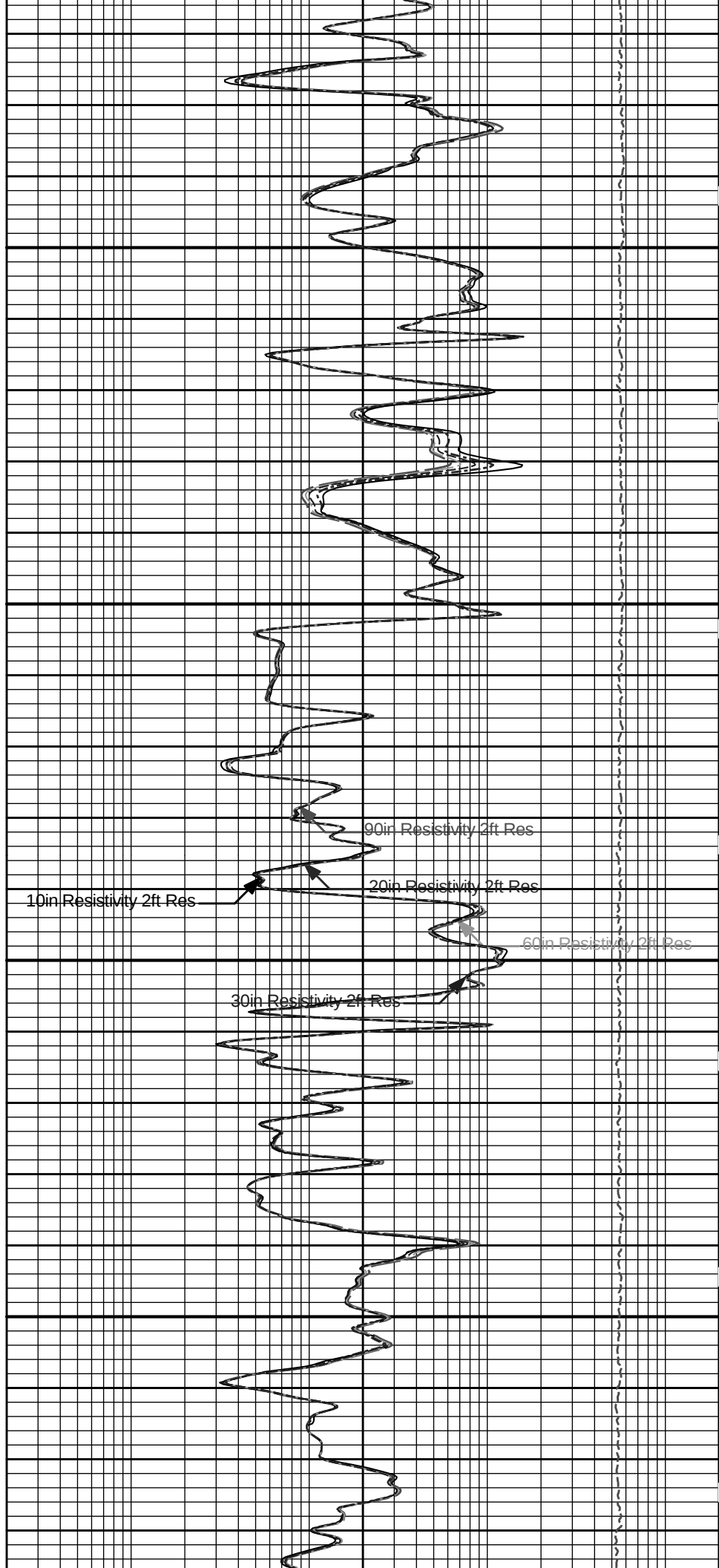


4200

SP

Gamma API

4300



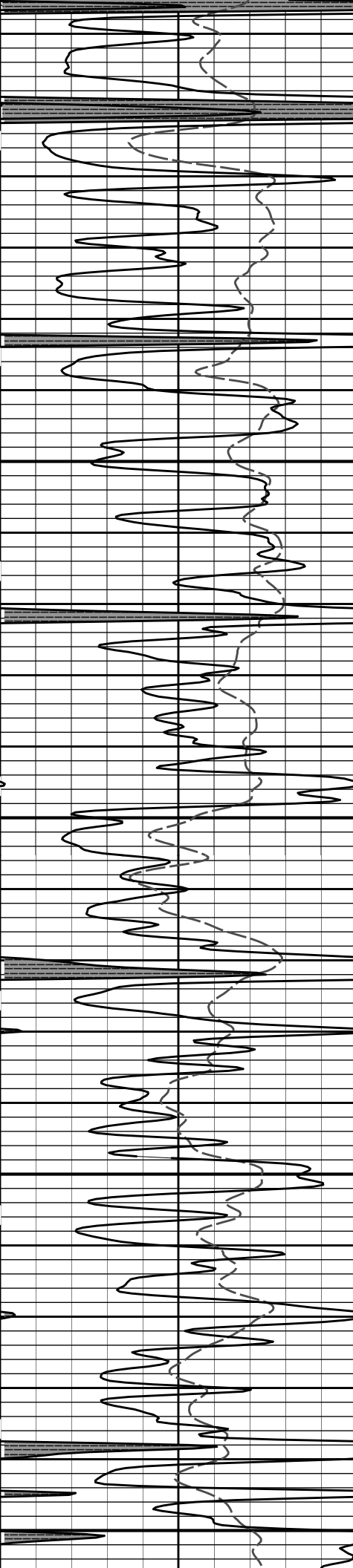
10in Resistivity 2ft Res

90in Resistivity 2ft Res

20in Resistivity 2ft Res

