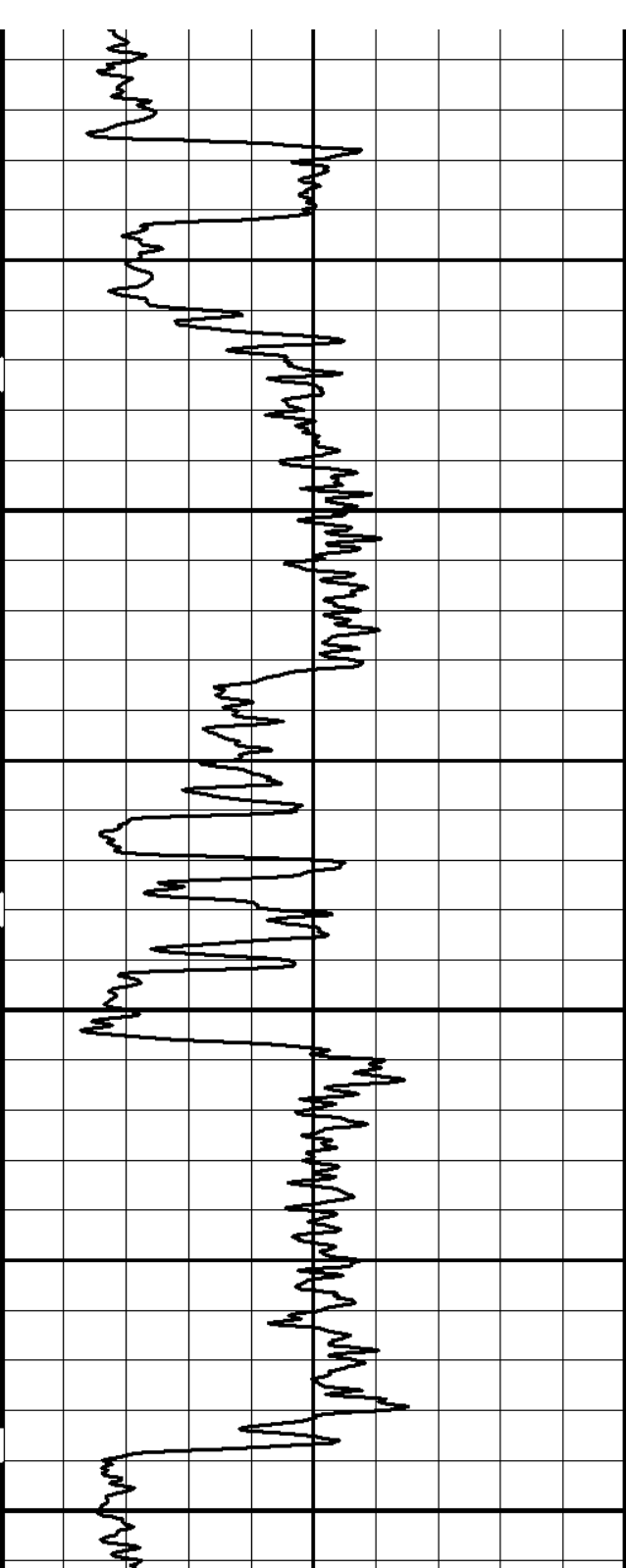


HALLIBURTON

SPECTRAL DENSITY
EPITHERMAL NEUTRON
ARRAY RESISTIVITY
LOG

STORM CAT ENERGY (USA) OPERATING CORP.										COMPANY STORM CAT ENERGY (USA) OPERATING CORP														
VAUGHAN 2-18										WELL VAUGHAN 2-18														
B-43										FIELD B-43														
VAN BUREN										COUNTY VAN BUREN														
ARKANSAS										STATE ARKANSAS														
COMPANY					WELL					FIELD					COUNTY					STATE				
Permanent Datum Log measured from Drilling measured from					GL KB KB					Sect. 18 Twp. 11N Rge. 16W					Elev. 1686.0 ft 10.0 ft above perm. Datum GL.					Other Services: ACRT SD/DSN				
Date					20-Mar-08 11:57																			
Run No.					ONE																			
Depth - Driller					1210.0 ft																			
Depth - Logger					1244.0 ft																			
Bottom - Logged Interval					1232																			
Top - Logged Interval					100																			
Casing - Driller					9.625 in @ 648.0 ft										@									
Casing - Logger					648.0 ft																			
Bit Size					8.750 in										@									
Type Fluid in Hole					AIR																			
Density			Viscosity		0.3 ppg		0.00 s/qt																	
PH			Fluid Loss		0.00 pH		0.0 cphm																	
Source of Sample					N/A																			
Rm @ Meas. Temperature					0.00 ohmm @										@									
Rmf @ Meas. Temperature					0.00 ohmm @										@									
Rmc @ Meas. Temperature					0.00 ohmm @										@									
Source Rmf			Rmc		N/A		N/A																	
Rm @ BHT					0.00 ohmm @										@									
Time Since Circulation					0.0 hr																			
Time on Bottom					20-Mar-08 12:37																			
Max. Rec. Temperature			Equipment		75.0 degF @ 1244.0 ft		@						@											
Recorded By			Location		10975786		FORT SMITH																	
TOM MAJORS					STEPHEN WEEKS										MATT HUMPHREYS									

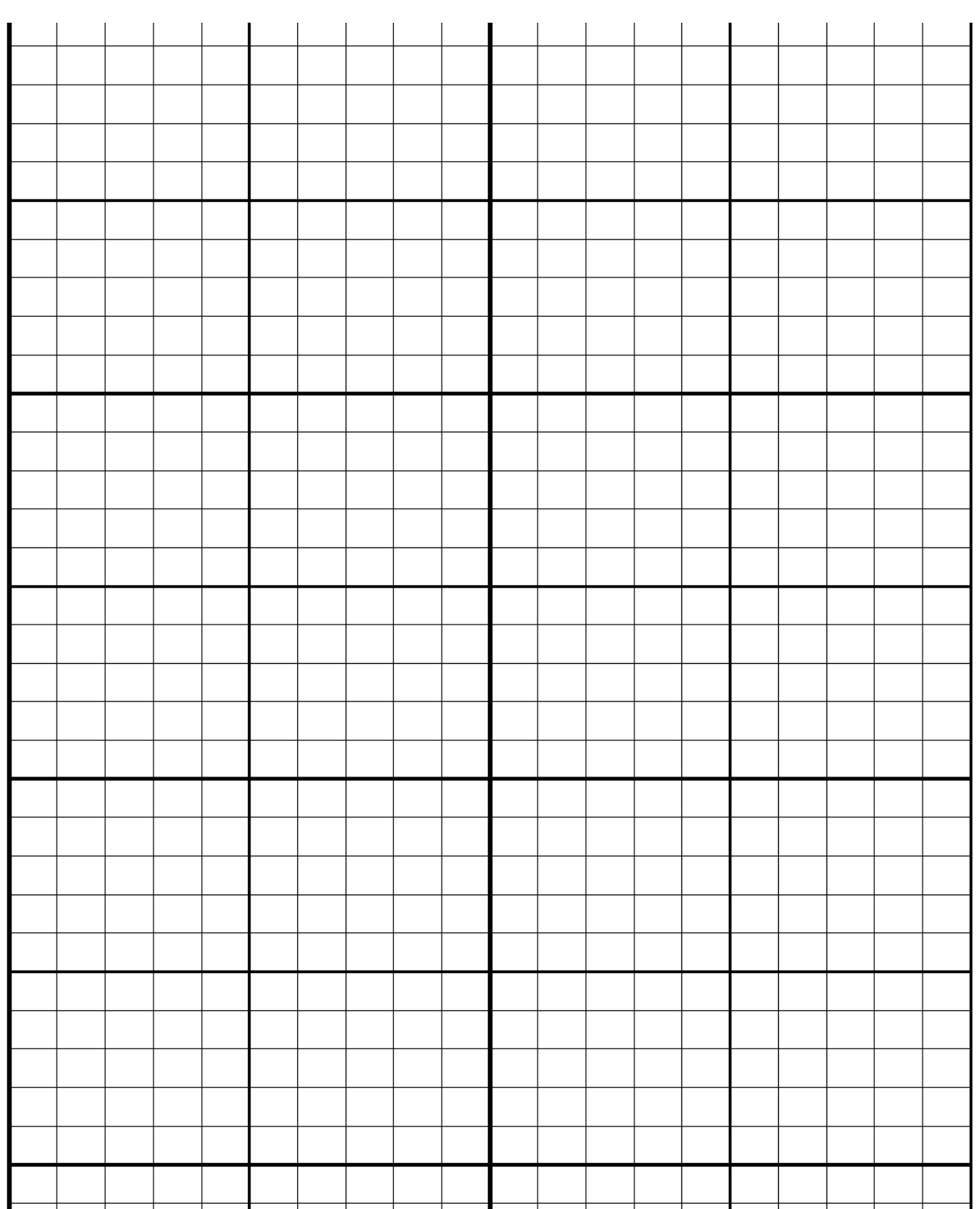
[illegible]

