

**Weatherford****ARRAY INDUCTION  
LOGS**

COMPANY **EAST CHEYENNE GAS STORAGE LLC**  
WELL **ECGS No 6-18 WPD011-2**  
FIELD **PEETZ WEST**  
PROVINCE/COUNTY **LOGAN**  
COUNTRY/STATE **US/COLORADO**  
LOCATION **NESE 2372' FSL AND 1539' FEL**

SEC **6** TWP **11N** RGE **52W** Other Services  
API Number **05-075-09406** MPD/MDN  
Permit Number **CMI**

Permanent Datum GL, Elevation 4550 feet  
Log Measured From KB  
Drilling Measured From KB

Elevations:  
KB 4564.00  
DF 4563.00  
GL 4550.00

Date	12-OCT-2012	
Run Number	ONE	
Depth Driller	5260.00	feet
Depth Logger	5264.00	feet
First Reading	5261.00	feet
Last Reading	1214.00	feet
Casing Driller	1215.00	feet
Casing Logger	1214.00	feet
Bit Size	8.750	inches
Hole Fluid Type	WBM	
Density / Viscosity	9.80 lb/USg	38.00 CP
PH / Fluid Loss	9.00	7.40 ml/30Min
Sample Source	FLOWLINE	
Rm @ Measured Temp	3.75 @ 80.0	ohm-m
Rmf @ Measured Temp	3.0 @ 80.0	ohm-m
Rmc @ Measured Temp	4.50 @ 80.0	ohm-m
Source Rmf / Rmc	CALC	CALC
Rm @ BHT	2.115 @ 144.0	ohm-m
Time Since Circulation	4 HOURS	
Max Recorded Temp	144.00	deg F
Equipment Name	COMPACT	
Equipment / Base	13144	RK SPR
Recorded By	J. LIU	T. BENICH
Witnessed By	A. ASHBY	L. CARRASCO

**BOREHOLE RECORD**

Last Edited: 12-OCT-2012 07:18

Bit Size inches	Depth From feet	Depth To feet
8.750	1214.00	5260.00

**CASING RECORD**

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	9.625	0.00	1214.00	36.00

**REMARKS**

SOFTWARE VERSION 13.03.7779

TOOLS RUN: SHA, MCG, MDN, MPD, MIS-A, SKJ, MIS-E, SKJ, SHA, MIM, MIE, SKJ, MFE, MAI RUN IN COMBINATION.

HARDWARE: MPD: 8" PROFILE PLATE USED.  
MAI: TWO 1 INCH STANDOFFS USED.  
MDN: DUAL BOWSPRING USED.  
MIM: ONE NONMETALIC CENTRALIZING BASKET USED.  
MIE: ONE 1 INCH STANDOFF USED

2.65 G/CC DENSITY MATRIX USED TO CALCULATE POROSITY FROM TD TO BOTTOM OF FORT HAYES FORMATION(5264FT TO 4700FT)

7700117.

2.71 G/CC DENSITY MATRIX USED TO CALCULATE POROSITY IN FORT HAYES FORMATION (4700 FT TO 4200 FT).

TIGHT PULLS, BOREHOLE SIZE AND RUGOSITY WILL AFFECT REPEATABILITY AND DATA QUALITY.

ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.