30in Resistivity 2ft Res

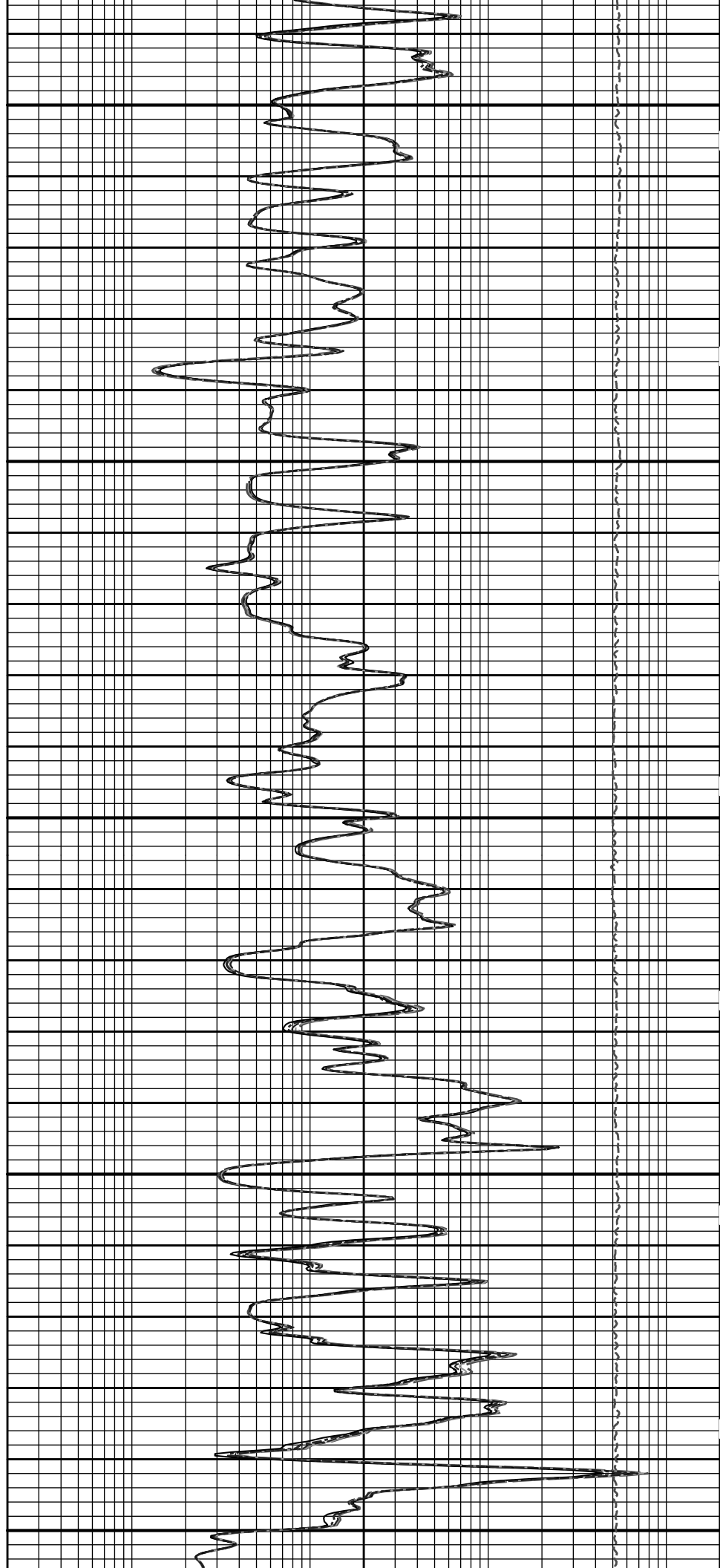
60in Resistivity 2ft Res

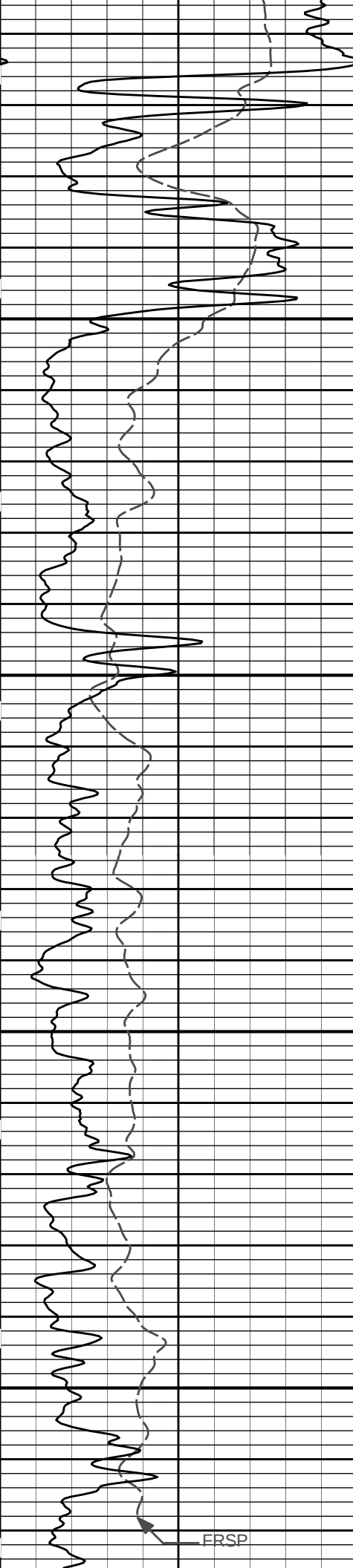


4400

4500

4600