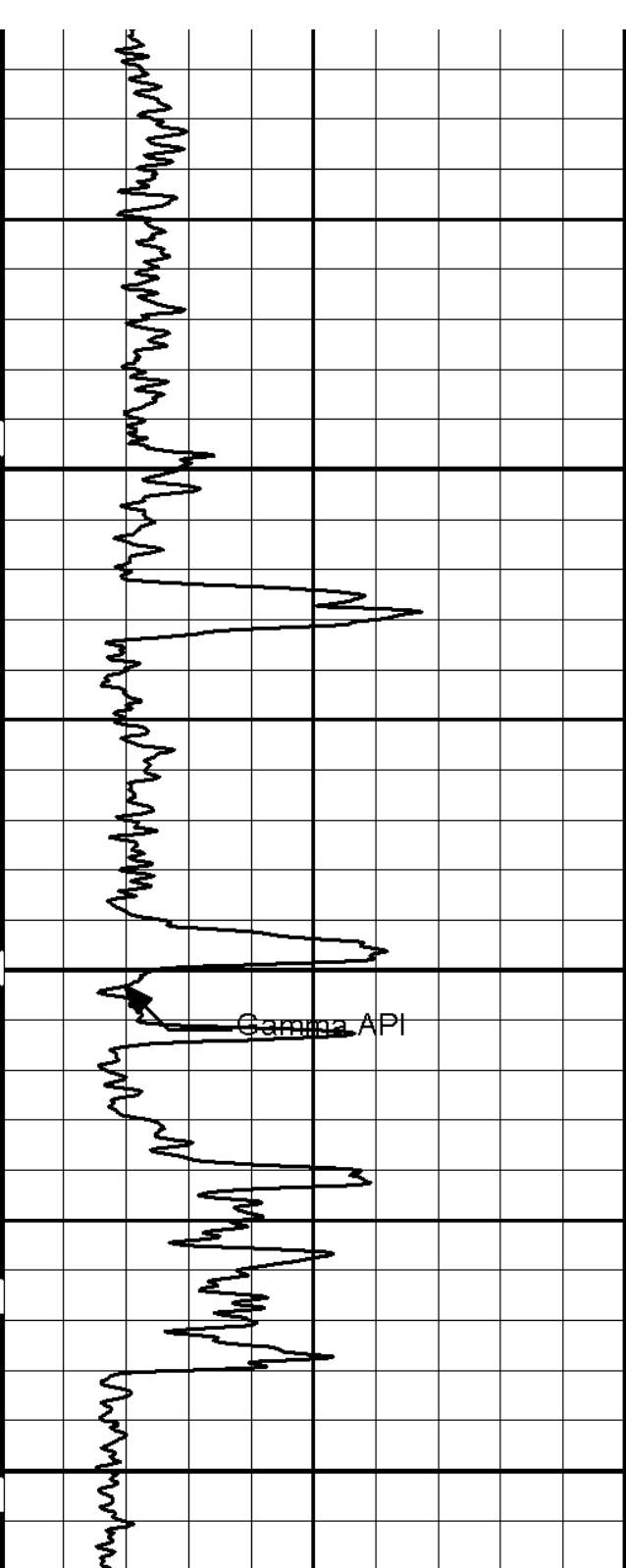


200

300

400



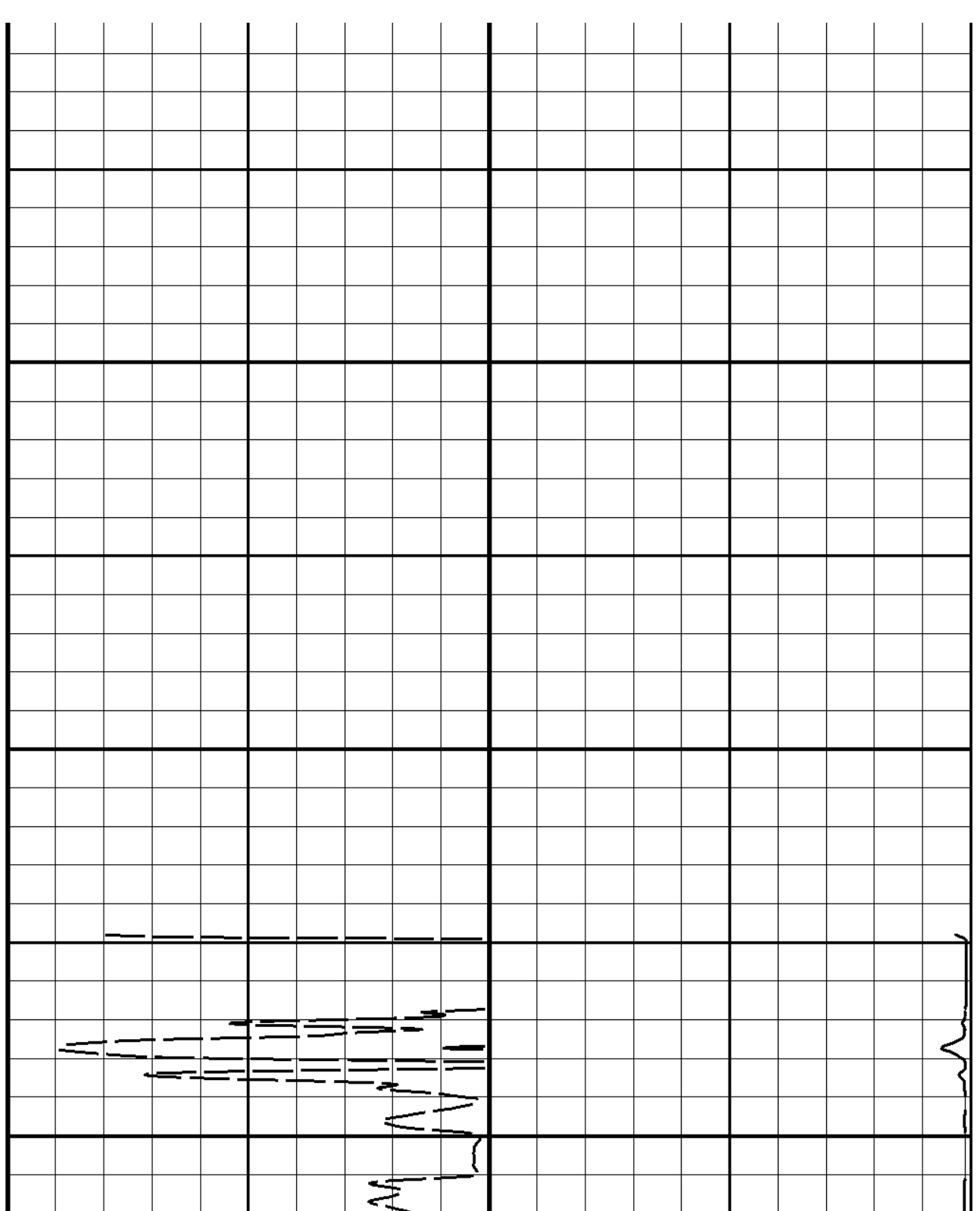


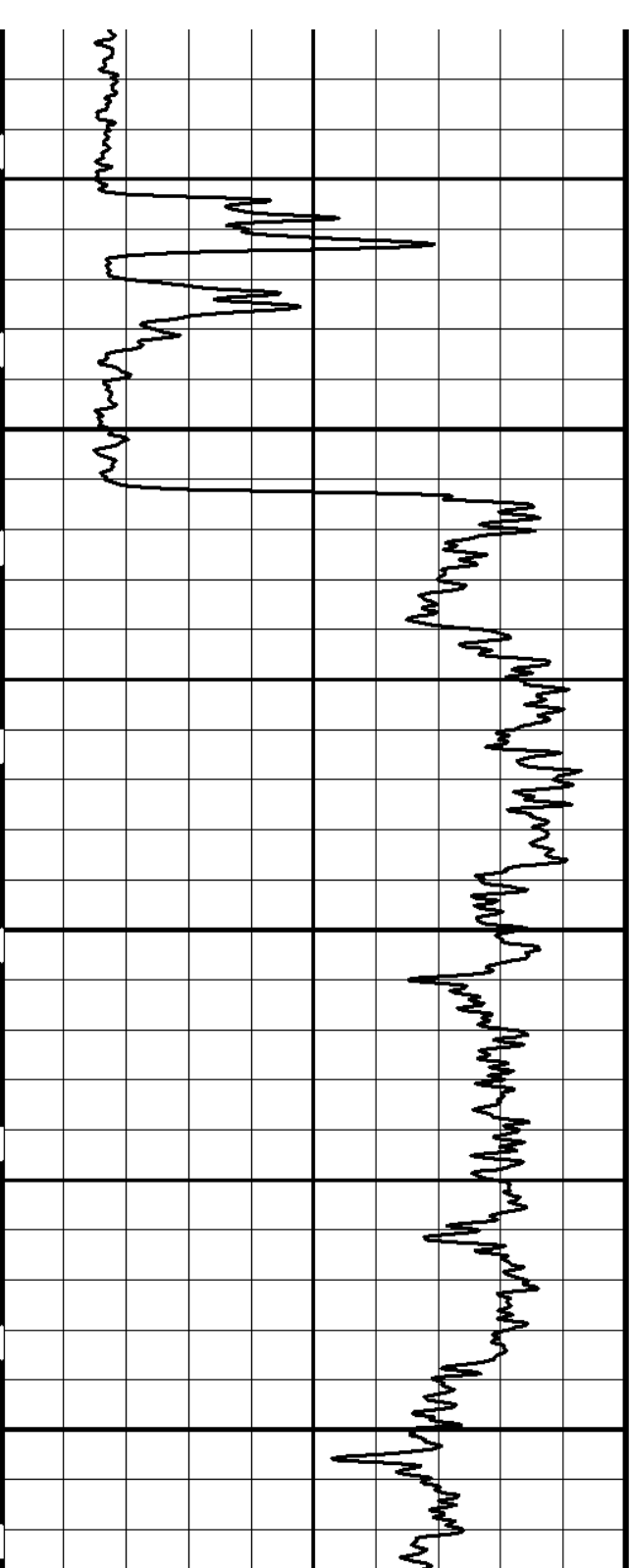
500

600

Gamma API

700

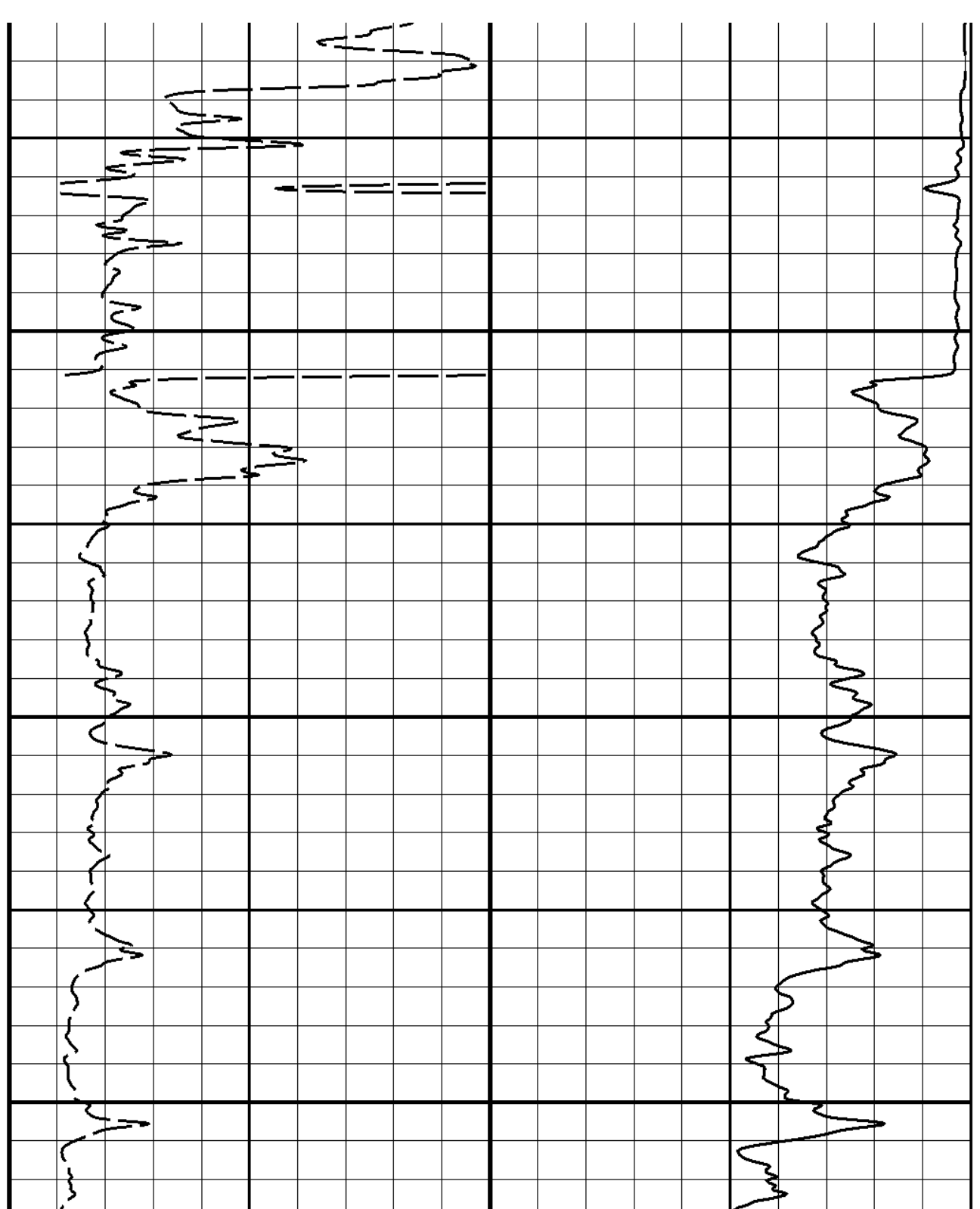


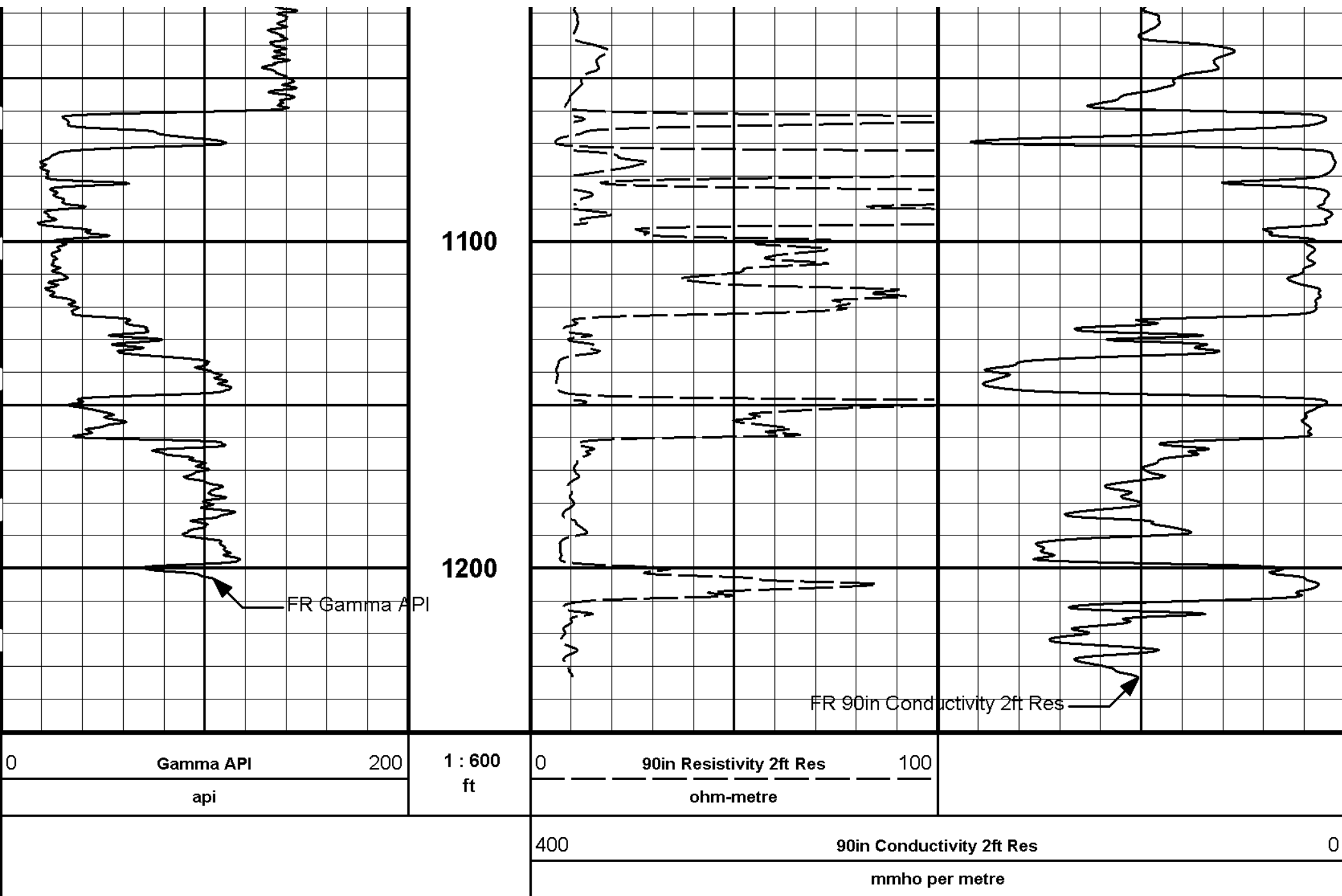


800

900

1000





HALLIBURTON

Plot Time: 20-Mar-08 13:07:13
Plot Range: 100 ft to 1250 ft
Data: STORM_CAT_VAUGH\Well Based\DAQ-0001-003\
Plot File: \\-LOCAL-STORM_CAT_VAUGH\0001 DSEN-TRIPLE\COMBO\ACRT_2_AIR