LAT/ LONG: 40.95546 N / 103.21529 W

TOTAL HOLE VOLUME FROM TD TO SURFACE CASING =1770 CUBIC FEET

ANNULAR VOLUME WITH 7 INCH PRODUCTION CASING FROM TD TO SURFACE CASING = 700 CUBIC FEET

TOTAL VOLUME FROM TD TO 4200 FT = 410 CUBIC FEET

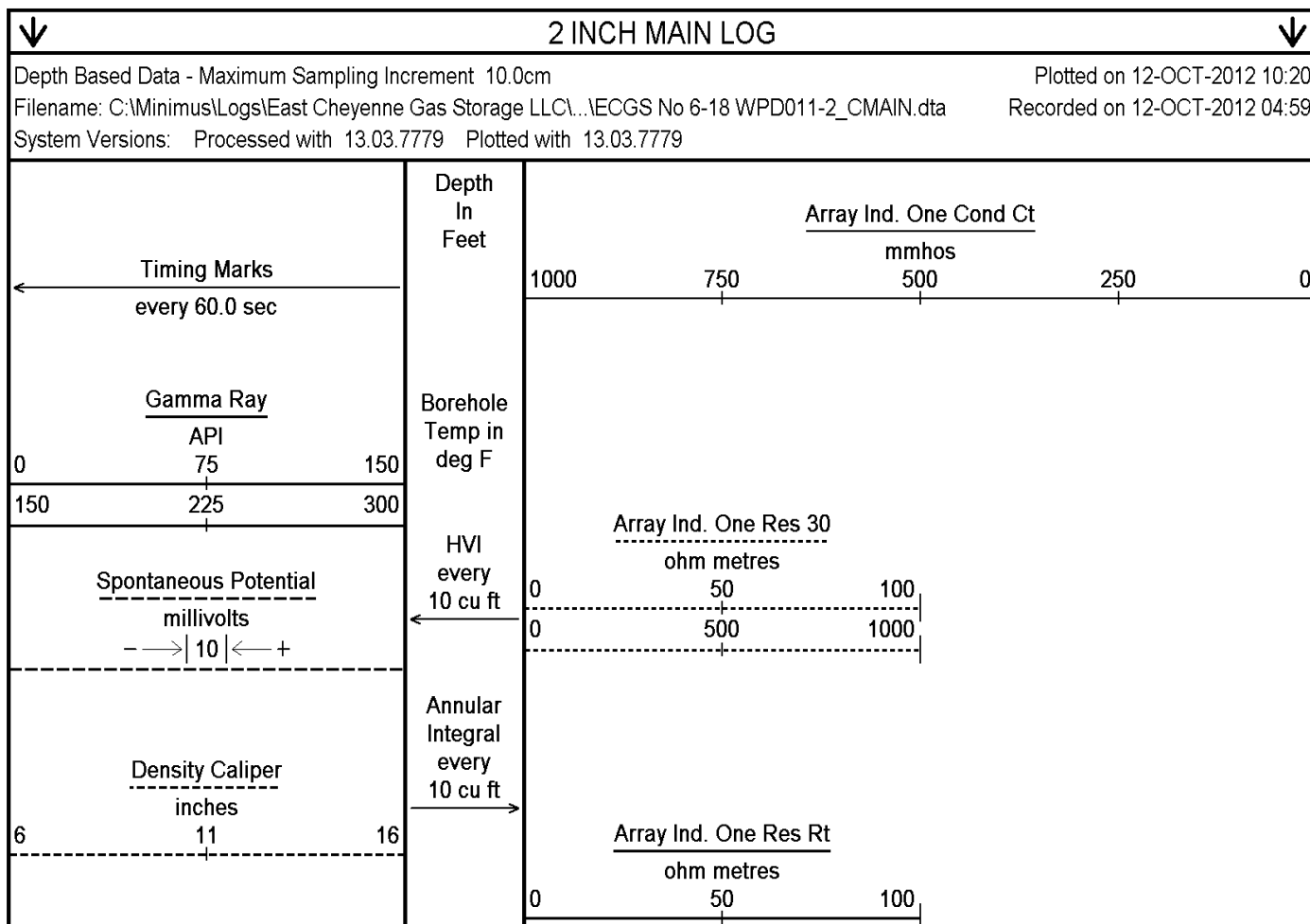
ANNULAR VOLUME WITH 7 INCH PRODUCTION CASING FROM TD TO 4200 FT = 140 CUBIC FEET