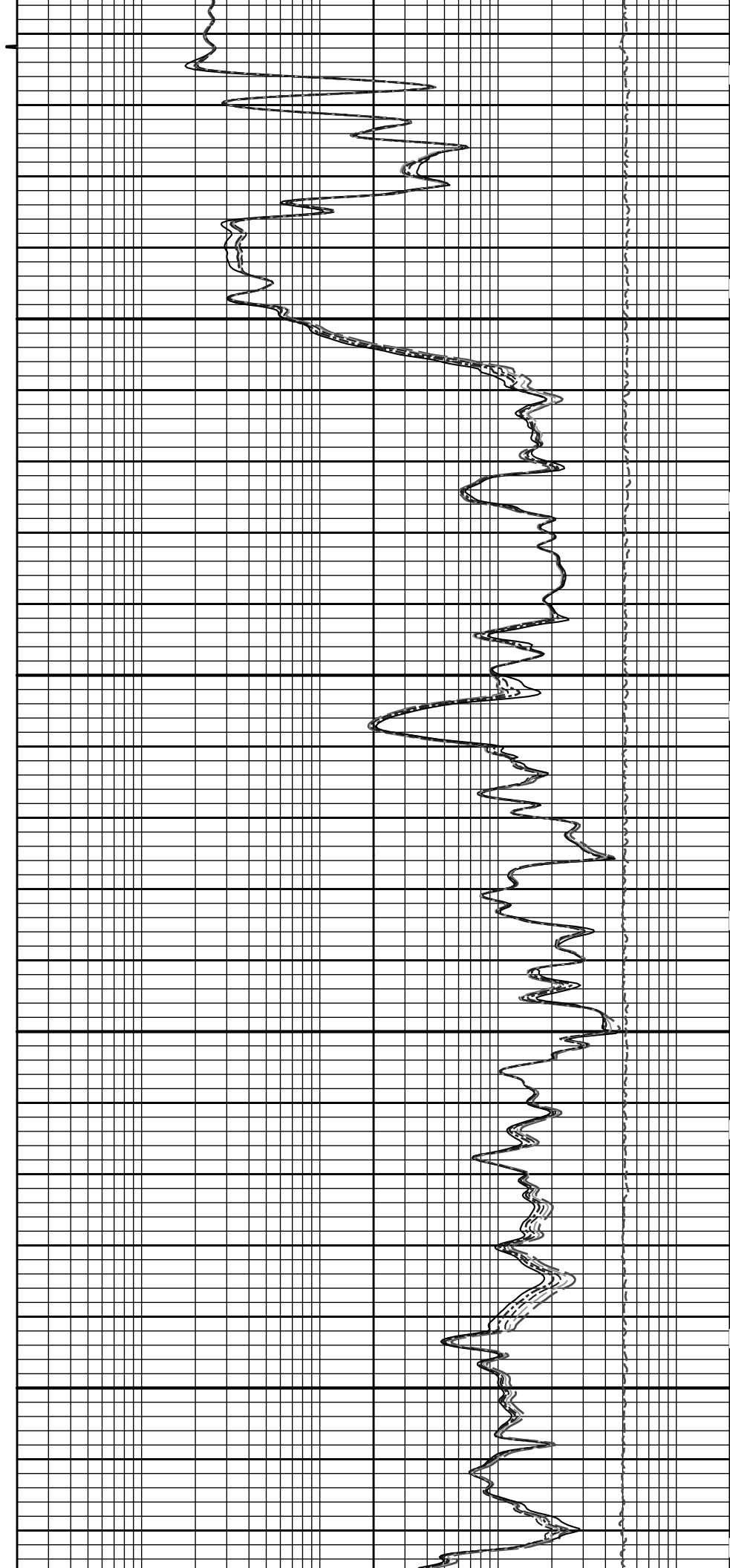


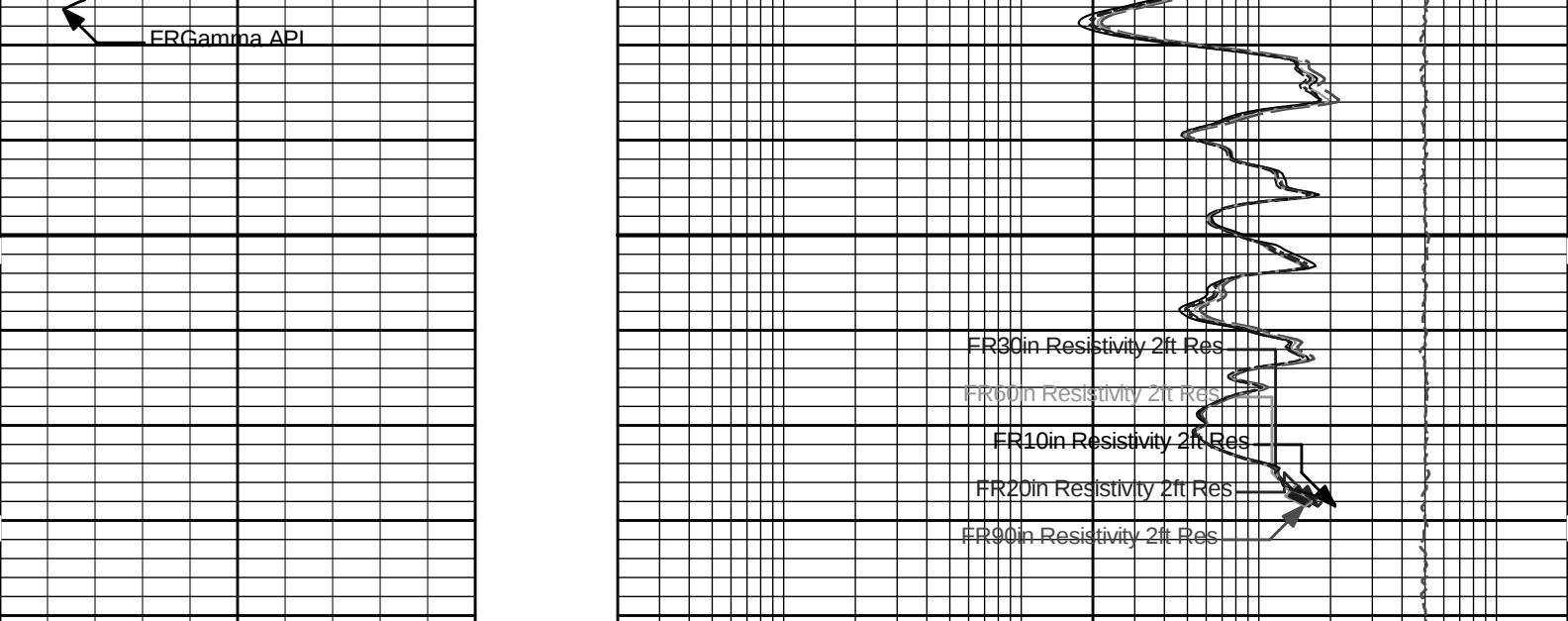


4700

4800

FRSP



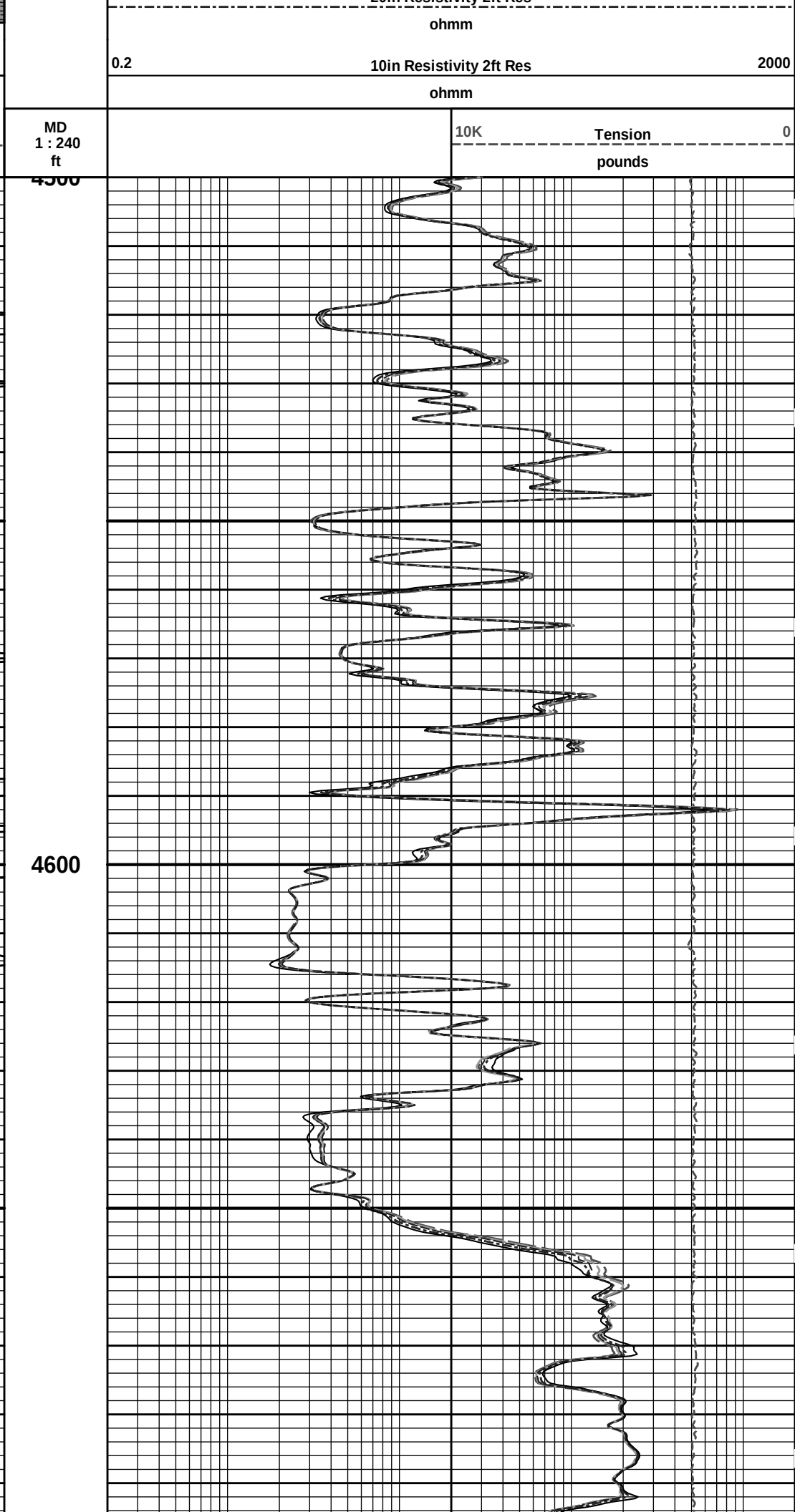
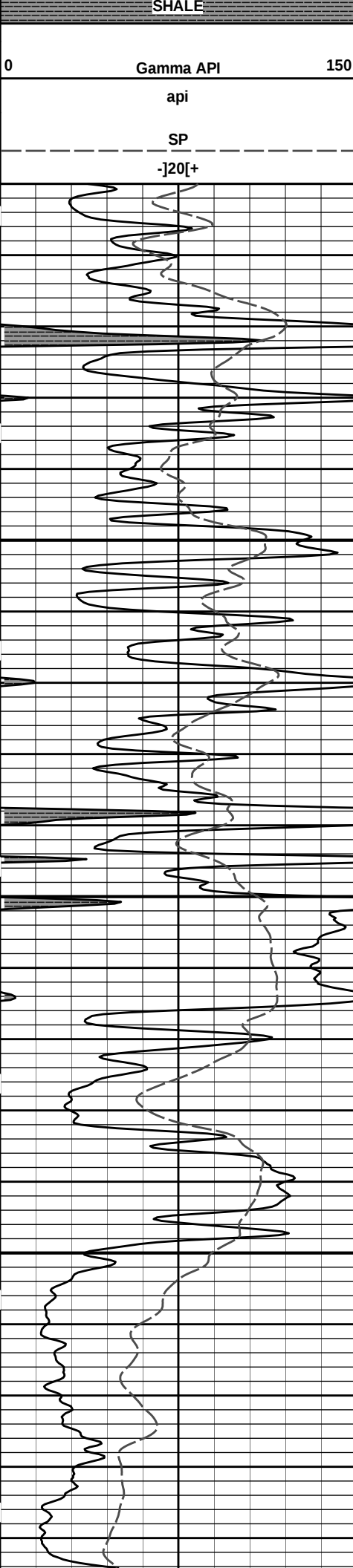