2 INCH MAIN LOG

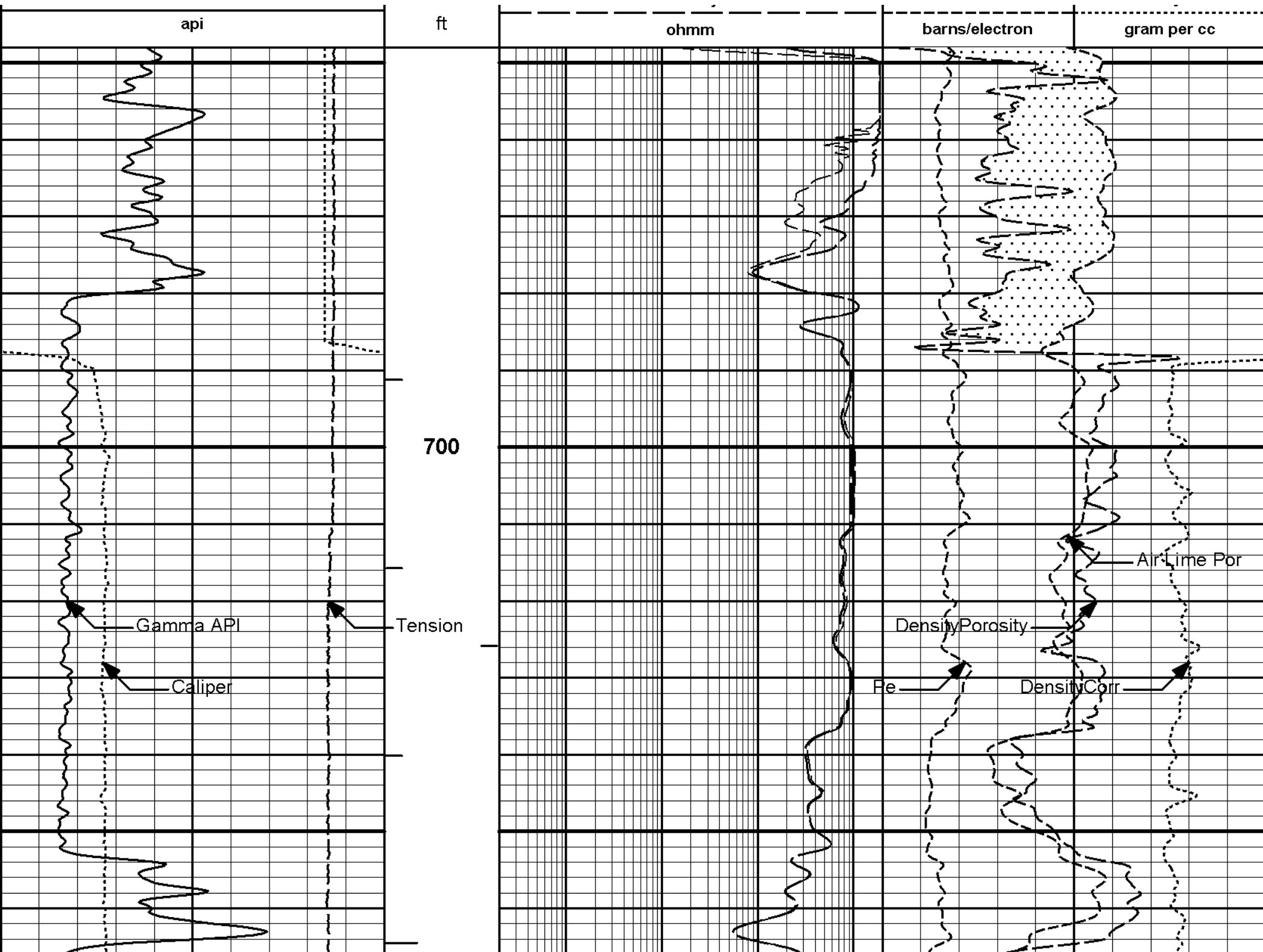
HALLIBURTON

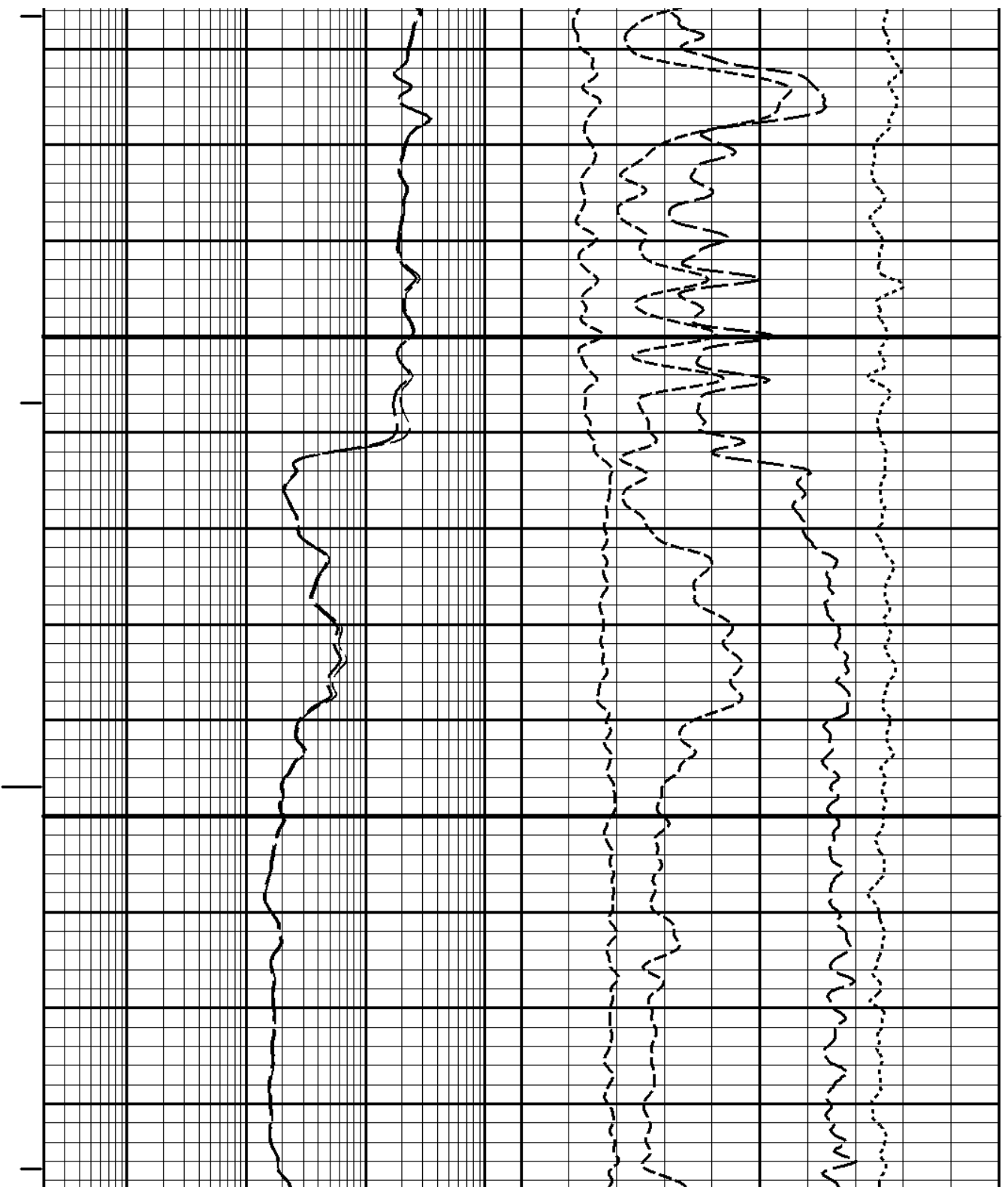
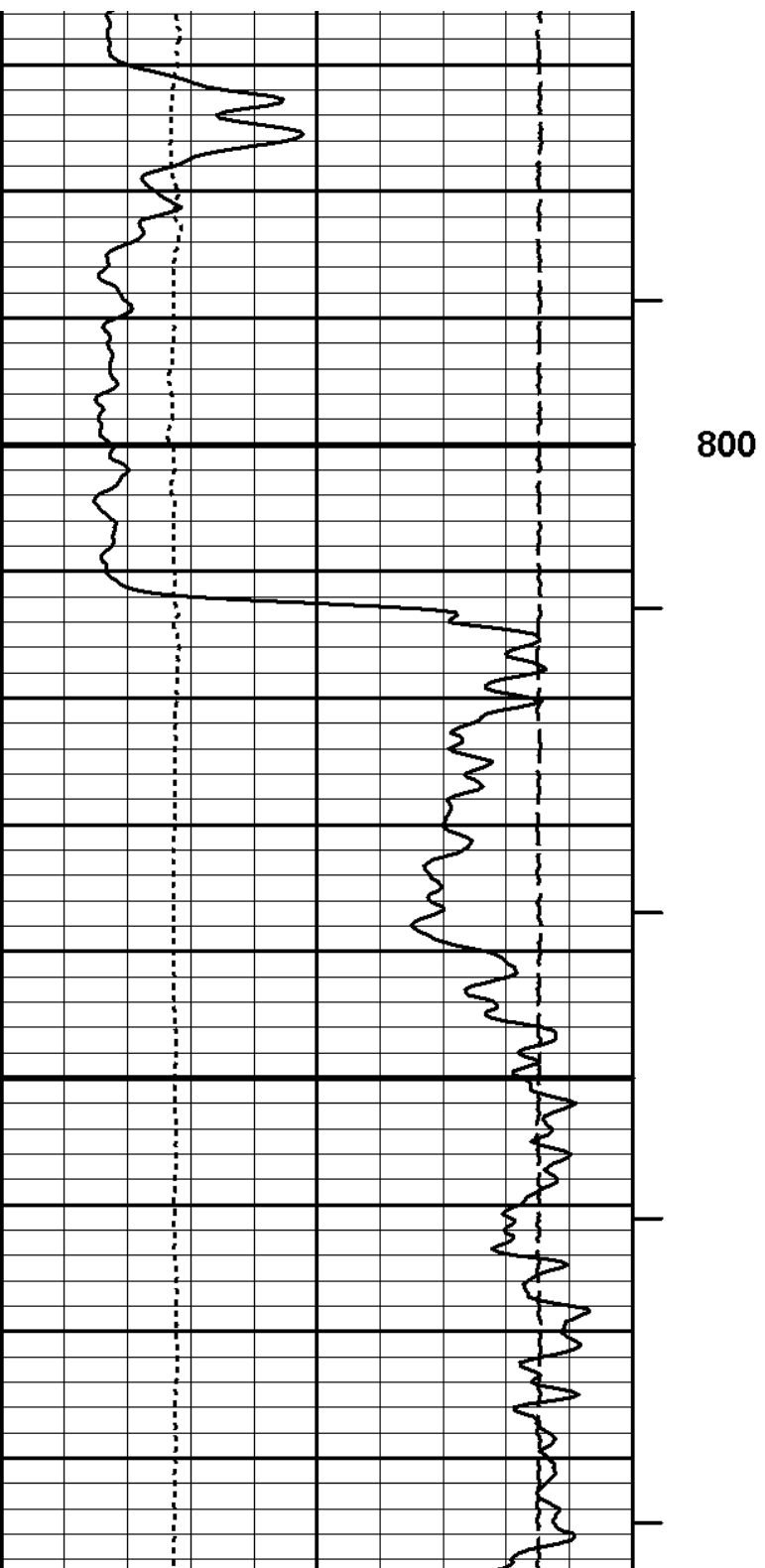
Plot Time: 20-Mar-08 13:07:14
Plot Range: 648 ft to 1246 ft
Data: STORM_CAT_VAUGH\Well Based\DAQ-0001-003\
Plot File: \\COMBO\TRIPLE_AIR_IQ_SDL-DSEN-TEMP

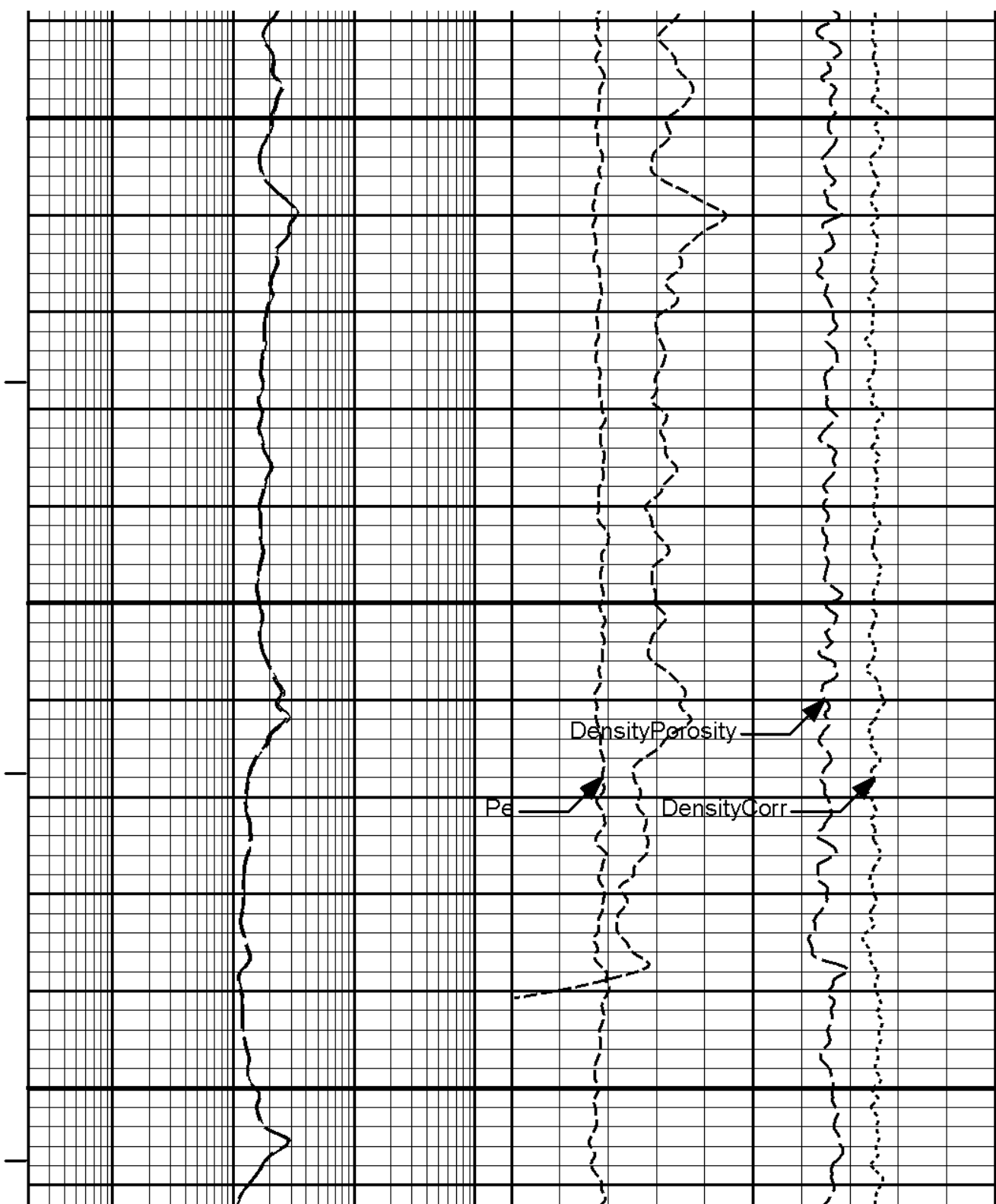
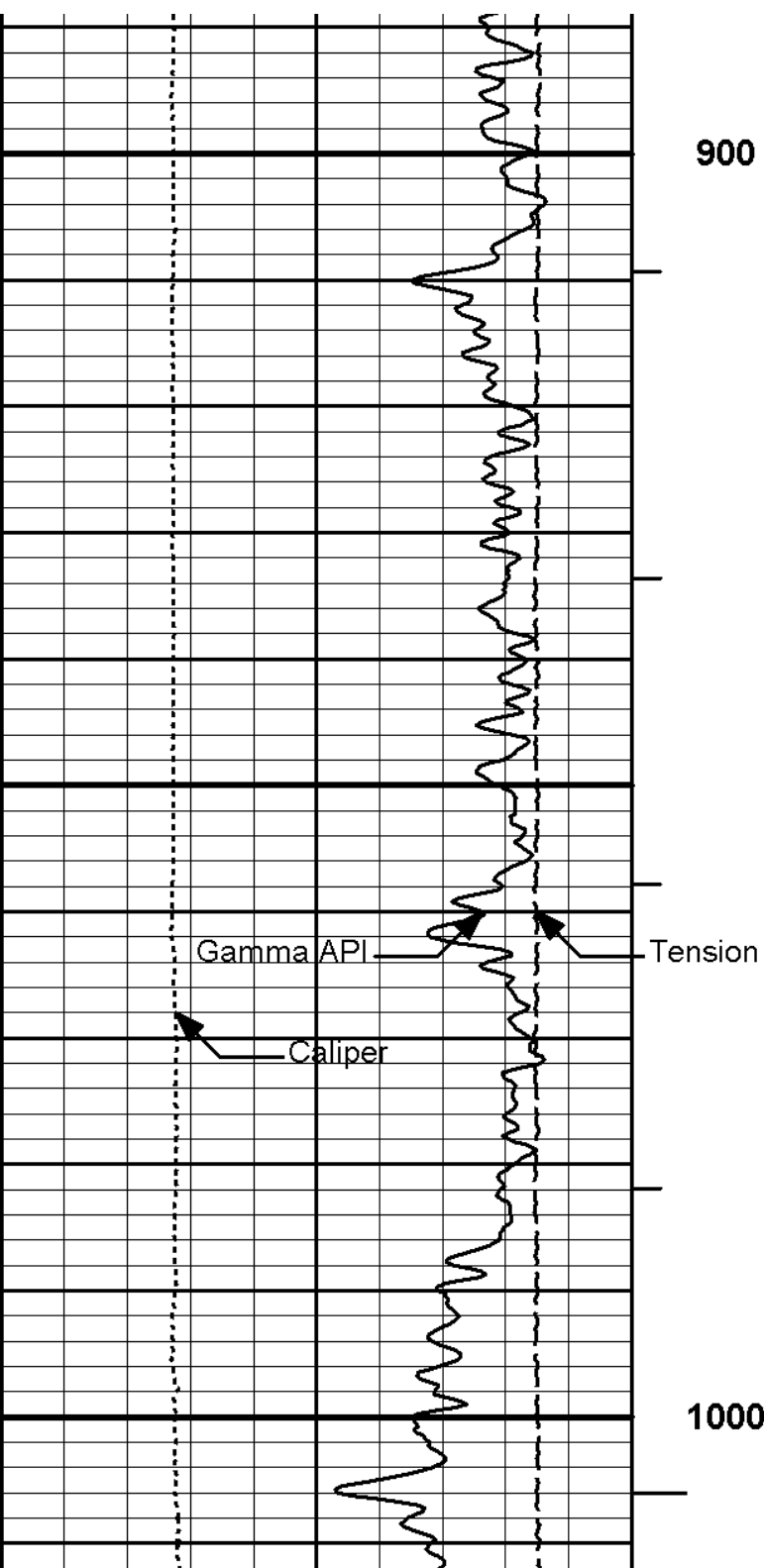
5 INCH MAIN LOG

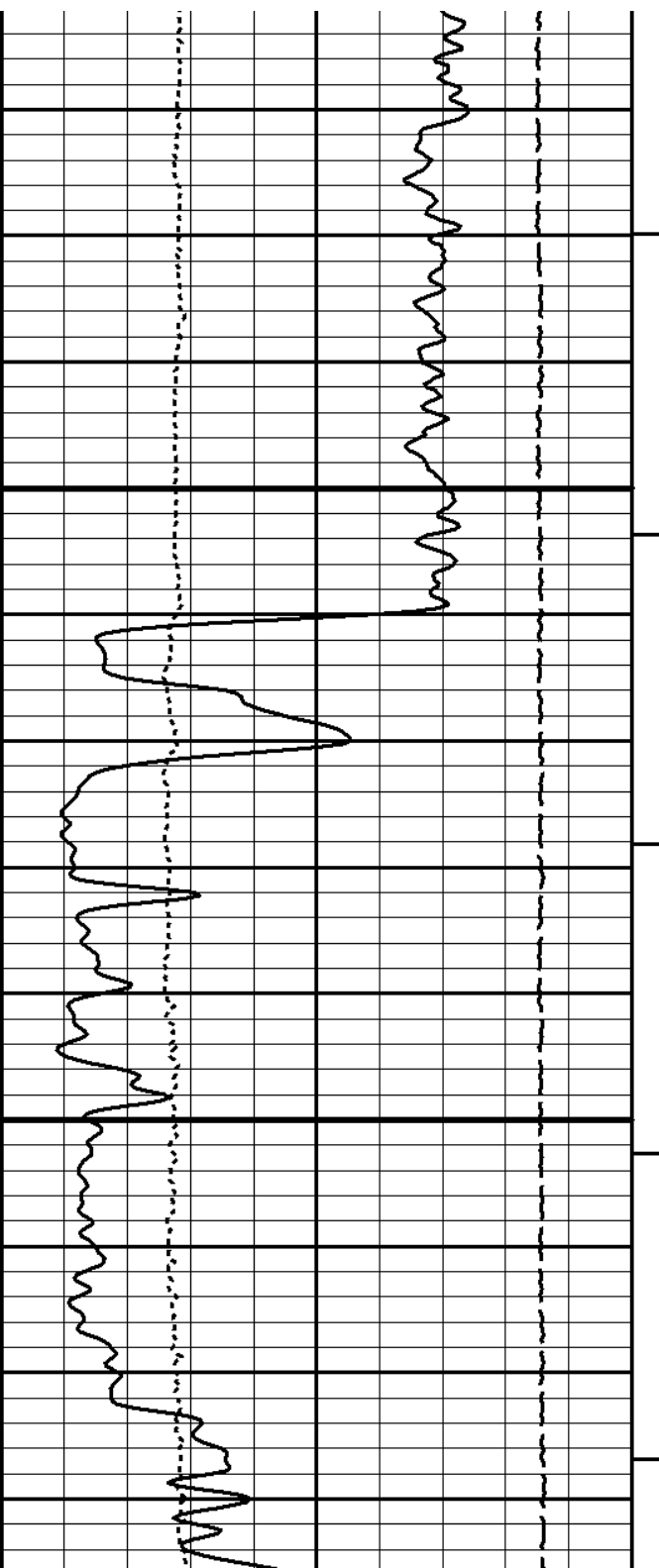
5 INCH MAIN LOG

								AIR POROSITY			
								0.3 Air Lime Por -0.1			
								decip			
								0.3 DensityPorosity -0.1			
								decip			
10K	Tension	0	AHVT								
pounds											
6	Caliper	16	BHVT	0.2	60in Resistivity 2ft Res	2000	2	Density		3	
inches								gram per cc			
0	Gamma API	200	1 : 240	0.2	90in Resistivity 2ft Res	2000	0	Pe	10	-0.25 DensityCorr	0.25