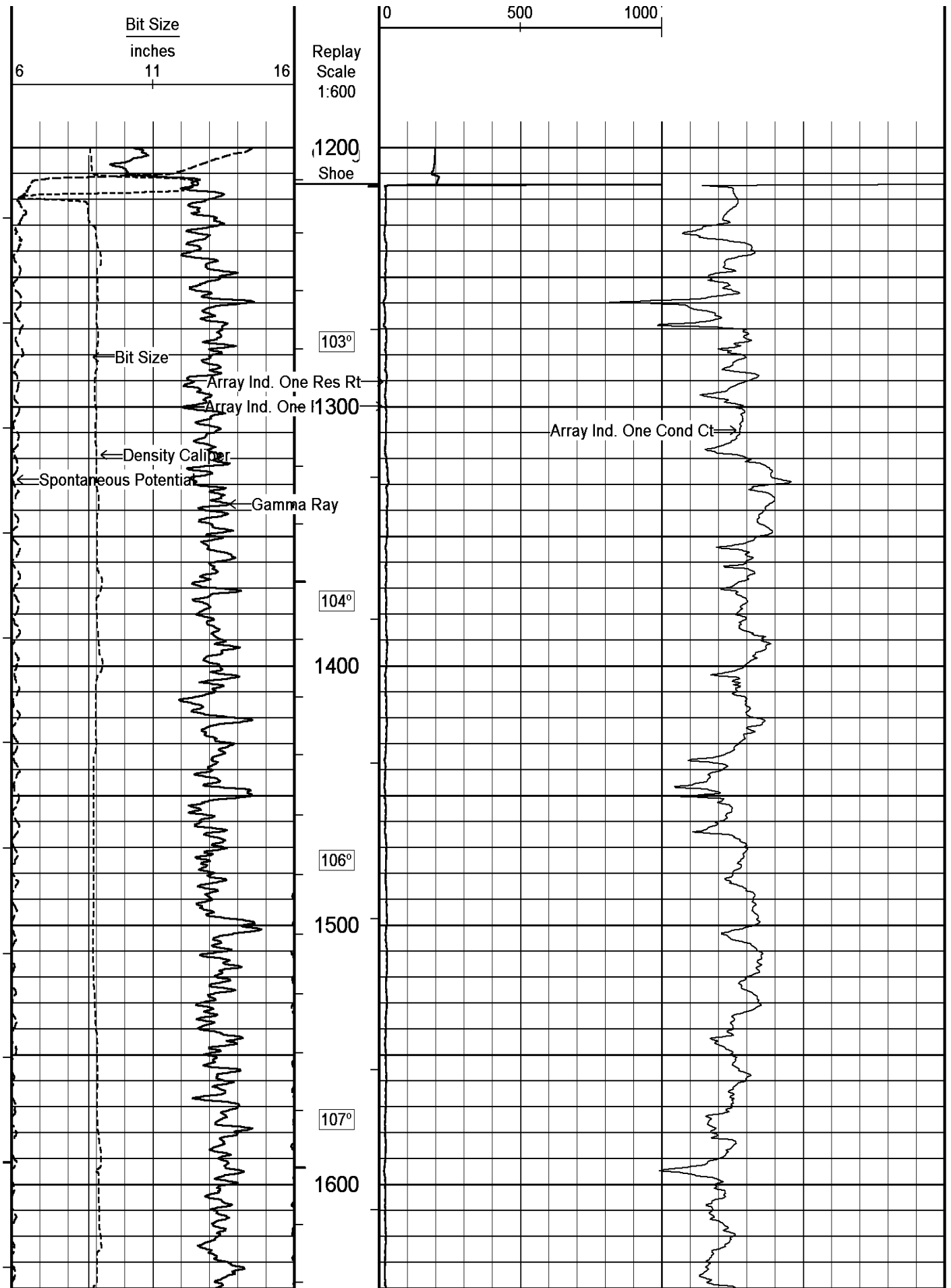
SERVICE ORDER: 3531931

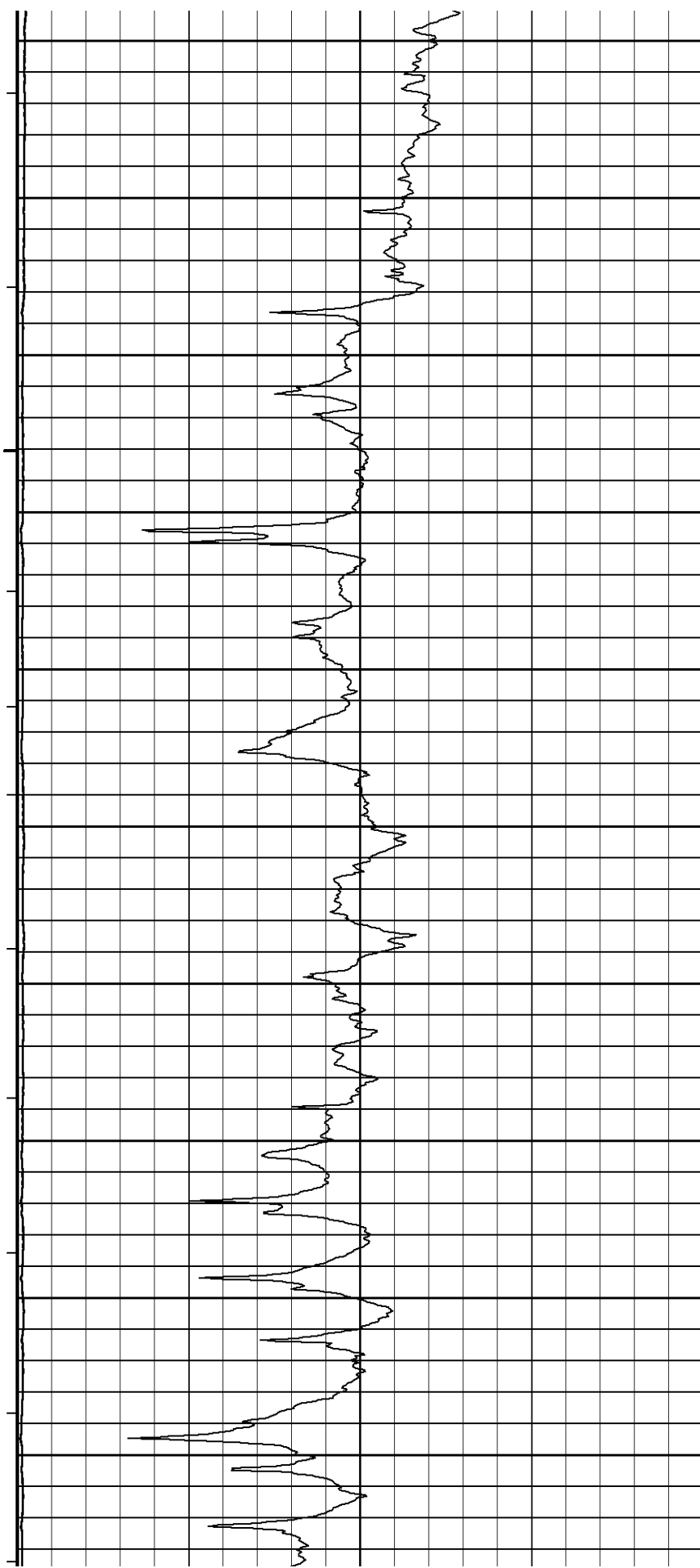