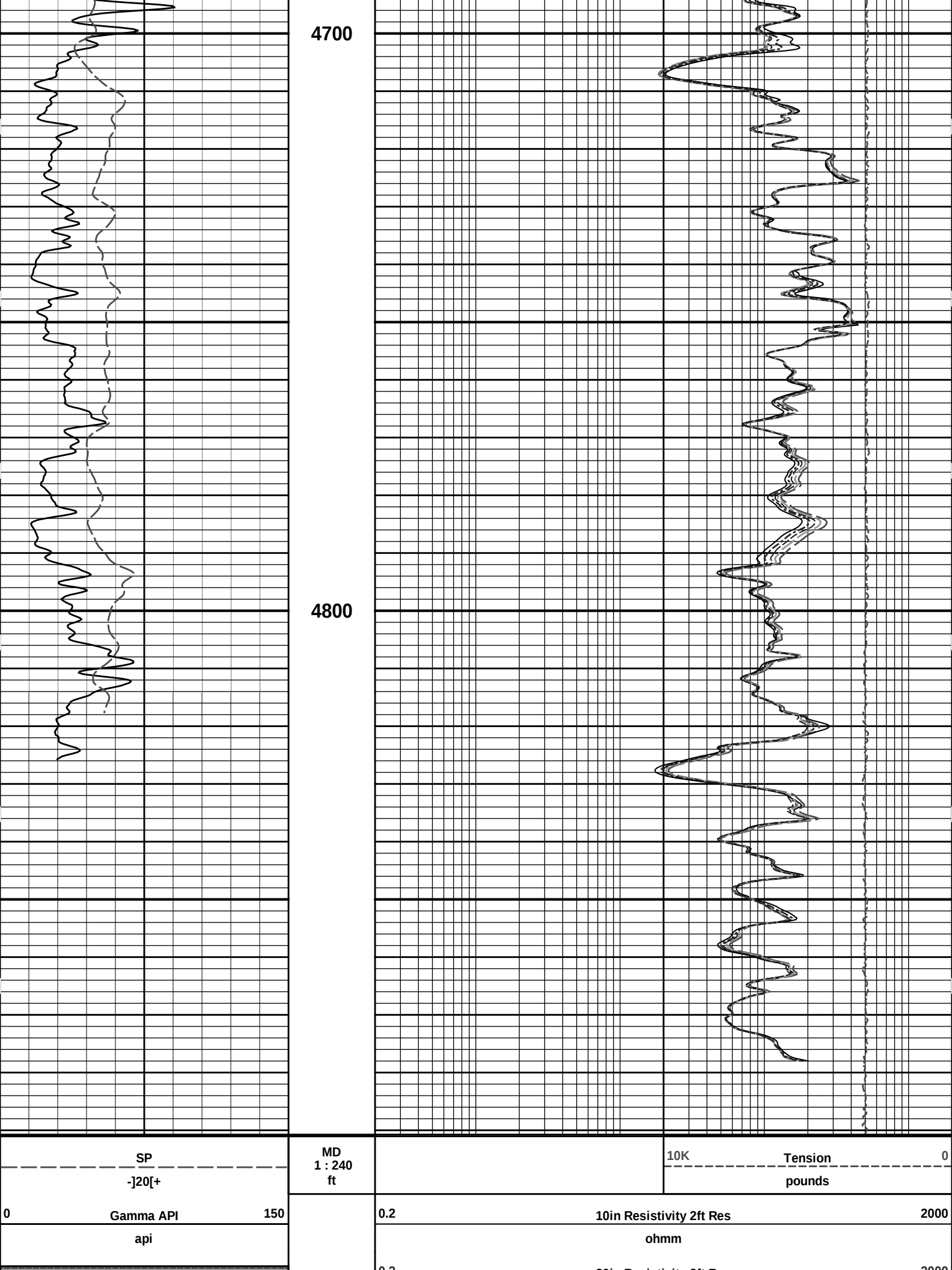
SP		MD 1 : 240 ft			10K	Tension	0	
-]20[+					pounds			
0	Gamma API	150	Tension Pull 10	0	0.2	10in Resistivity 2ft Res		2000
api								
SHALE			Tension Pull		0.2	20in Resistivity 2ft Res		2000
				0.2	30in Resistivity 2ft Res		2000	
				ohm-metre				
				0.2	60in Resistivity 2ft Res		2000	
				ohmm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

HALLIBURTON		Plot Time: 18-Aug-12 18:18:21 Plot Range: 3650 ft to 4890.75 ft Data: LOOMIS_B2\Well Based\DAQ-0003-003\ Plot File: \\-LOCAL-\\ACRT\\ACRT_5_main_lib
5 INCH MAIN LOG		

HALLIBURTON		Plot Time: 18-Aug-12 18:18:21 Plot Range: 4500 ft to 4890.75 ft Data: LOOMIS_B2\Well Based\DAQ-0003-002\ Plot File: \\-LOCAL-\\ACRT\\ACRT_5_repeat_lib
REPEAT SECTION		