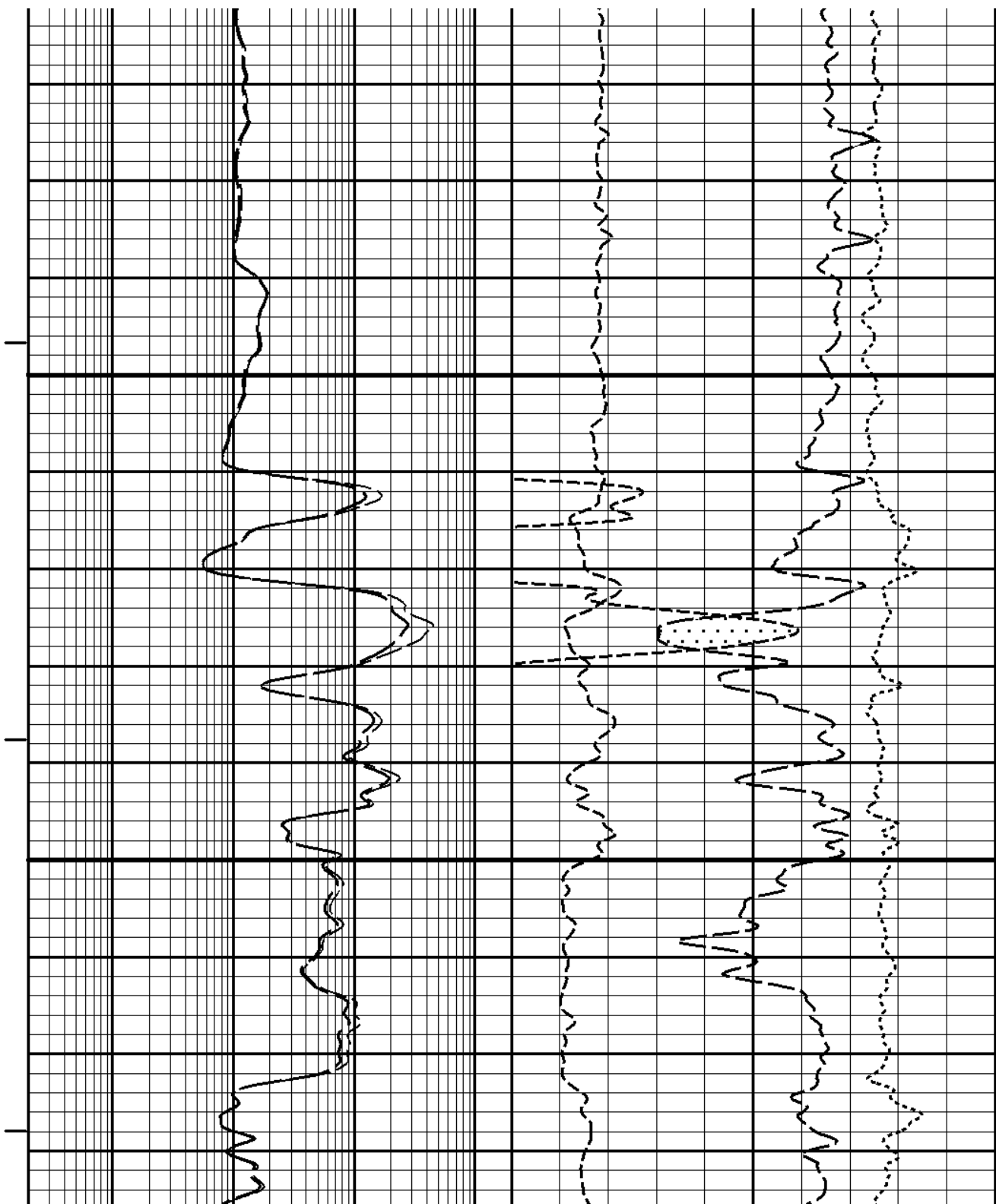


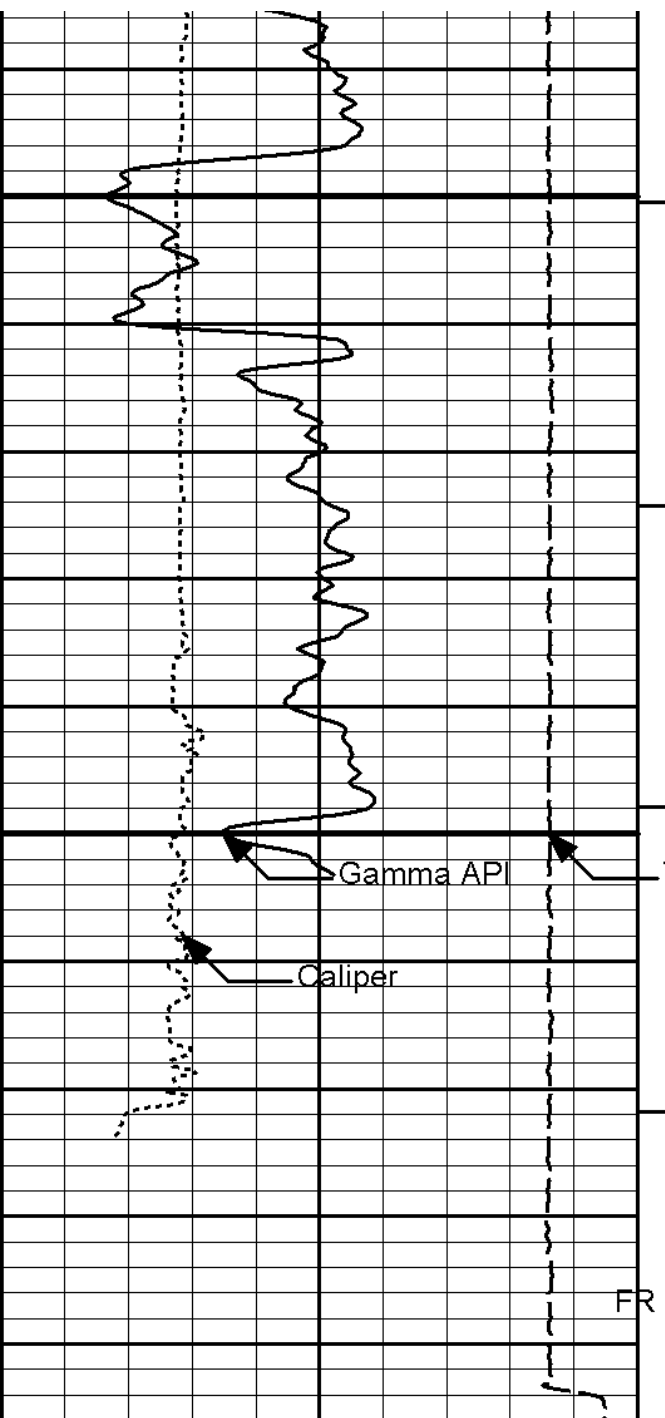






1100





1200
Tension

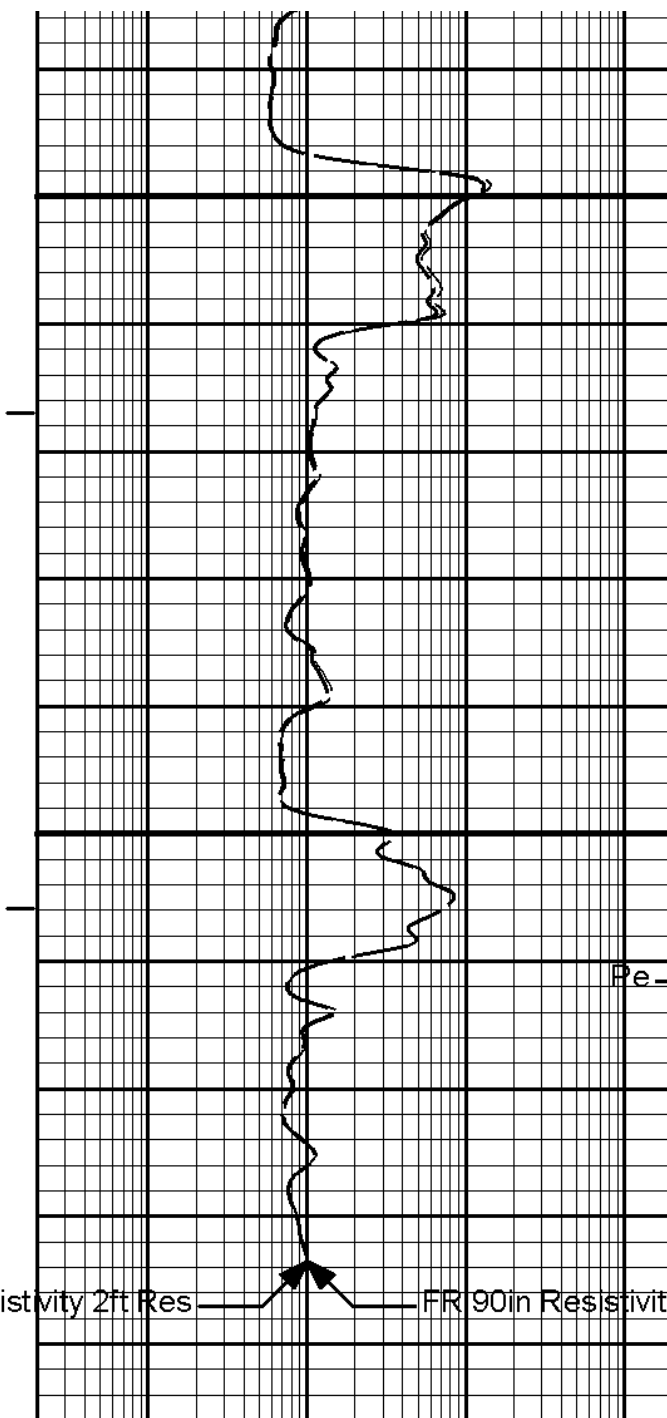
Gamma API

Caliper

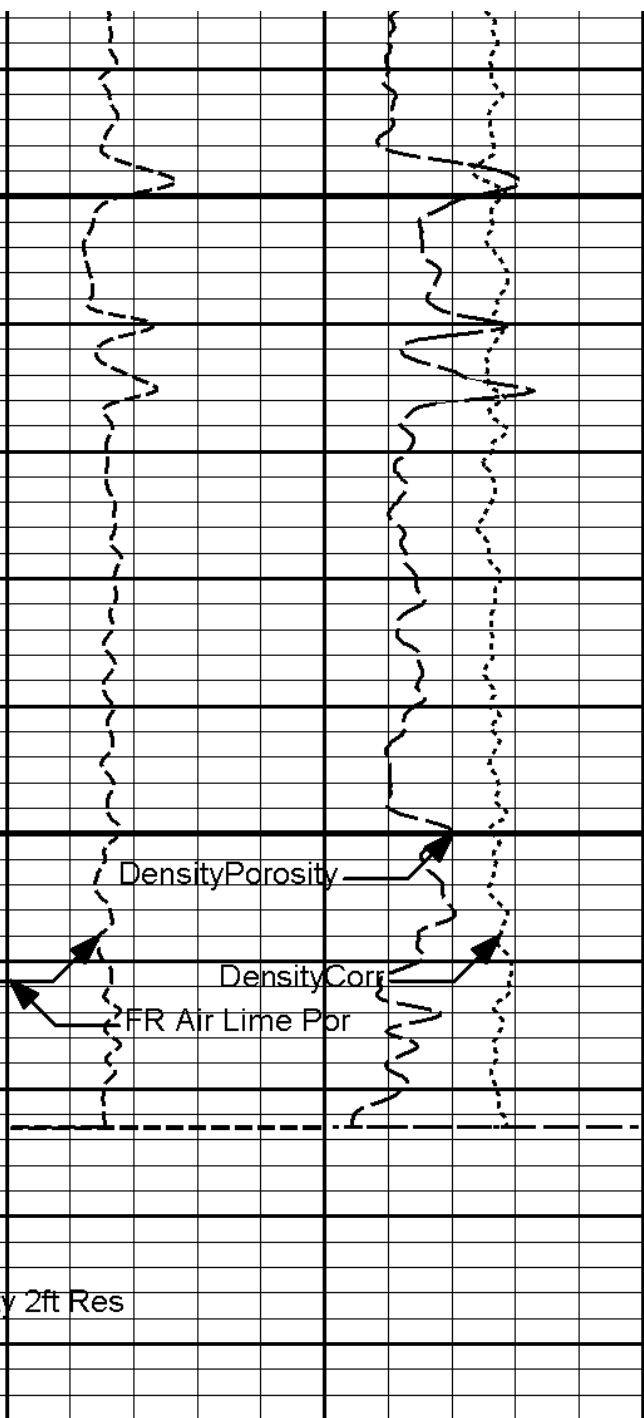
FR 60in Resistivity 2ft Res

0	Gamma API	200
api		

1 : 240
ft



0.2	90in Resistivity 2ft Res	2000
ohmm		



Pe

DensityPorosity

DensityCorr

FR Air Lime Por

0	Pe	10	-0.25 DensityCorr	0.25
barns/electron		gram per cc		

6	Caliper	16	BHVT	0.2	60in Resistivity 2ft Res	2000	2	Density	3			
	inches			ohmm			gram per cc					
10K	Tension	0	AHVT				0.3	DensityPorosity	-0.1			
	pounds						decp					
							0.3	Air Lime Por	-0.1			
							decp					
							AIR POROSITY					

HALLIBURTON

Plot Time: 20-Mar-08 13:07:19
Plot Range: 648 ft to 1246 ft
Data: STORM_CAT_VAUGH\Well Based\DAQ-0001-003\
Plot File: \\COMBO\TRIPLE_AIR_IQ_SDL-DSEN-TEMP