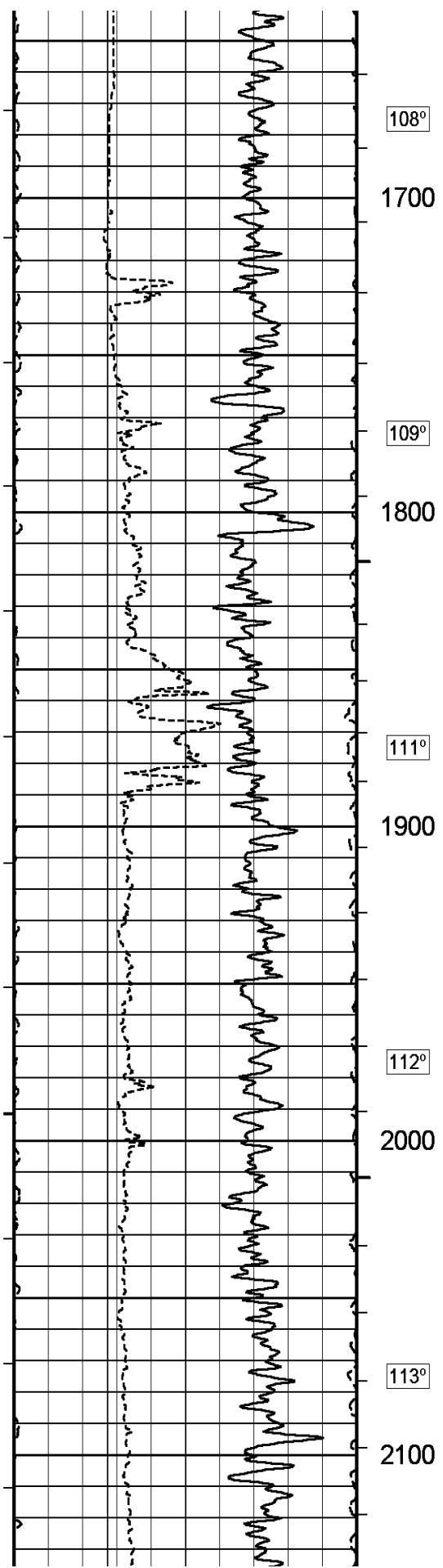
OPERATOR: D. SMITH  
J. BAASSIRI