	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

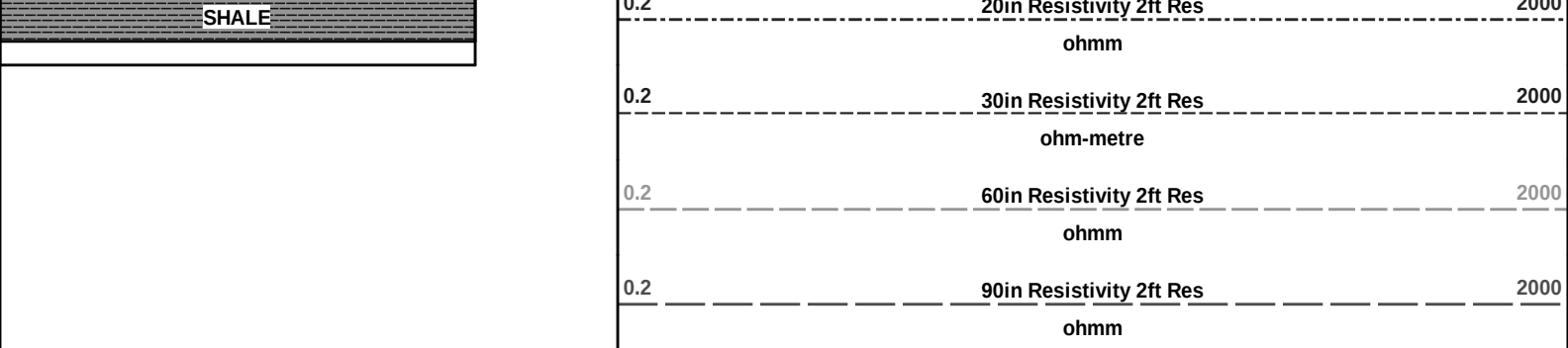




SP		
-]20[+		
0	Gamma API	150
api		

MD 1 : 240 ft

10K		Tension	0
		pounds	
0.2	10in Resistivity 2ft Res	2000	
ohmm			



HALLIBURTON

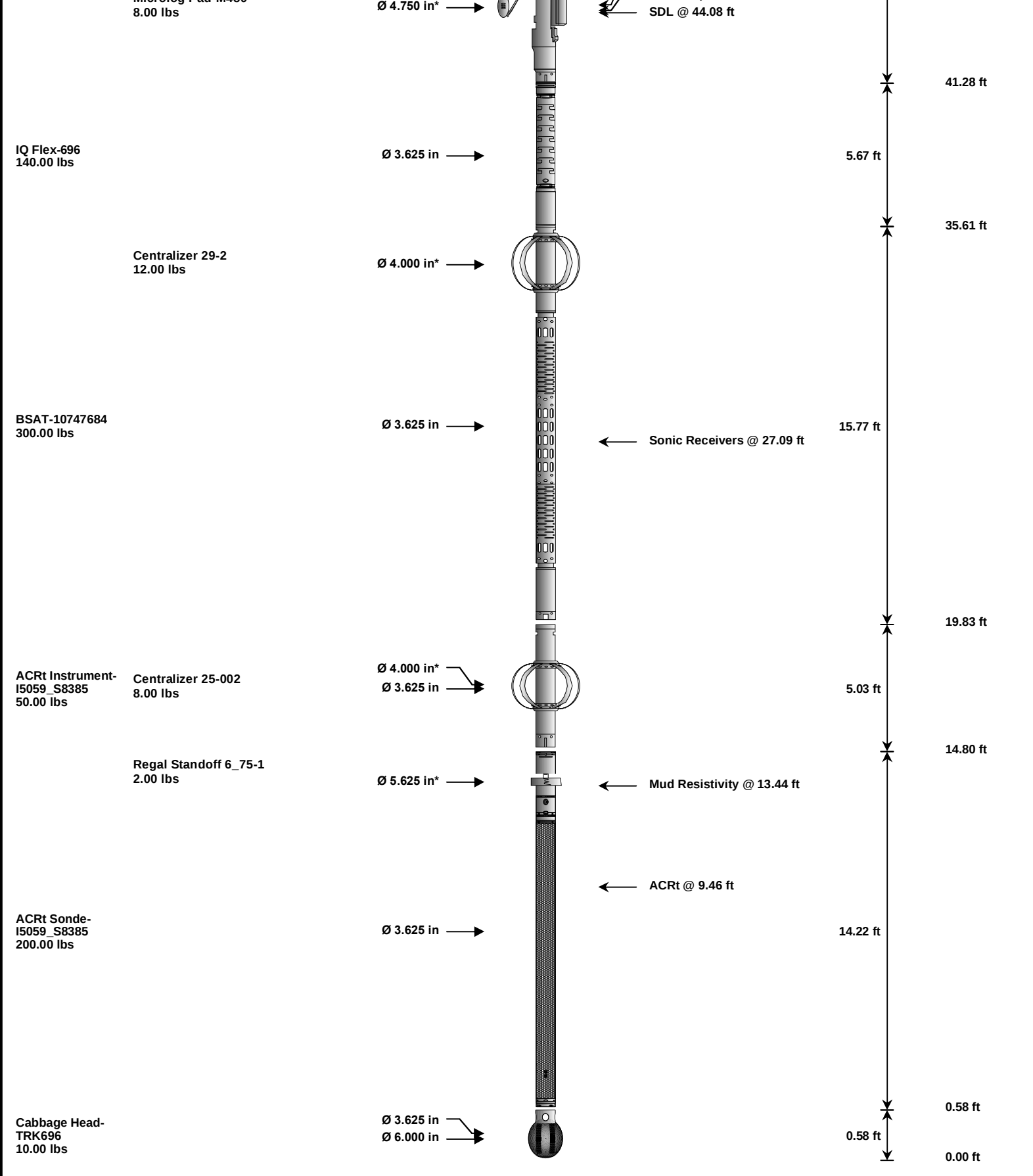
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Plot Range: 4500 ft to 4890.75 ft
Data: LOOMIS_B2\Well Based\DAQ-0003-002\
Plot File: \\-LOCAL-\\ACRT\\ACRT_5_repeat_lib

REPEAT SECTION

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	75.95 ft
SP Sub-001 60.00 lbs		Ø 3.625 in →		← SP @ 72.26 ft	3.74 ft	74.03 ft
GTET-11048627 165.00 lbs		Ø 3.625 in →		← GammaRay @ 64.23 ft	8.52 ft	70.30 ft
						61.78 ft
DSNT-11019643 174.00 lbs	DSN Decentralizer- 11005605 6.60 lbs	Ø 5.000 in* → Ø 3.625 in →		← DSN Far @ 54.84 ft ← DSN Near @ 54.09 ft	9.69 ft	
						52.09 ft
SDLT-I43_M489 360.00 lbs	SDLT Pad-P81 65.00 lbs Microlog Pad-M489	Ø 4.500 in → Ø 4.750 in*		Microlog @ 44.28 ft SDLT Caliper @ 44.09 ft	10.81 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	74.03	300.00
SP	SP Sub		001	60.00	3.74	70.30	300.00
GTET	Gamma Telemetry Tool		11048627	165.00	8.52	61.78	60.00
DSNT	Dual Spaced Neutron		11019643	174.00	9.69	52.09	60.00
DCNT	DSN Decentralizer		11005605	6.60	5.13	* 55.42	300.00
SDLT	Spectral Density Tool		I43_M489	360.00	10.81	41.28	60.00
SDLP	Density Insite Pad		P81	65.00	2.55	* 43.49	60.00
MICP	Microlog Pad		M489	8.00	1.00	* 43.78	60.00

IQF	IQ Flex tool	696	140.00	5.67	35.61	300.00
BSAT	Borehole Sonic Array Tool	10747684	300.00	15.77	19.83	60.00
OBCEN	Centralizer - 29 in.Overbody	2	12.00	2.42 *	32.88	300.00
ACRt	Array Compensated True Resistivity Instrument Section	I5059_S8385	50.00	5.03	14.80	300.00
OBCEN	Centralizer - 25 in. Overbody	002	8.00	2.08 *	16.30	300.00
ACRt	Array Compensated True Resistivity Sonde Section	I5059_S8385	200.00	14.22	0.58	300.00
RSOF	Regal Standoff 6.75in	1	2.00	0.52 *	13.38	300.00
CBHD	Cabbage Head	TRK696	10.00	0.58	0.00	300.00
Total			1,590.60	75.95		
* Not included in Total Length and Length Accumulation.						
Data: LOOMIS_B2\0003 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-CH\003 18-Aug-12 17:07 Up @4890.8f					Date: 18-Aug-12 17:16:18	