5 INCH MAIN LOG

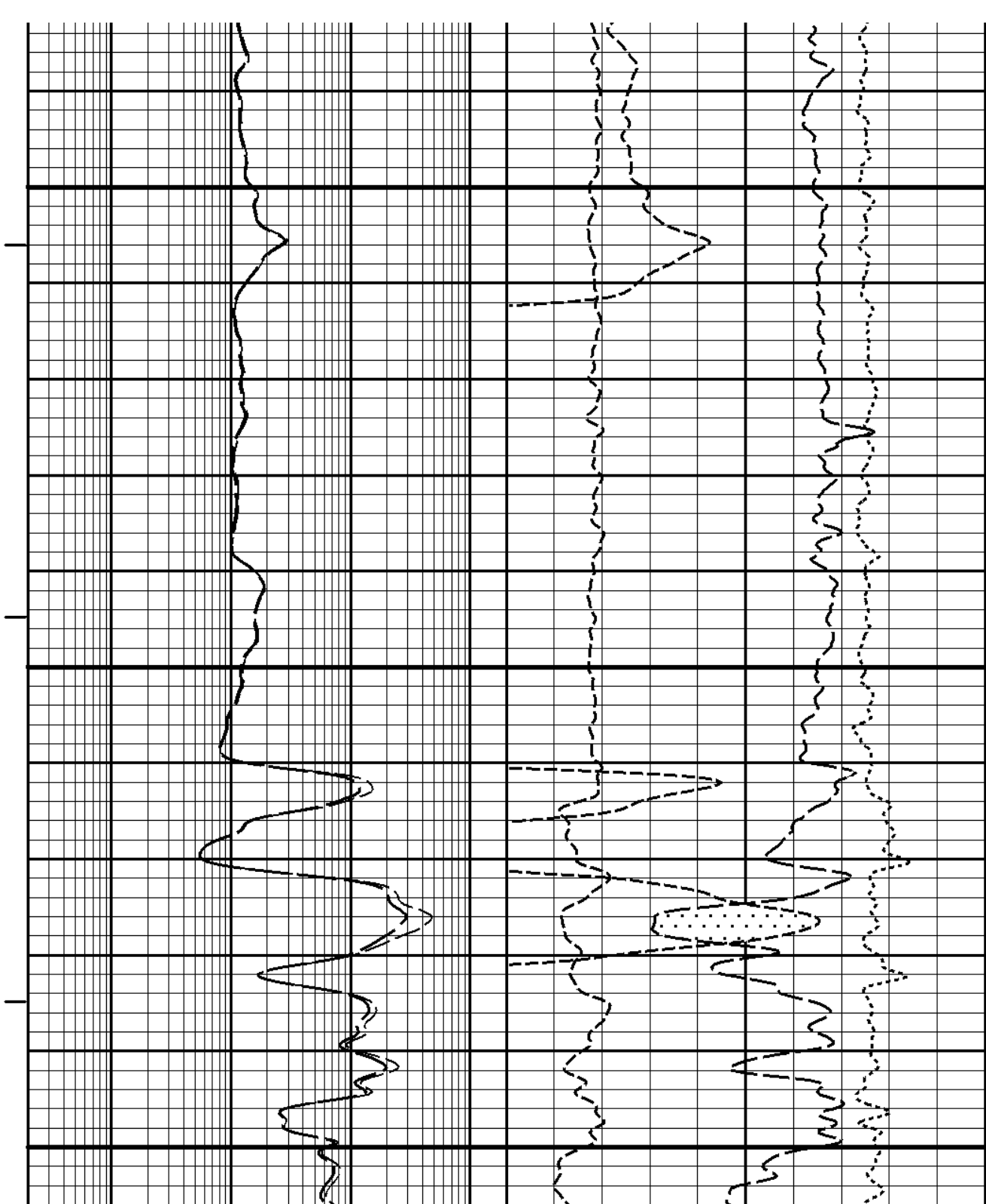
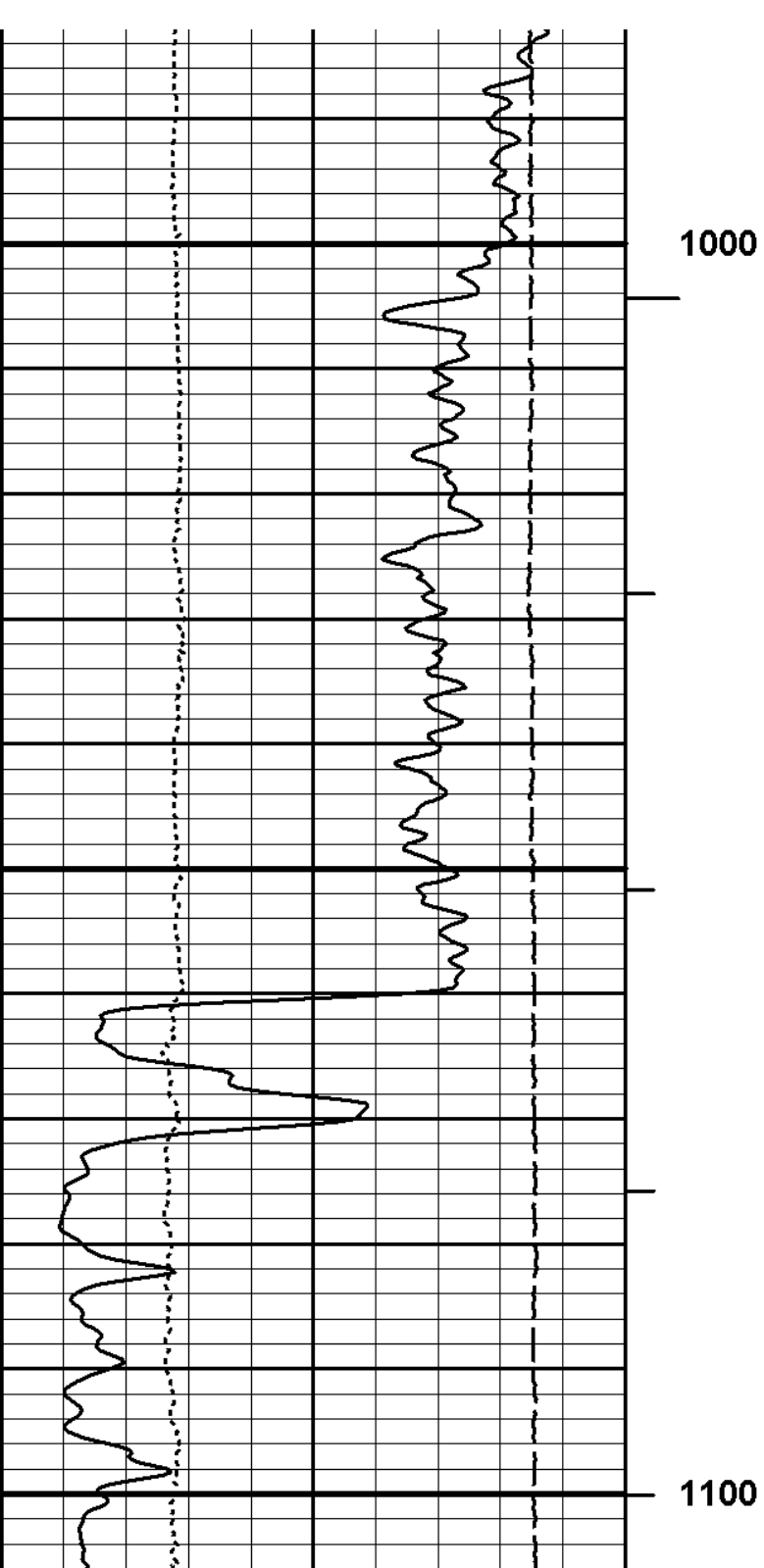
5 INCH MAIN LOG

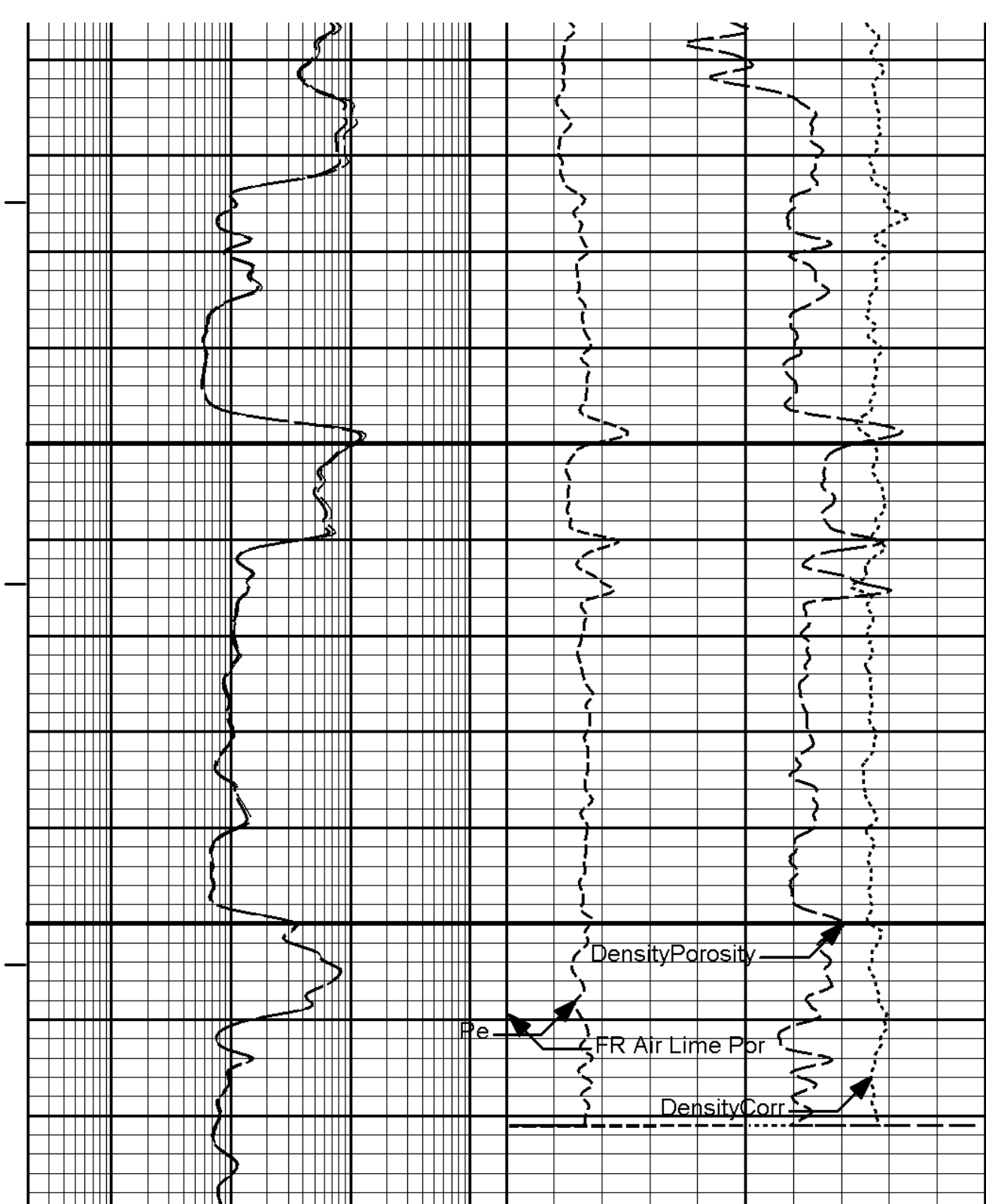
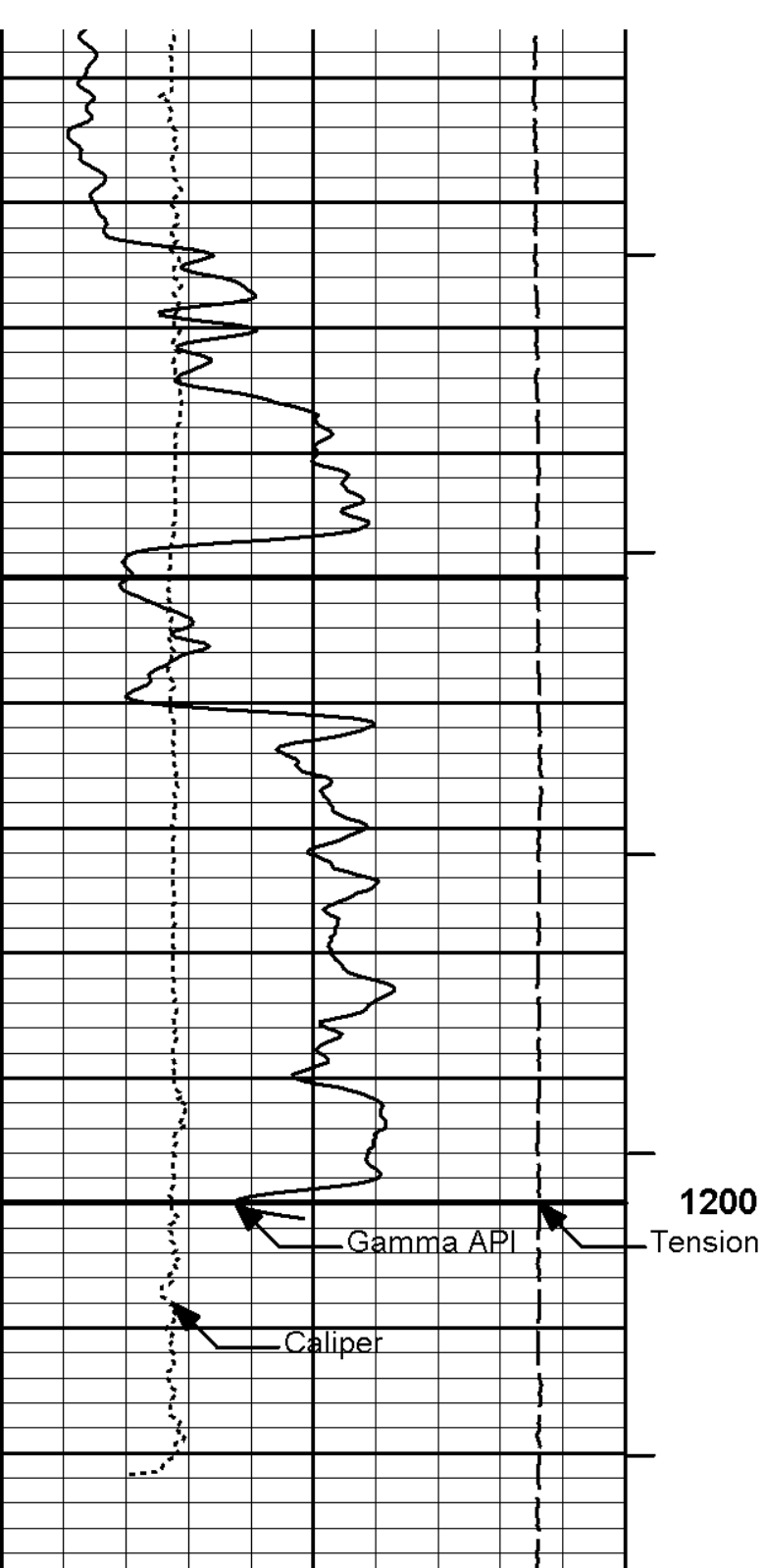
HALLIBURTON