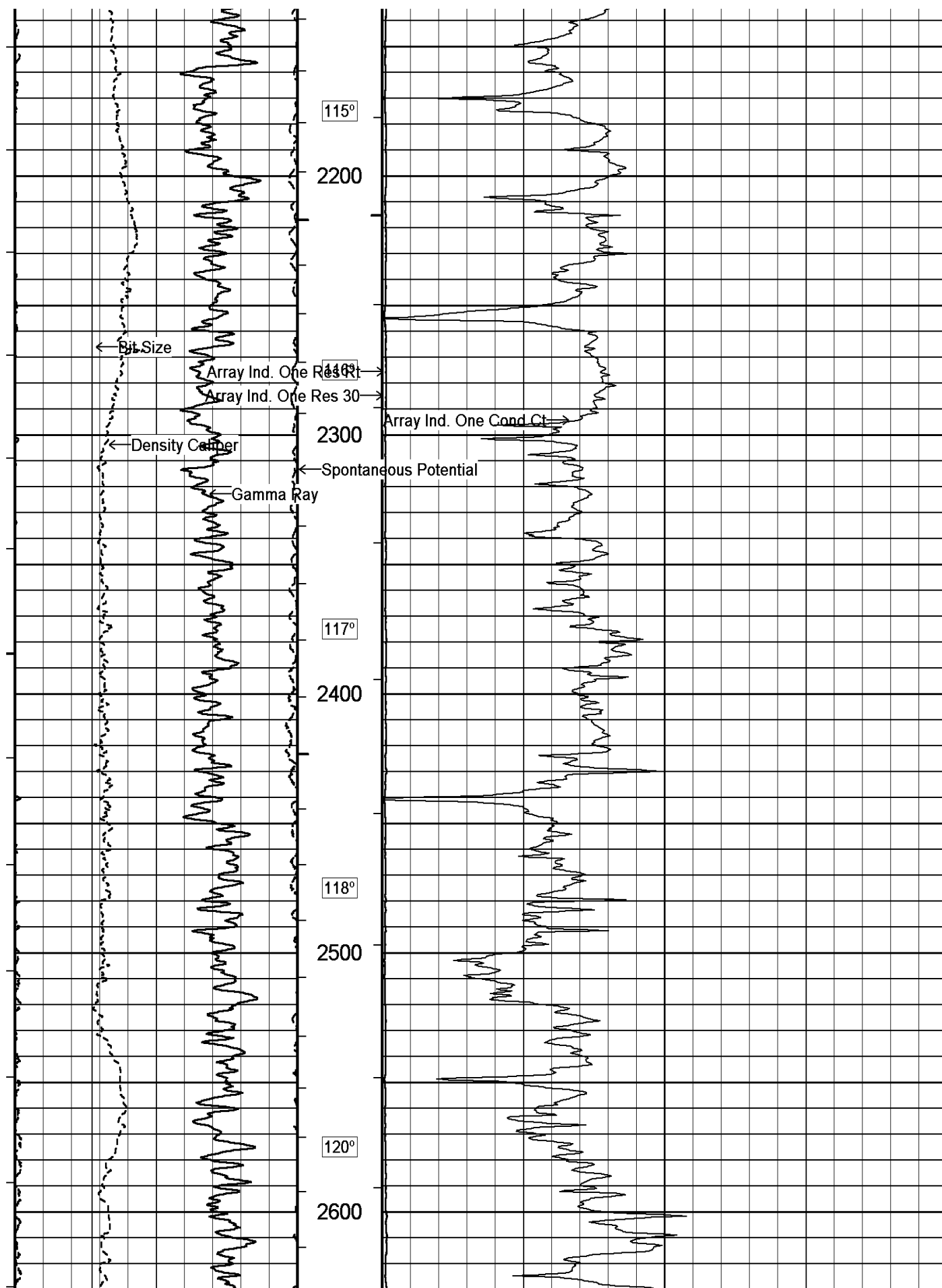
RIG: CADE 22

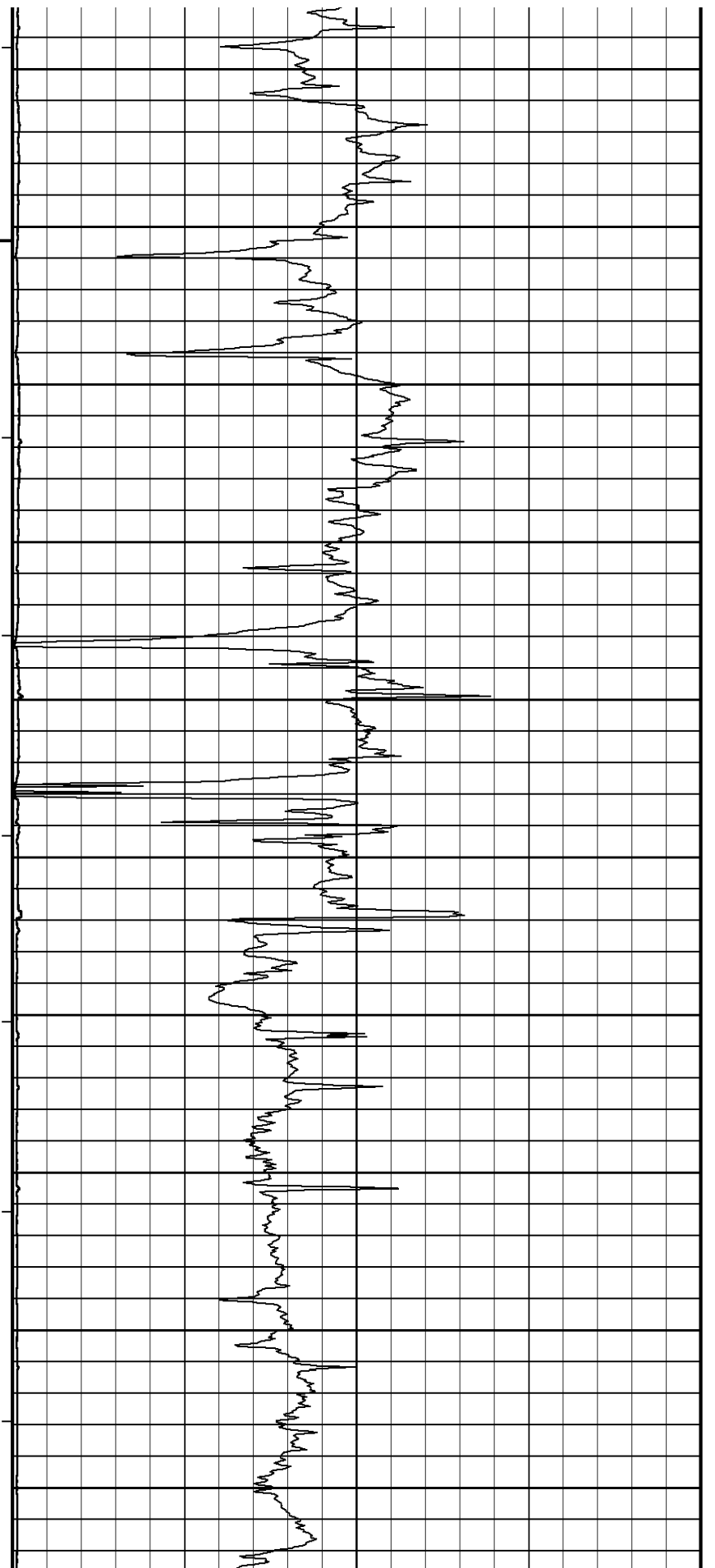