HALLIBURTON									
CALIBRATION REPORT									
NATURAL GAMMA RAY TOOL SHOP CALIBRATION									
Tool Name:		GTET - 11048627			Reference Calibration Date:		09-Aug-12 10:44:30		
Engineer:		T. HYDE			Calibration Date:		09-Aug-12 10:50:33		
Software Version:		WL INSITE R3.6.0 (Build 3)			Calibration Version:		1		
Calibrator Source S/N: TB146									
Calibrator API Reference:265.00 api									
Equivalent Calibrator API Reference:269.6 api									
		Measurement	Measured	Calibrated	Units				
		Background	57.5	57.1	api				
		Background + Calibrator	328.7	326.8	api				
		Calibrator	271.3	269.6	api				
NATURAL GAMMA RAY TOOL FIELD CALIBRATION									
Tool Name:		GTET - 11048627			Reference Calibration Date:		09-Aug-12 10:50:33		
Engineer:		T. HYDE			Calibration Date:		16-Aug-12 22:29:50		
Software Version:		WL INSITE R3.6.0 (Build 3)			Calibration Version:		1		
Calibrator Source S/N: TB146									
Calibrator API Reference:265.00 api									
Equivalent Calibrator API Reference:269.6 api									
		Field Verification	Shop	Field	Units				
		Background	57.1	23.4	api				
		Background + Calibrator	326.8	295.0	api				
		Calibrator	269.6	271.6	api				
		Shop	Field	Difference	Tolerance				
		269.6	271.6	-2.0	+/- 9.00				
ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION									
Tool Name:		ACRt Sonde - I5059_S8385			Reference Calibration Date:		12-Jul-12 16:18:52		
Engineer:		T. HYDE			Calibration Date:		12-Jul-12 16:29:47		
Software Version:		WL INSITE R3.6.0 (Build 3)			Calibration Version:		1		
Host Tool Name:		ACRt Instrument - I5059_S8385							
TYPICAL GAIN RANGE									
Subarray	R12KHz		R36KHz			R72KHz			
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper

	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.03	1.05	0.95	1.04	1.05	0.95	1.04	1.05
A2 (50")	0.95	1.01	1.05	0.95	1.02	1.05	0.95	1.02	1.05
A3 (29")	0.95	1.01	1.05	0.95	1.01	1.05	0.95	1.01	1.05
A4 (17")	0.95	1.01	1.05	0.95	1.02	1.05	0.95	1.02	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.01	1.05	0.95	1.01	1.05
A6 (6")	N/A	N/A	N/A	0.95	1.00	1.05	0.95	1.00	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	-1.40	2	-6	-4.43	-2	-8	-4.52	-2
A2 (50")	-7	-2.26	0	-7	-3.72	0	-7	-4.52	0
A3 (29")	-27	-13.36	-9	-9	-3.56	-3	-7	-2.73	-1
A4 (17")	-180	-107.06	-60	-45	-33.57	-15	-39	-26.06	-13
A5 (10")	N/A	N/A	N/A	-150	-82.67	-50	-80	-41.94	-10
A6 (6")	N/A	N/A	N/A	175	341.28	525	90	170.50	270

TRANSMITTER CURRENT GAIN				R-MUD VERIFICATION			
Signal	Lower	R	Upper	Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
12K	0.6	0.92	1.3	Mud Cell	0.95	1.00	1.05
36K	1.0	1.37	2.0				
72K	1.0	1.63	2.0				
PASS/FAIL SUMMARY							
GAIN RANGE CHK				PASS			
SONDE OFFSET RANGE CHK				PASS			
Tx CURRENT GAIN				PASS			
Rmud VERIFICATION				PASS			
TOOL OK TO LOG							

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11048627						
Gamma Ray Calibrator	269.6	271.6	-----	-2.0	+/- 9.00	api
ACRt Sonde-I5059_S8385						
Mud Cell	1.00	-----	-----	0.00	-----	ohm-m
Data: LOOMIS_B2I0003 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-CHIDLE					Date: 18-Aug-12 17:17:02	

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	9.400 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	0.900	ohmm
SHARED	TRM	Temperature of Mud	75.0	degF
SHARED	CSD	Logging Interval is Cased?	No	
SHARED	ICOD	AHV Casing OD	5.500	in
SHARED	ST	Surface Temperature	75.0	degF
SHARED	TD	Total Well Depth	4911.00	ft
SHARED	BHT	Bottom Hole Temperature	200.0	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	DSNO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
DSNT	DNTP	Temperature Correction Type	None	
DSNT	DPRS	DSN Pressure Correction Type	None	
DSNT	SHCO	View More Correction Options	No	
DSNT	UTVD	Use TVD for Gradient Corrections?	No	
DSNT	LHWT	Logging Horizontal Water Tank?	No	
SDLT	CLOK	Process Caliper Outputs?	Yes	
Microlog Pad	MLOK	Process MicroLog Outputs?	Yes	
SDLT Pad	DNOK	Process Density?	Yes	
SDLT Pad	DNOK	Process Density EVR?	No	
SDLT Pad	CB	Logging Calibration Blocks?	No	
SDLT Pad	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT Pad	DTWN	Disable temperature warning	No	
SDLT Pad	DMA	Formation Density Matrix	2.710	g/cc
SDLT Pad	DFL	Formation Density Fluid	1.000	g/cc
BSAT	MBOK	Compute BCAS Results?	Yes	
BSAT	FLLO	Frequency Filter Low Pass Value?	5000	Hz
BSAT	FLHI	Frequency Filter High Pass Value?	27000	Hz
BSAT	DTFL	Delta -T Fluid	189.00	uspf
BSAT	DTMT	Delta -T Matrix Type	User define	
BSAT	DTMA	Delta -T Matrix	47.60	uspf
BSAT	DTSH	Delta -T Shale	100.00	uspf

BSAT	SPEQ	Acoustic Porosity Equation	Wylie	
ACRt Sonde	RTOK	Process ACRt?	Yes	
ACRt Sonde	MNSO	Minimum Tool Standoff	1.50	in
ACRt Sonde	TCS1	Temperature Correction Source	FP Lwr & FP Up	
ACRt Sonde	TPOS	Tool Position	Free Hanging	
ACRt Sonde	RMOP	Rmud Source	Mud Cell	
ACRt Sonde	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt Sonde	RMIN	Maximum Resistivity for MAP	200.00	ohmm
ACRt Sonde	THQY	Threshold Quality	0.50	
ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm
BOTTOM				
Data: LOOMIS_B2I0003 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-CHIDLE			Date: 18-Aug-12 17:18:34	

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		72.25	NO	
SP	Spontaneous Potential		72.25	BLK	1.250
SPR	Raw Spontaneous Potential		72.25	NO	
SPO	Spontaneous Potential Offset		72.25	NO	
GTET					
TPUL	Tension Pull		64.23	NO	
GR	Natural Gamma Ray API		64.23	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API		64.23	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution		64.23	W	1.416 , 0.750
ACCZ	Accelerometer Z		0.00	BLK	0.083
DEVI	Inclination		0.00	NO	
DSNT					
TPUL	Tension Pull		53.99	NO	
RNDS	Near Detector Telemetry Counts		54.09	BLK	1.417
RFDS	Far Detector Telemetry Counts		54.84	TRI	0.583
DNTT	DSN Tool Temperature		54.09	NO	
DSNS	DSN Tool Status		53.99	NO	
ERND	Near Detector Telemetry Counts EVR		54.09	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR		54.84	BLK	0.000
ENTM	DSN Tool Temperature EVR		54.09	NO	
SDLT					
TPUL	Tension Pull		44.09	NO	
PCAL	Pad Caliper		44.09	TRI	0.250
ACAL	Arm Caliper		44.09	TRI	0.250
BSAT					
TPUL	Tension Pull		27.09	NO	
STAT	Status		27.09	NO	
DLYT	Delay Time		27.09	NO	