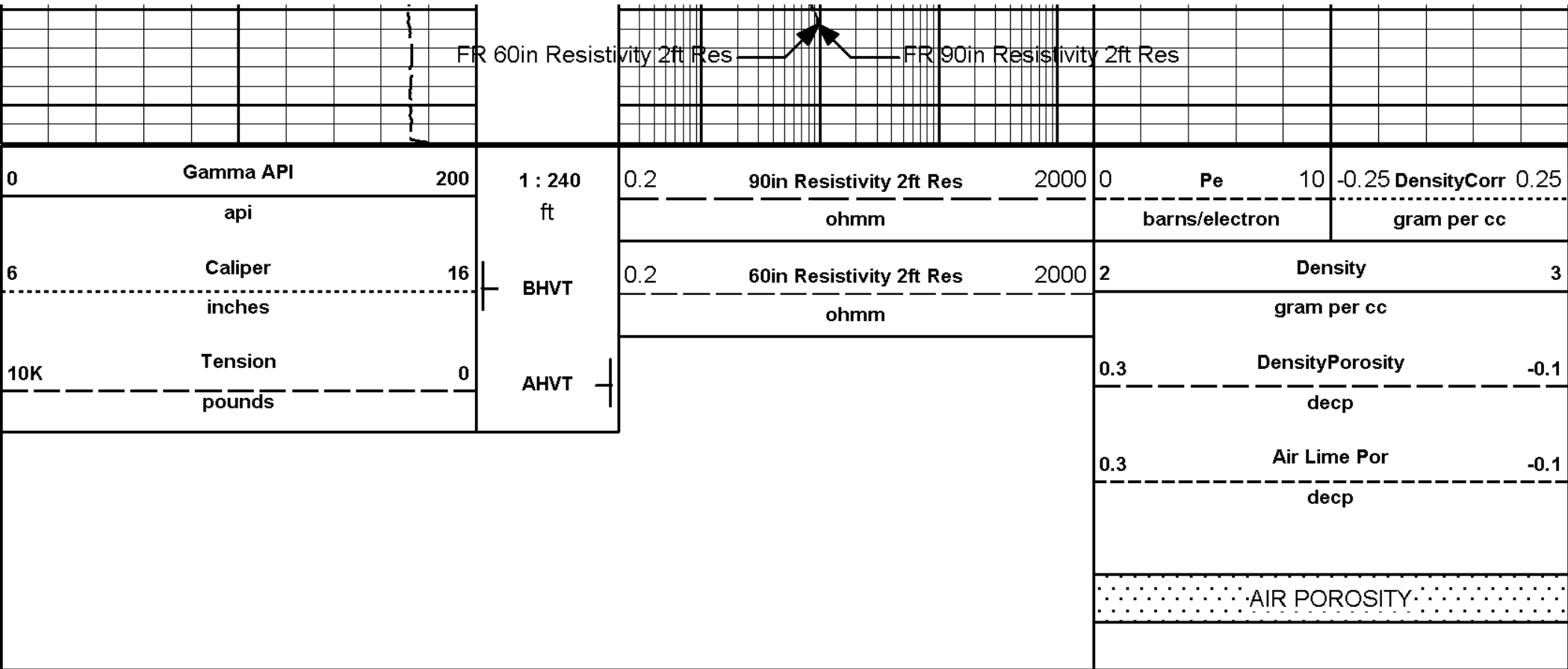
Plot Time: 20-Mar-08 13:07:19
Plot Range: 950 ft to 1244 ft
Data: STORM_CAT_VAUGH\Well Based\DAQ-0001-002\
Plot File: \\COMBO\TRIPLE_AIR_IQ_SDL-DSEN-TEMP

5 INCH MAIN LOG

REPEAT SECTION







HALLIBURTON

Plot Time: 20-Mar-08 13:07:27
Plot Range: 950 ft to 1244 ft
Data: STORM_CAT_VAUGH\Well Based\DAQ-0001-002\
Plot File: \\COMBO\TRIPLE_AIR_IQ_SDL-DSEN-TEMP

5 INCH MAIN LOG

REPEAT SECTION

HALLIBURTON

PARAMETERS REPORT

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP					
	SHARED	BS	Bit Size	8.750	in
	SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No	
	SHARED	MDWT	Borehole Fluid Weight	0.300	ppg
	SHARED	RMUD	Mud Resistivity	2.000	ohmm
	SHARED	TRM	Temperature of Mud	75.0	degF
	SHARED	OBM	Oil Based Mud System?	No	
	SHARED	CSD	Logging Interval is Cased?	No	
	SHARED	ICOD	AHV Casing OD	5.500	in
	SHARED	ST	Surface Temperature	75.0	degF
	SHARED	TD	Total Well Depth	10000.00	ft
	SHARED	BHT	Bottom Hole Temperature	200.0	degF
	GTET	GROK	Process Gamma Ray?	Yes	
	GTET	GRSO	Gamma Tool Standoff	0.000	in
	GTET	GEOK	Process Gamma Ray EVR?	No	
	DSEN-I	DSEE	Process DSEN?	Yes	
	DSEN-I	DEOK	Process DSEN EVR?	No	
	DSEN-I	NLIT	Neutron Lithology	Limestone	
	SDLT	DNOK	Process Density?	Yes	
	SDLT	DNOK	Process Density EVR?	No	
	SDLT	AD	Is Hole Air Drilled?	Yes	
	SDLT	CB	Use Calibration Blocks?	No	
	SDLT	SPVT	SDLT Pad Temperature Valid?	Yes	
	SDLT	DTWNI	Disable temperature warning	No	

SDLT	DTWV	Disable Temperature Warning	No	
SDLT	MDTP	Weighted Mud Correction Type?	None	
SDLT	DMA	Formation Density Matrix	2.710	g/cc
SDLT	DFL	Formation Density Fluid	0.300	g/cc
SDLT	CLOK	Process Caliper Outputs?	Yes	
SDLT	MLOK	Process MicroLog Outputs?	No	
ACRt	RTOK	Process ACRt?	Yes	
ACRt	CIND	Casing Indicator Enabled?	Yes	
ACRt	RECE	Relative Caliper Error	0	%
ACRt	MNSO	Minimum Tool Standoff	1.50	in
ACRt	RMC	Use RM Calculated for BHC?	No	
ACRt	LTNM	Acrt Lateral Normalization	None	
ACRt	UTC	Use Temperature Correction	Yes	
ACRt	TCS1	Temperature Correction Source	FP Lwr & FP Up	
ACRt	TPOS	Tool Position	Standoff	
ACRt	BHCM	Borehole Compensation Type	Conventional	
ACRt	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt	RMIN	Maximum Resistivity for MAP	200.00	ohmm

BOTTOM

Data: STORM_CAT_VAUGH\0001 DSEN-TRIPLEIDLE

Date: 20-Mar-08 11:56:04

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name: GTET - 10971172

Reference Calibration Date: 04-Jan-08 10:23:34

Engineer: Sanders

Calibration Date: 02-Feb-08 02:06:27

Software Version: WL INSITE R2.0 (Build 22)

Calibration Version: 1

Calibrator Source S/N: 79

Calibrator API Reference:215.00 api

Measurement	Measured	Calibrated	Units
Background	32.7	35.3	api
Background + Calibrator	231.8	250.3	api
Calibrator	217.6	215.0	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:	GTET - 10971172	Reference Calibration Date:	02-Feb-08 02:06:27
Engineer:	Sanders	Calibration Date:	02-Feb-08 02:11:41
Software Version:	WL INSITE R2.0 (Build 22)	Calibration Version:	1

Calibrator Source S/N: 79
Calibrator API Reference:215.00 api

Field Verification	Shop	Field	Units
Background	35.3	35.4	api
Background + Calibrator	250.3	249.0	api
Calibrator	215.0	213.7	api

Shop	Field	Difference	Tolerance
215.0	213.7	1.3	+/- 9.0

DUAL SPACED EPITHERMAL NEUTRON SHOP CALIBRATION

Tool Name:	DSEN-I - 10871183	Reference Calibration Date:	03-Jan-08 10:14:35
Engineer:	SCHICKEDANZ	Calibration Date:	03-Jan-08 10:25:49
Software Version:	WL INSITE R2.0 (Build 18)	Calibration Version:	1

Logging Source S/N: 373
Water Bath Near Value: 2422.00
Water Bath Far Value: 199.00
Snow Block S/N: EL PASO TRUCK SNOW BLOCK

PRIMARY CALIBRATOR

	Short Space		Long Space		
Measurement	Measured	Calibrated	Measured	Calibrated	Units
Count Rate	2405.87	2422.00	186.55	199.00	CPS
Detector Gain	1.3455	1.3545	1.7148	1.8292	

FIELD BLOCK CHECK

	Short Space		Long Space		
Measurement	Measured	Calibrated	Measured	Calibrated	Units
Count Rate	4323.78	4352.77	5048.31	5385.23	CPS
Porosity	0.47	0.47	0.09	0.09	decP

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name:	SDLT - 183_477_870_DSEN	Reference Calibration Date:	22-Jan-08 15:15:01
Engineer:	SCHICKEDANZ	Calibration Date:	22-Jan-08 15:37:39
Software Version:	WL INSITE R2.0 (Build 22)	Calibration Version:	1

Logging Source S/N: 20784B

Aluminum Block S/N: FTS

Density: 2.582g/cc

Magnesium Block S/N: FTS

Density: 1.687g/cc

DENSITY CALIBRATION SUMMARY

Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	0.9886	1.0145	0.90 - 1.10
Near Dens Gain	0.9919	1.0170	0.90 - 1.10
Near Peak Gain	0.9752	1.0336	0.90 - 1.10
Near Lith Gain	0.9680	1.0583	0.90 - 1.10
Far Bar Gain	1.0067	1.0086	0.90 - 1.10
Far Dens Gain	1.0000	1.0034	0.90 - 1.10
Far Peak Gain	0.9974	1.0030	0.90 - 1.10

Far Lith Gain	0.9964	1.0029	0.90 - 1.10
Near Bar Offset	0.2140	-0.0288	NONE
Near Dens Offset	0.1643	-0.0645	NONE
Near Peak Offset	0.2899	-0.2092	NONE
Near Lith Offset	0.3532	-0.4156	NONE
Far Bar Offset	-0.0178	-0.0361	NONE
Far Dens Offset	0.0515	0.0189	NONE
Far Peak Offset	0.0783	0.0276	NONE
Far Lith Offset	0.1027	0.0471	NONE
Near Bar Background	983.73	987.82	700 - 1450
Near Dens Background	322.85	323.57	230 - 480
Near Peak Background	140.26	140.20	100 - 210
Near Lith Background	174.08	173.95	125 - 260
Far Bar Background	591.17	592.80	450 - 900
Far Dens Background	231.17	232.96	175 - 345
Far Peak Background	90.91	90.83	70 - 140
Far Lith Background	94.90	95.29	75 - 145

CALIBRATION BLOCK SUMMARY

Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.688	1.687	-0.001	+/- 0.015
Pe	2.583	2.594	0.011	+/- 0.150
ALUMINUM				
Density (g/cc)	2.584	2.582	-0.002	+/- 0.01500
Pe	3.048	3.170	0.122	+/- 0.150

TOOL SUMMARY

Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	0.0011	+/- 0.0110	0.0011	+/- 0.0140
Magnesium Block	-0.0010	+/- 0.0110	0.0002	+/- 0.0140
Aluminum Block	0.0001	+/- 0.0110	0.0011	+/- 0.0140
Resolution	9.32	6.00 - 11.50	8.57	6.00 - 11.50
Internal Verifier(B+D+P+L)	1626	1200 - 2700	1012	800 - 1700

PASS/FAIL SUMMARY

Background Quality Check:	Passed
Background Range Check:	Passed
Background Resolution Check:	Passed
Background Verification Check:	Passed
Magnesium Quality Check:	Passed
Aluminum Quality Check:	Passed
Gains Check:	Passed
Changes in Calibration Blocks:	Passed

SPECTRAL DENSITY FIELD CHECK

Tool Name:	SDLT - 183_477_870_DSEN	Reference Calibration Date:	22-Jan-08 15:37:39
Engineer:	SCHICKEDANZ	Calibration Date:	22-Jan-08 15:40:53
Software Version:	WL INSITE R2.0 (Build 22)	Calibration Version:	1

Aluminum Block S/N: FTS Density: 2.582g/cc
Magnesium Block S/N: FTS Density: 1.687g/cc
Pad Temperature: 73.4 degF

DENSITY FIELD CALIBRATION SUMMARY

Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1625.540	1623.629	-1.911	16.205
Far (B+D+P+L) cps	1011.880	1004.986	-6.894	16.996
Near Resolution	9.32	9.41	0.090	0.50
Far Resolution	8.57	8.57	0.000	1.00

PASS/FAIL SUMMARY

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

DENSITY CALIPER SHOP CALIBRATION

Tool Name:	SDLT - 183_477_870_DSEN	Reference Calibration Date:	22-Jan-08 16:55:36
Engineer:	SCHICKEDANZ	Calibration Date:	22-Jan-08 17:01:57
Software Version:	WL INSITE R2.0 (Build 22)	Calibration Version:	1

CALIBRATION COEFFICIENTS

Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-1189.11	-1135.27	-7000.00 - -1000.00
Pad Gain	0.0003770	0.0003750	0.000200 - 0.000600
Arm Offset	-1734.04	-1436.37	-5000.00 - 3000.00
Arm Gain	0.0005962	0.0005257	0.000300 - 0.000700
Arm Power	-0.000010302	-0.000006318	-0.000010 - 0.000010

The ring diameter is computed from: $\text{DIAMETER} = \text{PAD EXTENSION} + \text{ARM EXTENSION} + \text{TOOL DIAMETER}$

Tool Diameter: 4.50 in

CALIBRATION RINGS

Measurement	Current Reading (Previous Coeff.)	Calibrated (New Coeff.)	Change	Control Limit On New Value
PAD EXTENSION:				
Overall Diameter (in)	4.00	3.99	0.0100	14.0000

Small Ring (in)	1.99	2.00	0.0100	+/- 0.200
Medium Ring (in)	3.75	3.75	0.0000	+/- 0.200
RING DIAMETER:				
Small Ring (in)	6.52	6.50	-0.0200	+/- 0.200
Medium Ring (in)	8.43	8.25	-0.1800	+/- 0.200
Large Ring (in)	15.04	15.00	-0.0400	+/- 0.200

PASS/FAIL SUMMARY

Calibration-Coefficients Range Check:	Passed
Ring-Measurement Check:	Passed

PASS/FAIL SUMMARY

Calibration-Coefficients Range Check:	Passed
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SDLT CALIPER FIELD CALIBRATION

Tool Name:	SDLT - 183_477_870_DSEN	Reference Calibration Date:	22-Jan-08 17:01:57
Engineer:	SCHICKEDANZ	Calibration Date:	22-Jan-08 17:03:22
Software Version:	WL INSITE R2.0 (Build 22)	Calibration Version:	1

MEASURED CALIPER VALUES

Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.75	0.00	+/- 0.10
Ring Diameter	8.25	8.25	-0.00	+/- 0.15

PASS/FAIL SUMMARY

Pad Extension Check:	Passed
Diameter Check:	Passed

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name:	ACRt - I816_S708	Reference Calibration Date:	02-Jan-08 10:51:08
Engineer:	DANIEL SANDERS	Calibration Date:	05-Mar-08 13:47:21

TYPICAL GAIN RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	0.9391	1.05	0.95	0.9345	1.05	0.95	0.9304	1.05
A2 (50")	0.95	0.9366	1.05	0.95	0.9317	1.05	0.95	0.9278	1.05
A3 (29")	0.95	0.9352	1.05	0.95	0.9325	1.05	0.95	0.9317	1.05
A4 (17")	0.95	0.9980	1.05	0.95	0.9963	1.05	0.95	0.9992	1.05
A5 (10")	N/A	N/A	N/A	0.95	0.9897	1.05	0.95	0.9903	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.9862	1.05	0.95	0.9875	1.05

TYPICAL SONDE OFFSET RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	-3	-1.899	-1	-6	-4.723	-2	-6	-5.071	-2
A2 (50")	-6	-4.504	-2	-6	-4.593	-2	-6	-4.619	-2
A3 (29")	-27	-19.324	-9	-9	-5.456	-3	-9	-4.572	-3
A4 (17")	-180	-115.481	-60	-45	-34.980	-15	-39	-26.612	-13
A5 (10")	N/A	N/A	N/A	-150	-102.323	-50	-90	-50.581	-30
A6 (6")	N/A	N/A	N/A	175	324.749	525	90	161.031	270

TRANSMITTER CURRENT GAIN

Signal	Lower	R	Upper
12K	0.75	0.8369	1.4
36K	1.0	1.1621	2.4
72K	1.25	1.3141	2.5

R-MUD VERIFICATION

Signal	Lower (ohm-m)	Measured (ohmm)	Upper (ohm-m)
Mud Cell	0.95	1.003	1.05


CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-10971172						
Gamma Ray Calibrator	215.0	213.7	-----	1.3	+/- 9.0	api
DSEN-I-10871183						
Short Space Porosity	0.47	-----	-----	0.00	+/- 0.7	decp
Long Space Porosity	0.09	-----	-----	0.00	+/- 0.3	decp
SDLT-183_477_870_DSEN						
Near(B+D+P+L)	1625.540	1623.629	-----	1.911	+/- ----	cps
Far(B+D+P+L)	1011.880	1004.986	-----	6.894	+/- ----	cps
CALIPER RING 1	8.25	8.25	-----	0.00	+/- xxxx	in