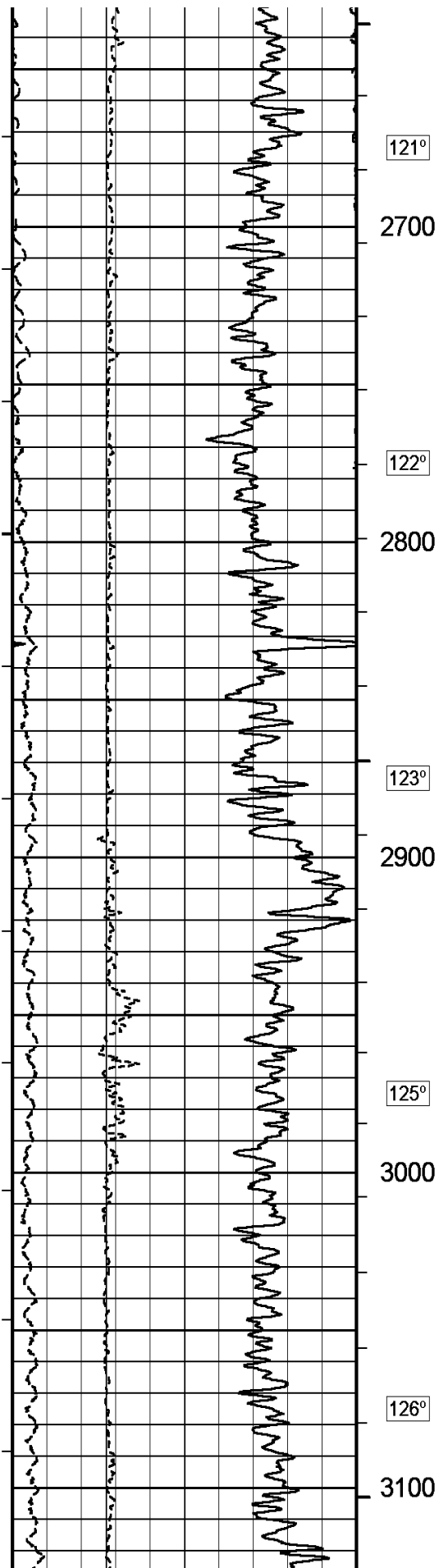
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions in our price schedule.