SI	Sample Interval	27.09	NO	
TXRX	Raw Telemetry 10 Receivers	27.09	NO	
FRMC	Tool Frame Count	27.09	NO	
GMOD	Gain processing mode	19.83	NO	
ACRt Sonde				
TPUL	Tension Pull	2.97	NO	
F1R1	ACRT 12KHz - 80in R value	9.22	BLK	0.000
F1X1	ACRT 12KHz - 80in X value	9.22	BLK	0.000
F1R2	ACRT 12KHz - 50in R value	6.72	BLK	0.000
F1X2	ACRT 12KHz - 50in X value	6.72	BLK	0.000
F1R3	ACRT 12KHz - 29in R value	5.22	BLK	0.000
F1X3	ACRT 12KHz - 29in X value	5.22	BLK	0.000
F1R4	ACRT 12KHz - 17in R value	4.22	BLK	0.000
F1X4	ACRT 12KHz - 17in X value	4.22	BLK	0.000
F1R5	ACRT 12KHz - 10in R value	3.72	BLK	0.000
F1X5	ACRT 12KHz - 10in X value	3.72	BLK	0.000
F1R6	ACRT 12KHz - 6in R value	3.47	BLK	0.000
F1X6	ACRT 12KHz - 6in X value	3.47	BLK	0.000
F2R1	ACRT 36KHz - 80in R value	9.22	BLK	0.000
F2X1	ACRT 36KHz - 80in X value	9.22	BLK	0.000
F2R2	ACRT 36KHz - 50in R value	6.72	BLK	0.000
F2X2	ACRT 36KHz - 50in X value	6.72	BLK	0.000
F2R3	ACRT 36KHz - 29in R value	5.22	BLK	0.000
F2X3	ACRT 36KHz - 29in X value	5.22	BLK	0.000
F2R4	ACRT 36KHz - 17in R value	4.22	BLK	0.000
F2X4	ACRT 36KHz - 17in X value	4.22	BLK	0.000
F2R5	ACRT 36KHz - 10in R value	3.72	BLK	0.000
F2X5	ACRT 36KHz - 10in X value	3.72	BLK	0.000
F2R6	ACRT 36KHz - 6in R value	3.47	BLK	0.000
F2X6	ACRT 36KHz - 6in X value	3.47	BLK	0.000
F3R1	ACRT 72KHz - 80in R value	9.22	BLK	0.000
F3X1	ACRT 72KHz - 80in X value	9.22	BLK	0.000
F3R2	ACRT 72KHz - 50in R value	6.72	BLK	0.000
F3X2	ACRT 72KHz - 50in X value	6.72	BLK	0.000
F3R3	ACRT 72KHz - 29in R value	5.22	BLK	0.000
F3X3	ACRT 72KHz - 29in X value	5.22	BLK	0.000
F3R4	ACRT 72KHz - 17in R value	4.22	BLK	0.000
F3X4	ACRT 72KHz - 17in X value	4.22	BLK	0.000
F3R5	ACRT 72KHz - 10in R value	3.72	BLK	0.000
F3X5	ACRT 72KHz - 10in X value	3.72	BLK	0.000
F3R6	ACRT 72KHz - 6in R value	3.47	BLK	0.000
F3X6	ACRT 72KHz - 6in X value	3.47	BLK	0.000
RMUD	Mud Resistivity	12.76	BLK	0.000
F1RT	Transmitter 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	

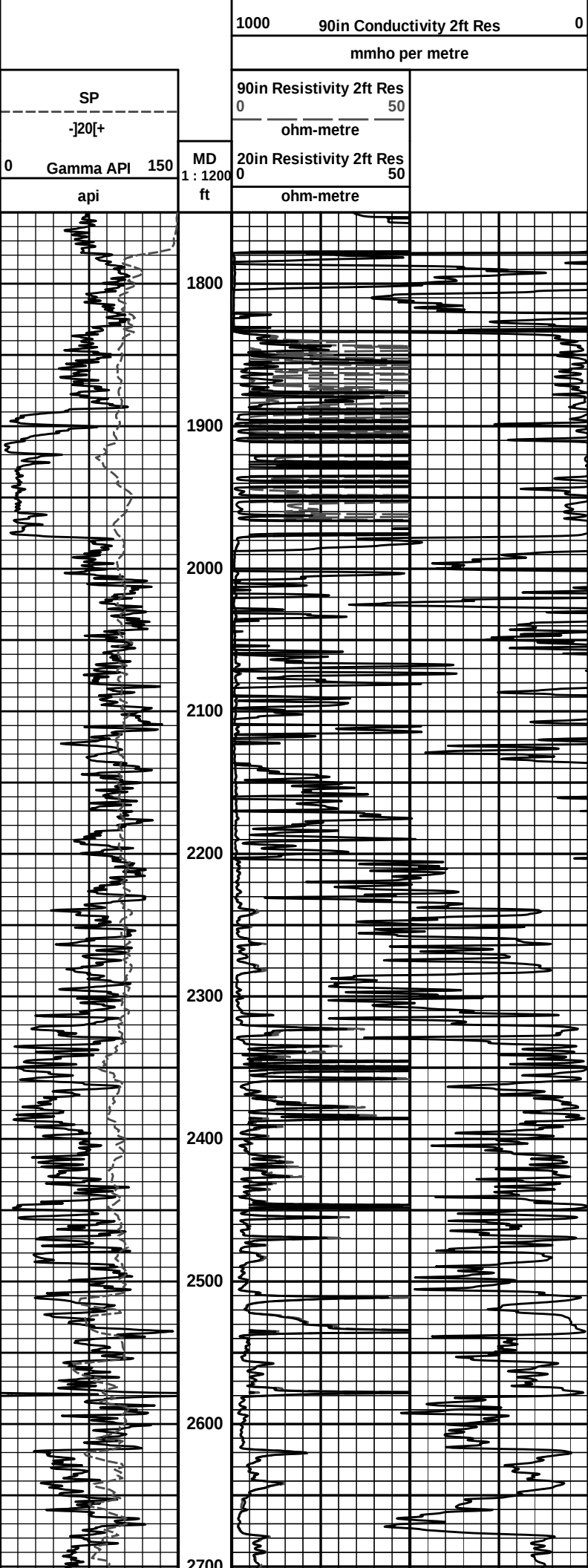
UDDV	Upper Temperature Derivative	2.97	NO	
TLDV	Lower Temperature Derivative	2.97	NO	
TRBD	Receiver Board Temperature	2.97	NO	
Microlog Pad				
TPUL	Tension Pull	44.28	NO	
MINV	Microlog Lateral	44.28	BLK	0.750
MNOR	Microlog Normal	44.28	BLK	0.750
SDLT Pad				
TPUL	Tension Pull	44.08	NO	
NAB	Near Above	43.90	BLK	0.920
NHI	Near Cesium High	43.90	BLK	0.920
NLO	Near Cesium Low	43.90	BLK	0.920
NVA	Near Valley	43.90	BLK	0.920
NBA	Near Barite	43.90	BLK	0.920
NDE	Near Density	43.90	BLK	0.920
NPK	Near Peak	43.90	BLK	0.920
NLI	Near Lithology	43.90	BLK	0.920
NBAU	Near Barite Unfiltered	43.90	BLK	0.250
NLIU	Near Lithology Unfiltered	43.90	BLK	0.250
FAB	Far Above	44.26	BLK	0.250
FHI	Far Cesium High	44.26	BLK	0.250
FLO	Far Cesium Low	44.26	BLK	0.250
FVA	Far Valley	44.26	BLK	0.250
FBA	Far Barite	44.26	BLK	0.250
FDE	Far Density	44.26	BLK	0.250
FPK	Far Peak	44.26	BLK	0.250
FLI	Far Lithology	44.26	BLK	0.250
PTMP	Pad Temperature	44.09	BLK	0.920
NHV	Near Detector High Voltage	43.49	NO	
FHV	Far Detector High Voltage	43.49	NO	
ITMP	Instrument Temperature	43.49	NO	
DDHV	Detector High Voltage	43.49	NO	
Data: LOOMIS_B2\0003 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-CH\IDLE			Date: 18-Aug-12 17:18:45	