Data: STORM_CAT_VAUGH\0001 DSEN-TRIPLEIDLE	Date: 20-Mar-08 11:56:45
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HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	OD/Sensors	Diagram	Sensors	Tool Length	Accumulated Length
CH-PROT01 30.00 lbs	O.D. = 3.63 in			1.92 ft	50.13 ft
					48.21 ft
GTET-10971172 165.00 lbs	O.D. = 3.63 in		GammaRay @ 42.21 ft	8.46 ft	39.75 ft

DSN-IB-10871183
174.00 lbs

O.D. = 3.63 in

9.69 ft

DSN Far @ 32.81 ft

DSN Near @ 32.06 ft

30.06 ft

**SDLT-
183_477_870_DSEN**
360.00 lbs

O.D. = 4.50 in

10.81 ft

SDL Microlog @ 22.25 ft

SDL Caliper @ 22.07 ft

SDL @ 22.06 ft

O.D. = 4.75 in

19.25 ft

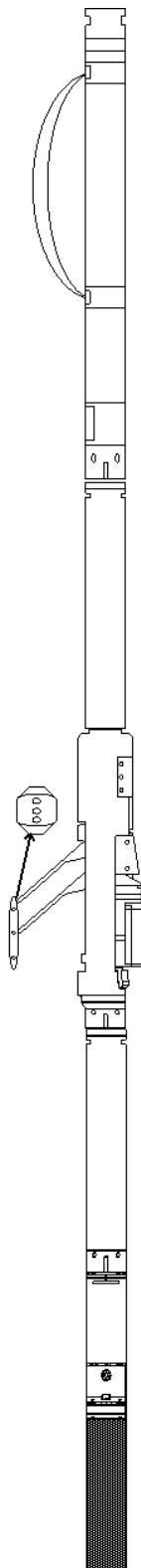
Mud Resistivity @ 12.86 ft

ACRt-I816_S708
250.00 lbs

O.D. = 3.63 in

19.25 ft

ACRt @ 8.88 ft





SP @ 1.28 ft



0.00 ft

Tool Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Length Accumulation (ft)	Max Logging Speed (fpm)
CH	Cable Head	PROT01	30.00	1.92	48.21	300.00
GTET	GTET	10971172	165.00	8.46	39.75	60.00
DSEN-IB	DSEN-I	10871183	174.00	9.69	30.06	60.00
SDLT	SDLT	183_477_870_DSEN	360.00	10.81	19.25	60.00
ACRt	ACRt	1816_S708	250.00	19.25	0.00	300.00
Total			979.00	50.13		60.00

Data: STORM_CAT_VAUGH\0001 DSEN-TRIPLE\IDLE

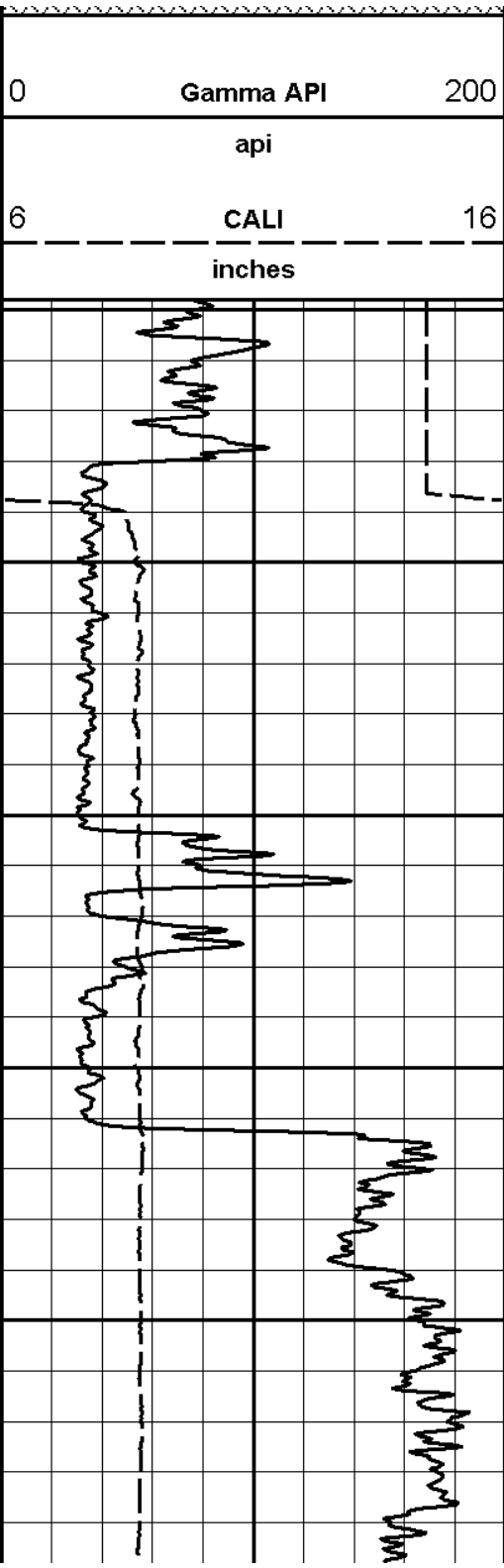
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HALLIBURTON

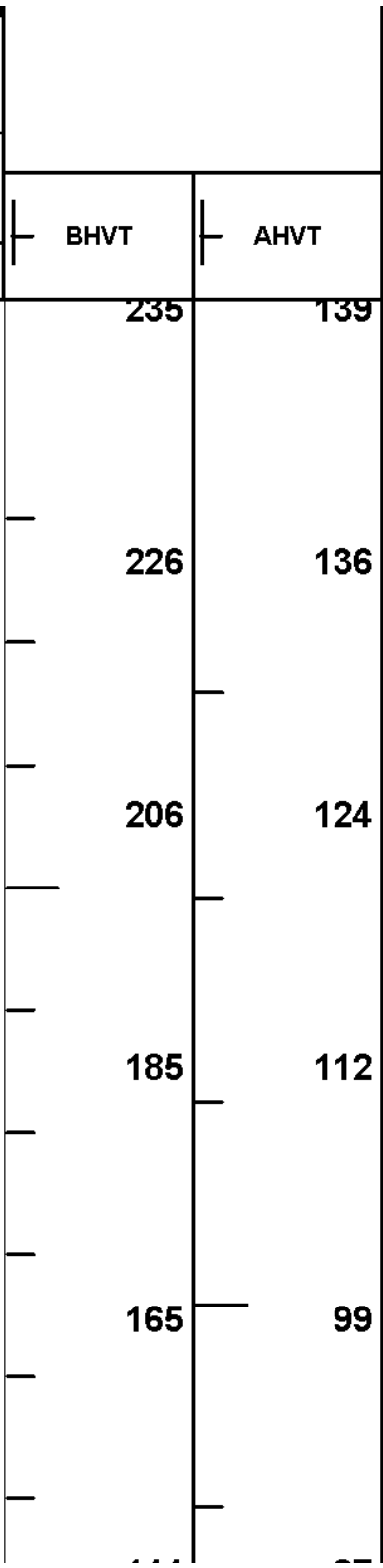
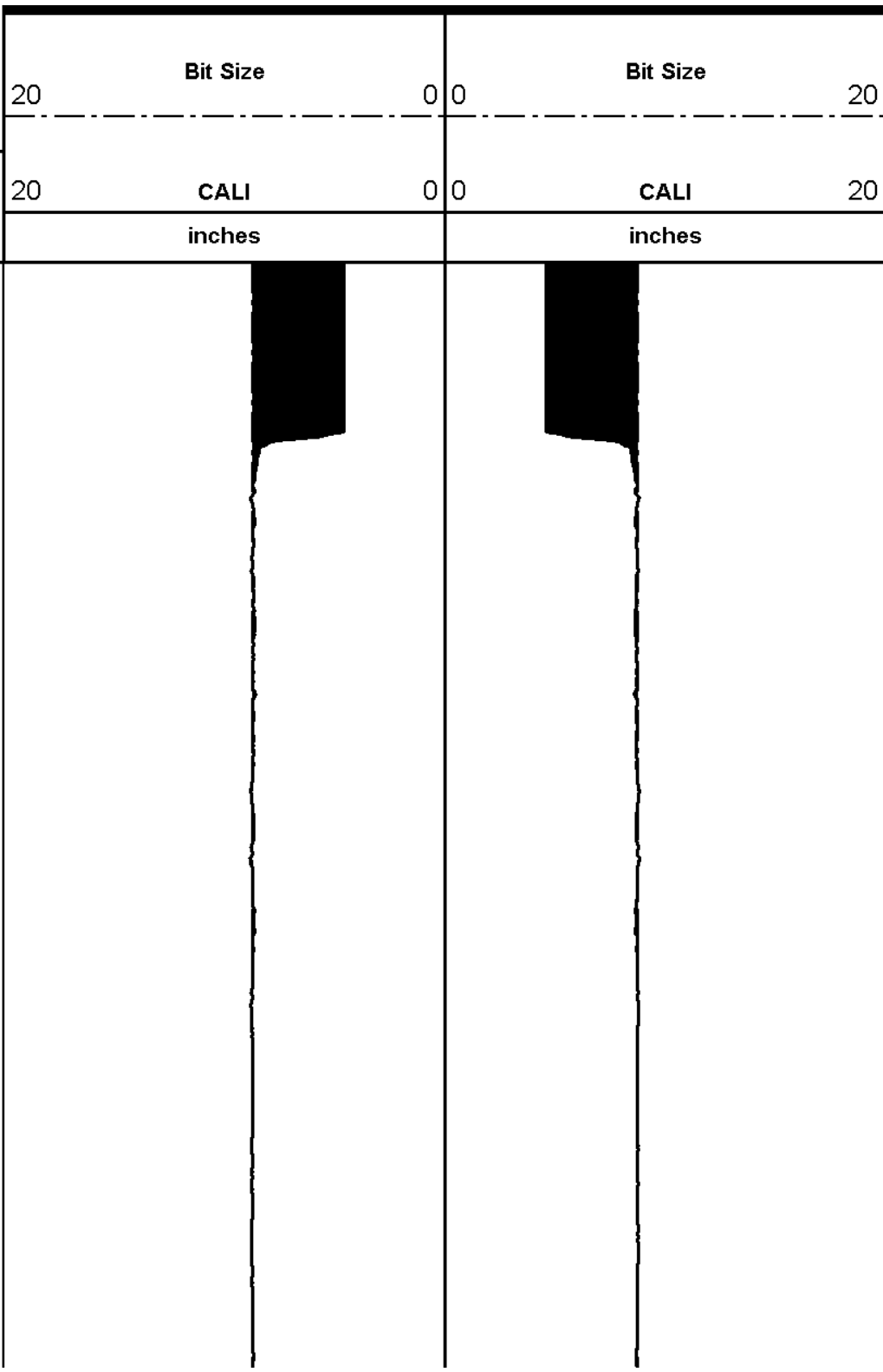
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Plot Range: 648 ft to 1250 ft
Data: STORM_CAT_VAUGH\Well Based\DAQ-0001-003\
Plot File: \\-LOCAL-\\STORM_CAT_VAUGH\0001 DSEN-TRIPLE\COMBO\AHV Plot_INSITE_IQ

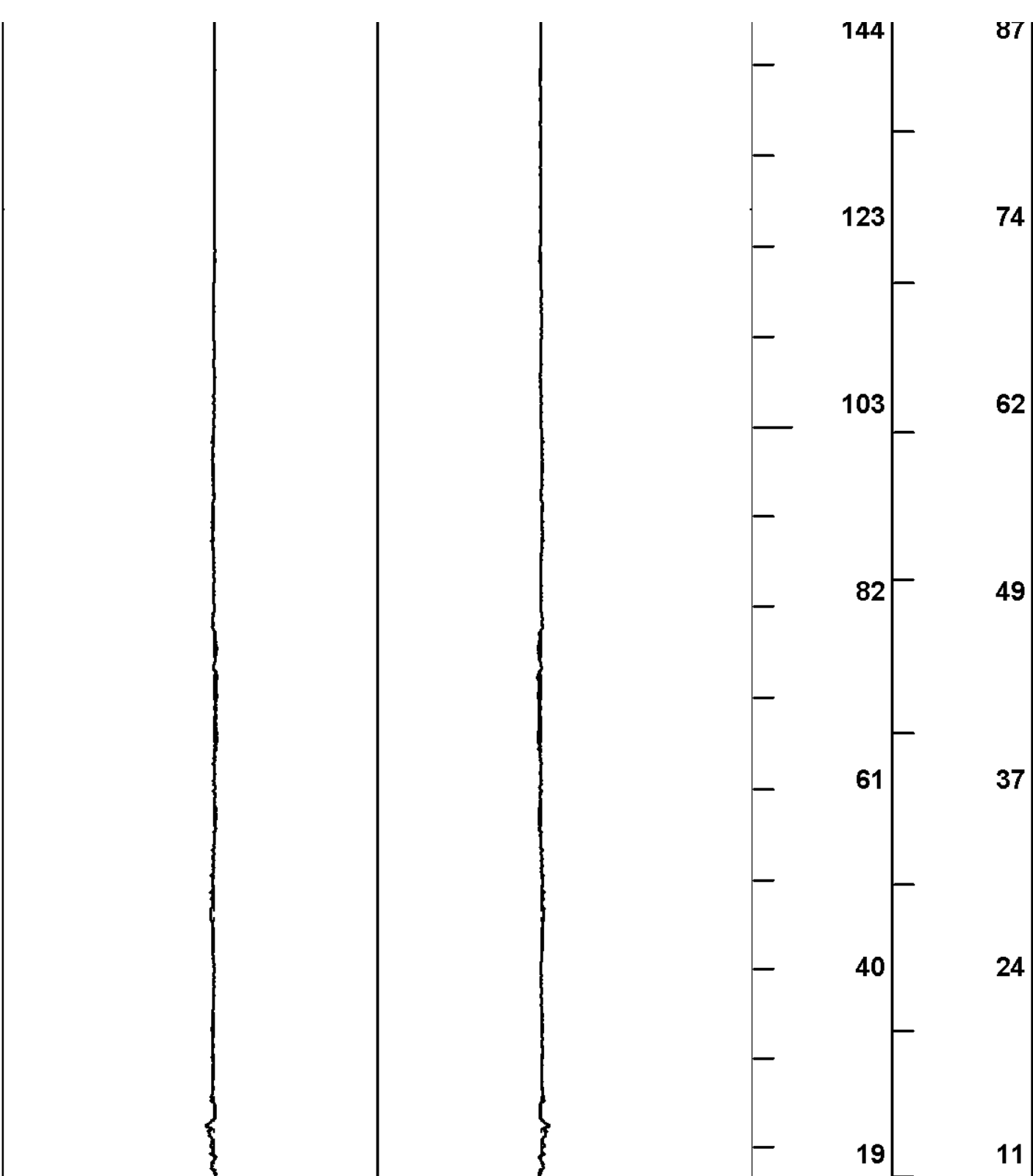
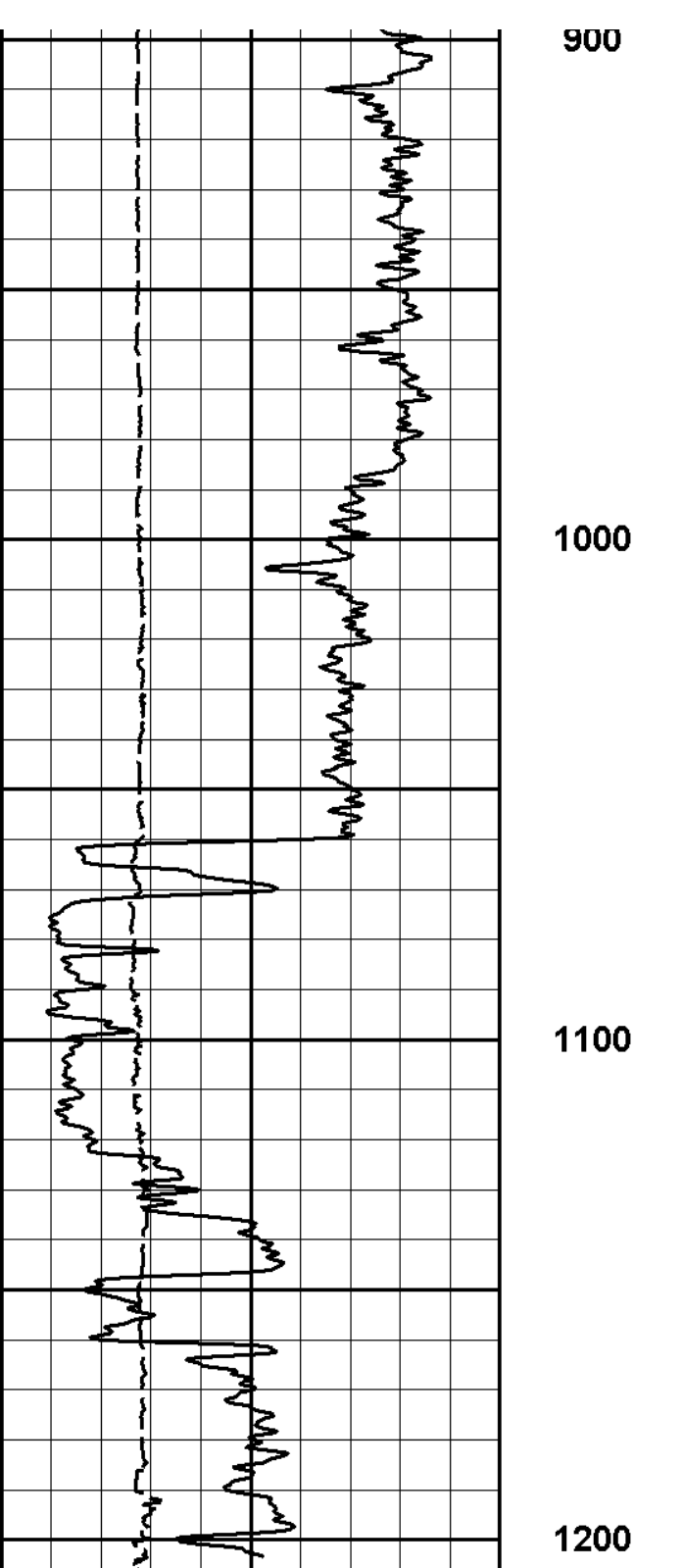
ANNULAR HOLE VOLUME PLOT