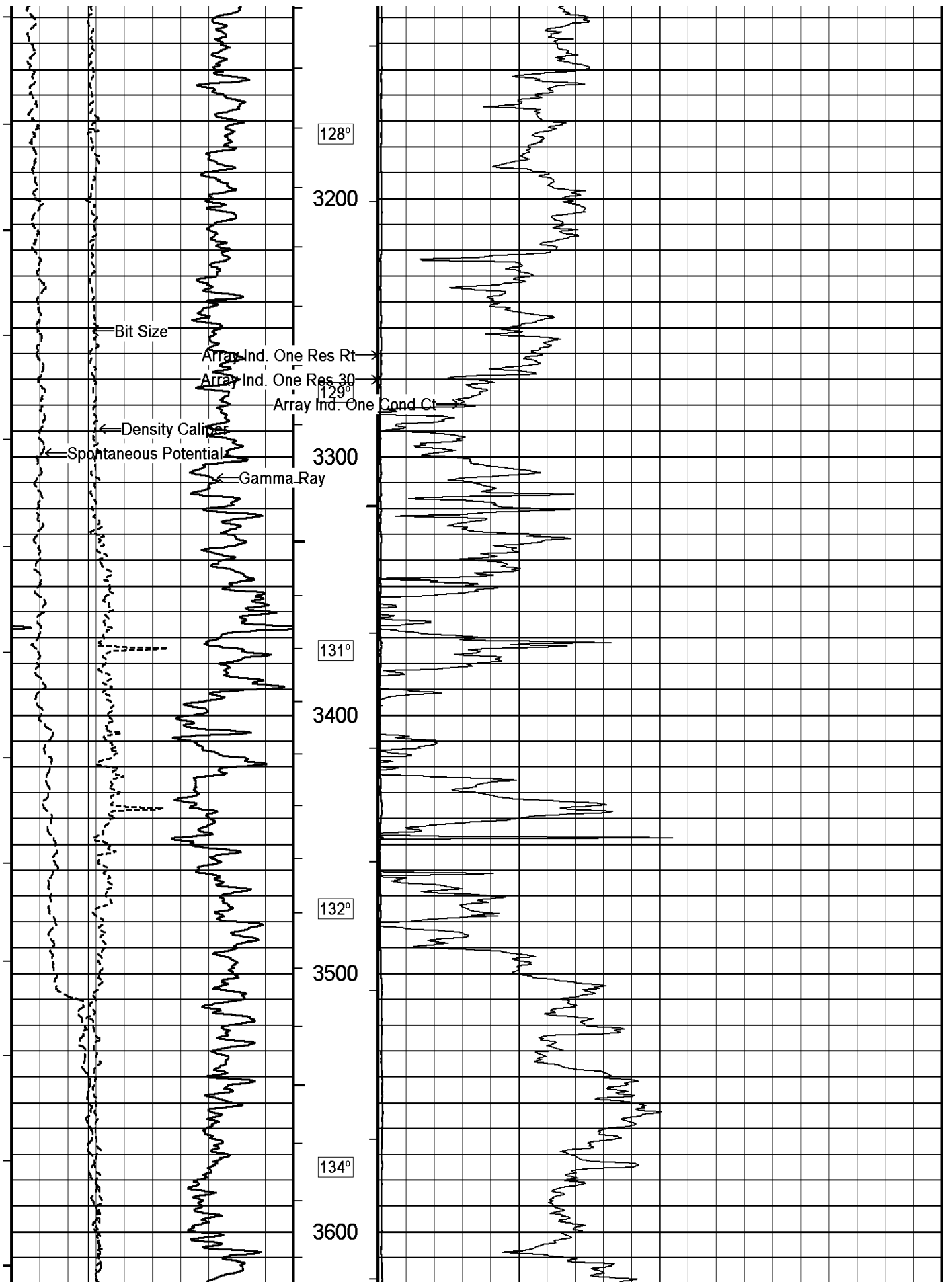


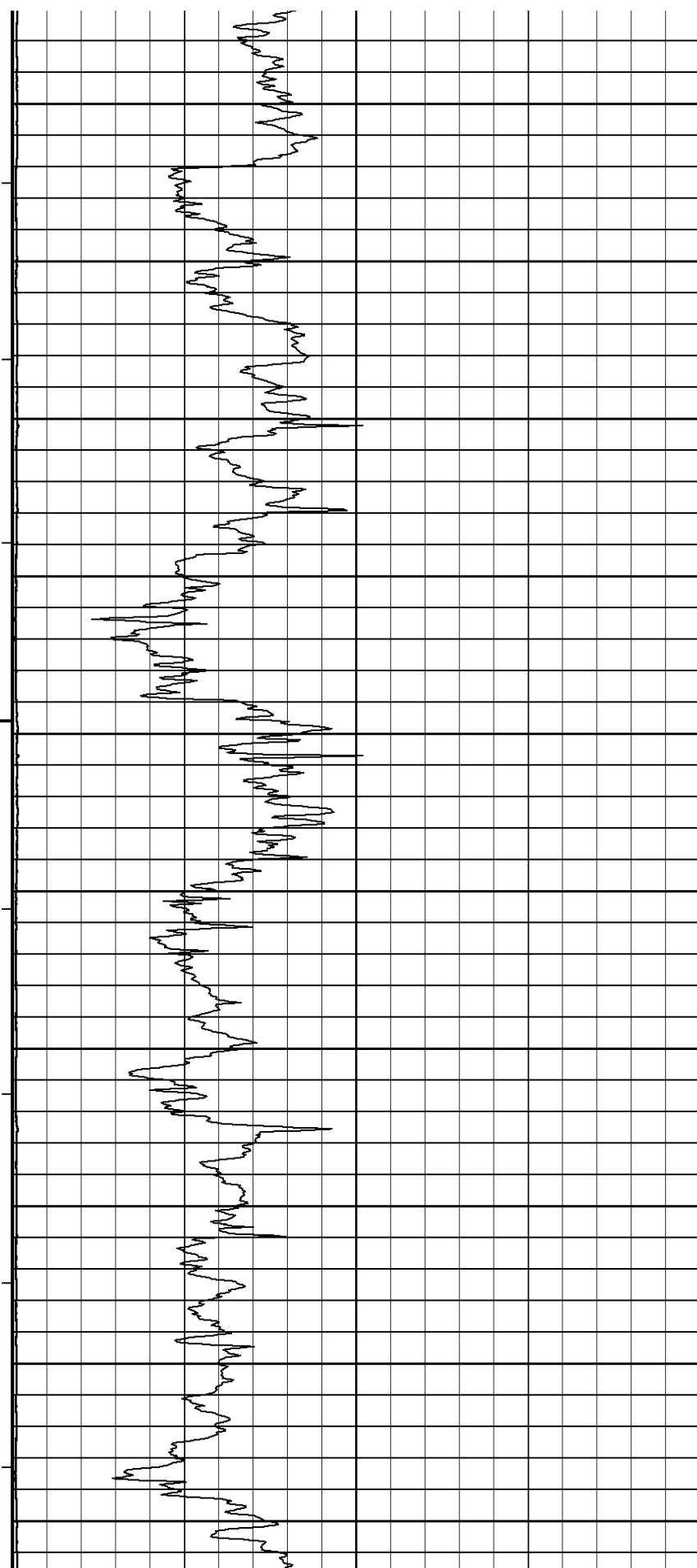