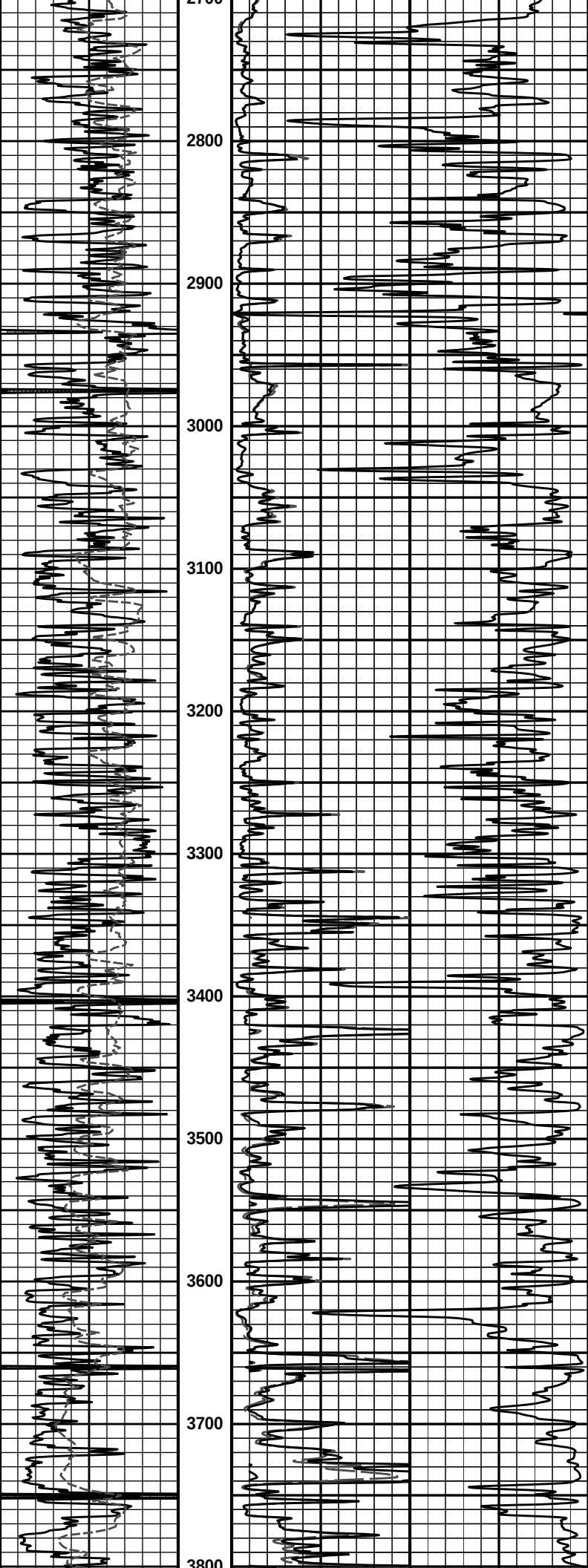
COMPANY	OXY USA INC		
WELL	LOOMIS B2		
FIELD	AMAZON DITCH		
COUNTY	FINNEY	STATE	KANSAS
HALLIBURTON		ARRAY COMPENSATED TRUE RESISTIVITY LOG	

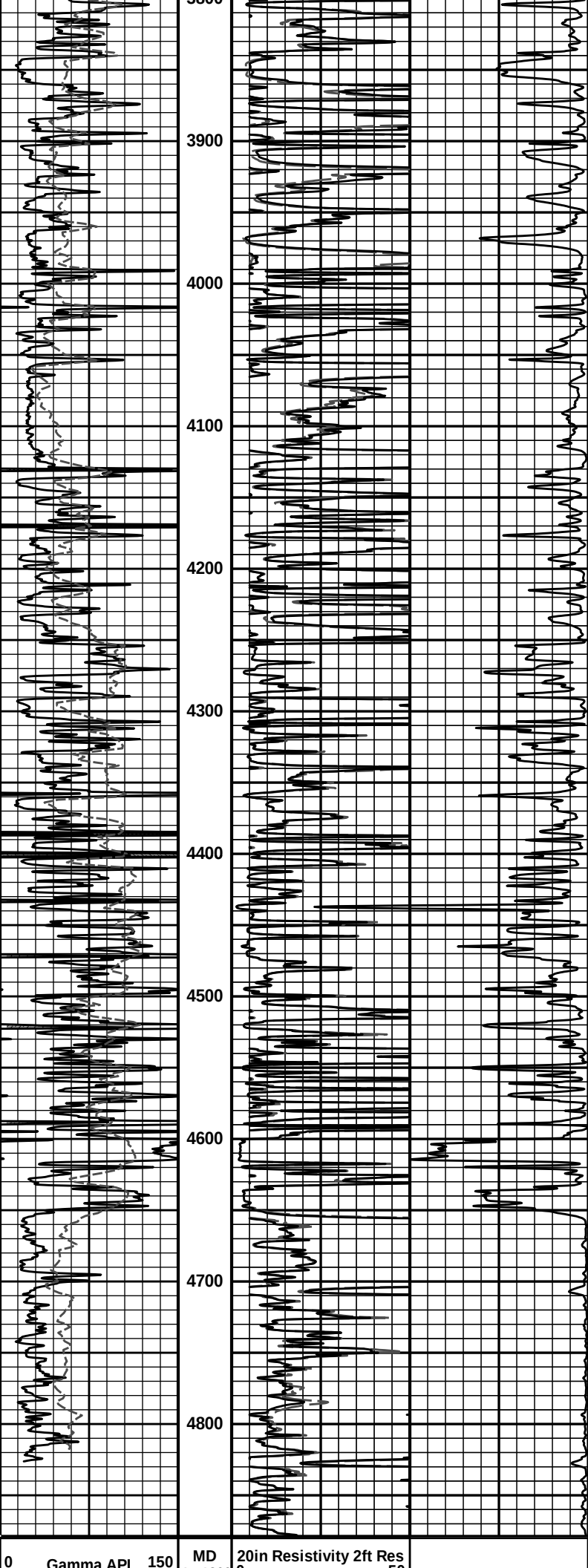
HALLIBURTON

Plot Time: 18-Aug-12 18:18:25
 Plot Range: 1750 ft to 4878.5 ft
 Data: LOOMIS_B2\Well Based\DAQ-0003-003\
 Plot File: \\LOCAL-1ACRT\ACRT_1.lib

1 INCH MAIN LOG







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

HALLIBURTON

Plot Time: 18-Aug-12 18:18:28
 Plot Range: 1750 ft to 4878.5 ft
 Data: LOOMIS_B2\Well Based\DAQ-0003-003\
 Plot File: \\-LOCAL-\\ACRT\\ACRT_1_lib

1 INCH MAIN LOG