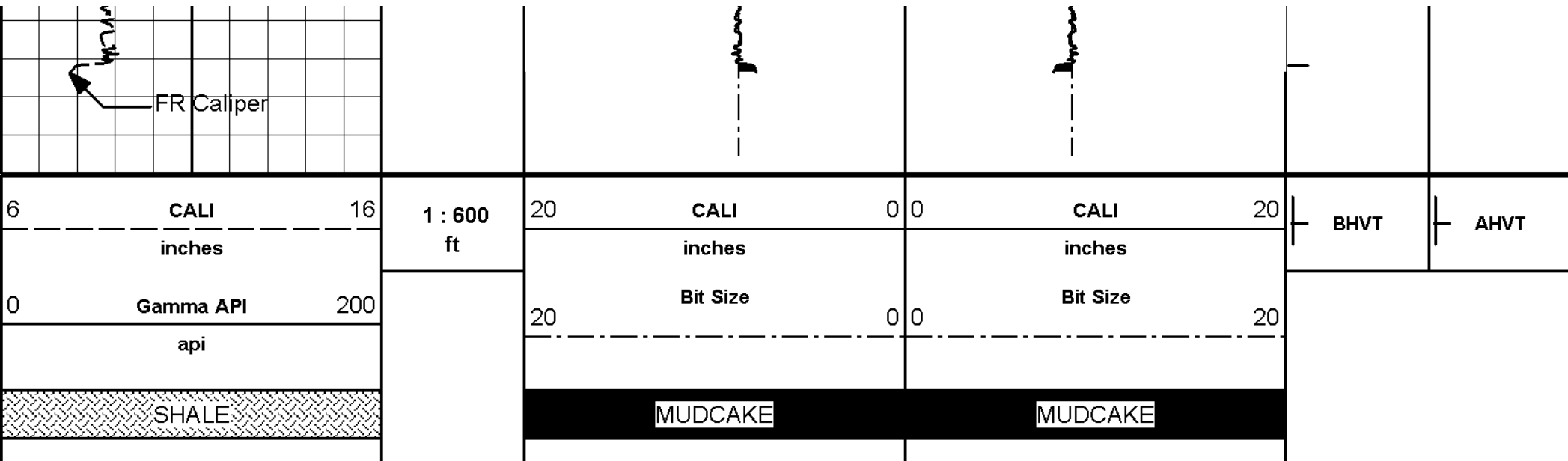




1 : 600 ft
700
800



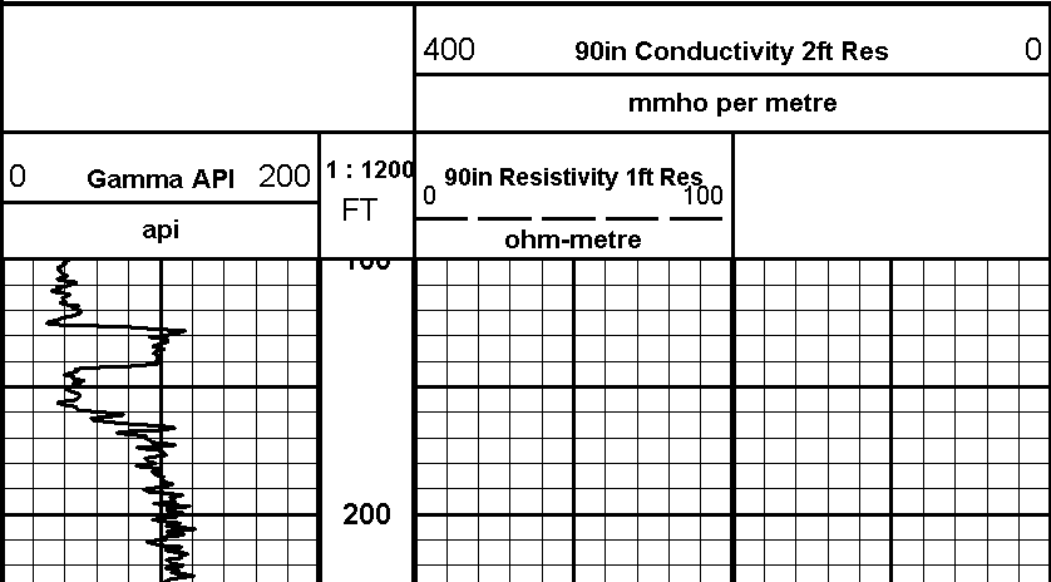


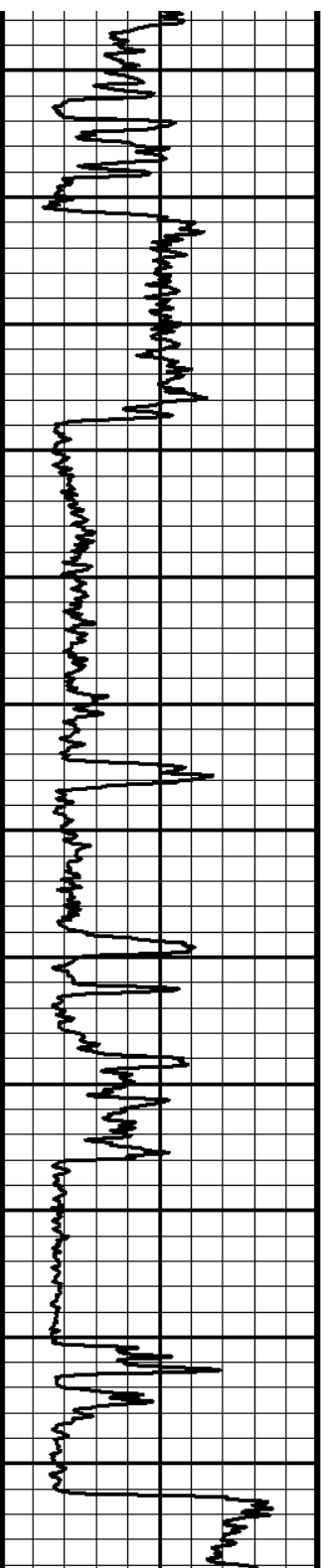


HALLIBURTON

Plot Time: 20-Mar-08 13:07:29
 Plot Range: 648 ft to 1250 ft
 Data: STORM_CAT_VAUGH\Well Based\DAQ-0001-003\
 Plot File: \\-LOCAL-\\STORM_CAT_VAUGH\0001 DSEN-TRIPLE\COMBO\AHV Plot_INSITE_IQ

ANNULAR HOLE VOLUME PLOT





300

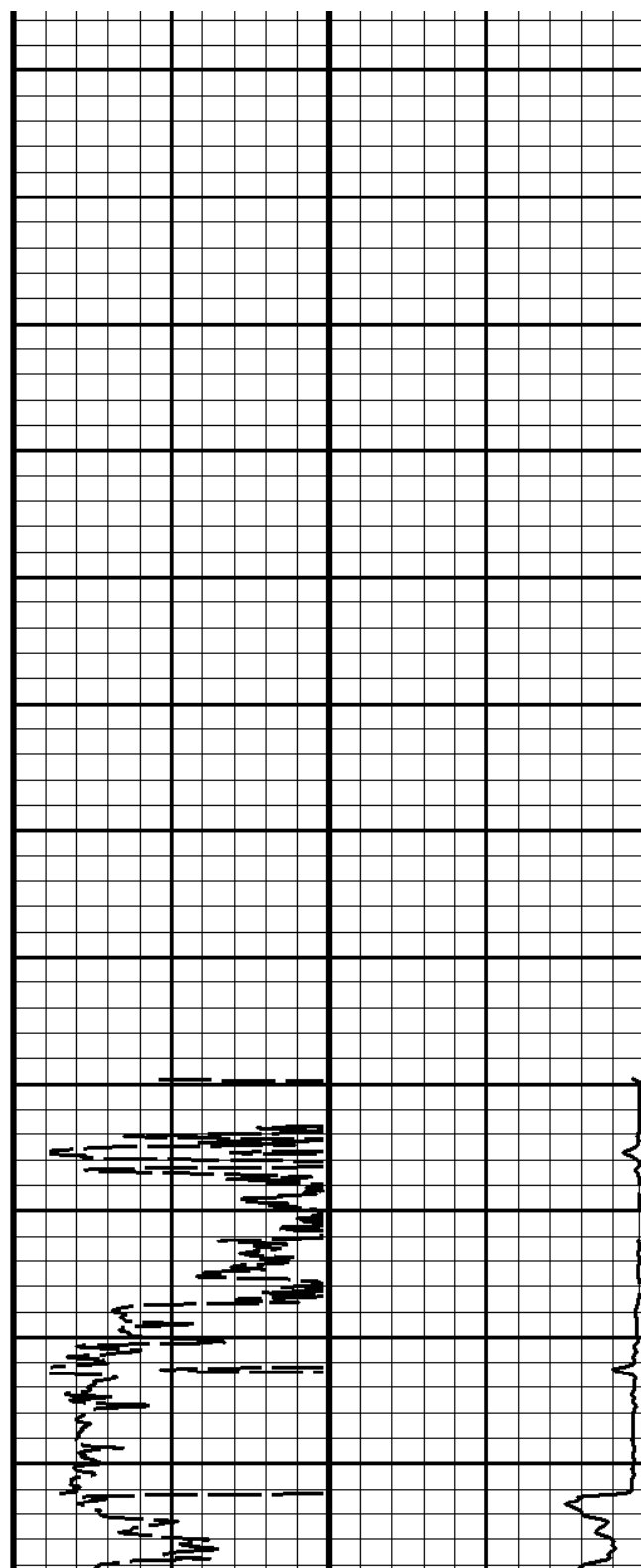
400

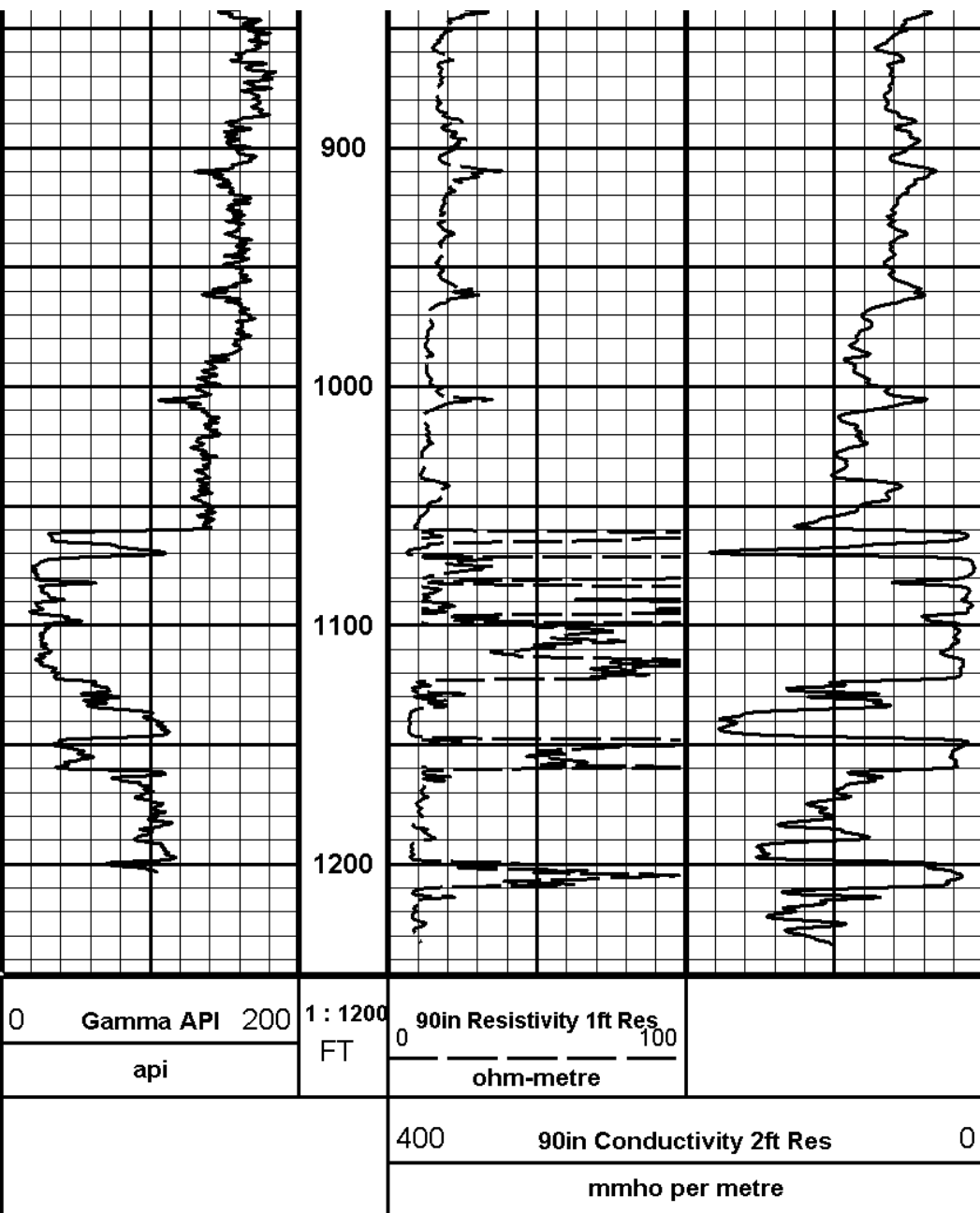
500

600

700

800





COMPANY STORM CAT ENERGY (USA) OPERATING CORP.

WELL VAUGHAN 2-18

FIELD B-43

COUNTY	VAN BUREN	STATE	ARKANSAS
HALLIBURTON	SPECTRAL DENSITY EPITHERMAL NEUTRON ARRAY RESISTIVITY LOG		