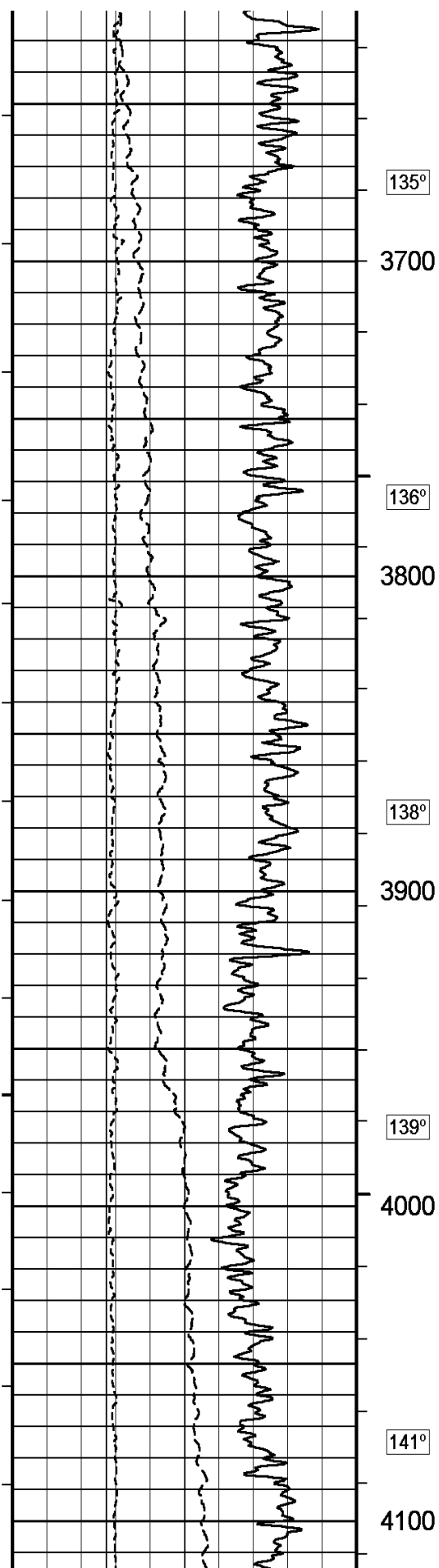




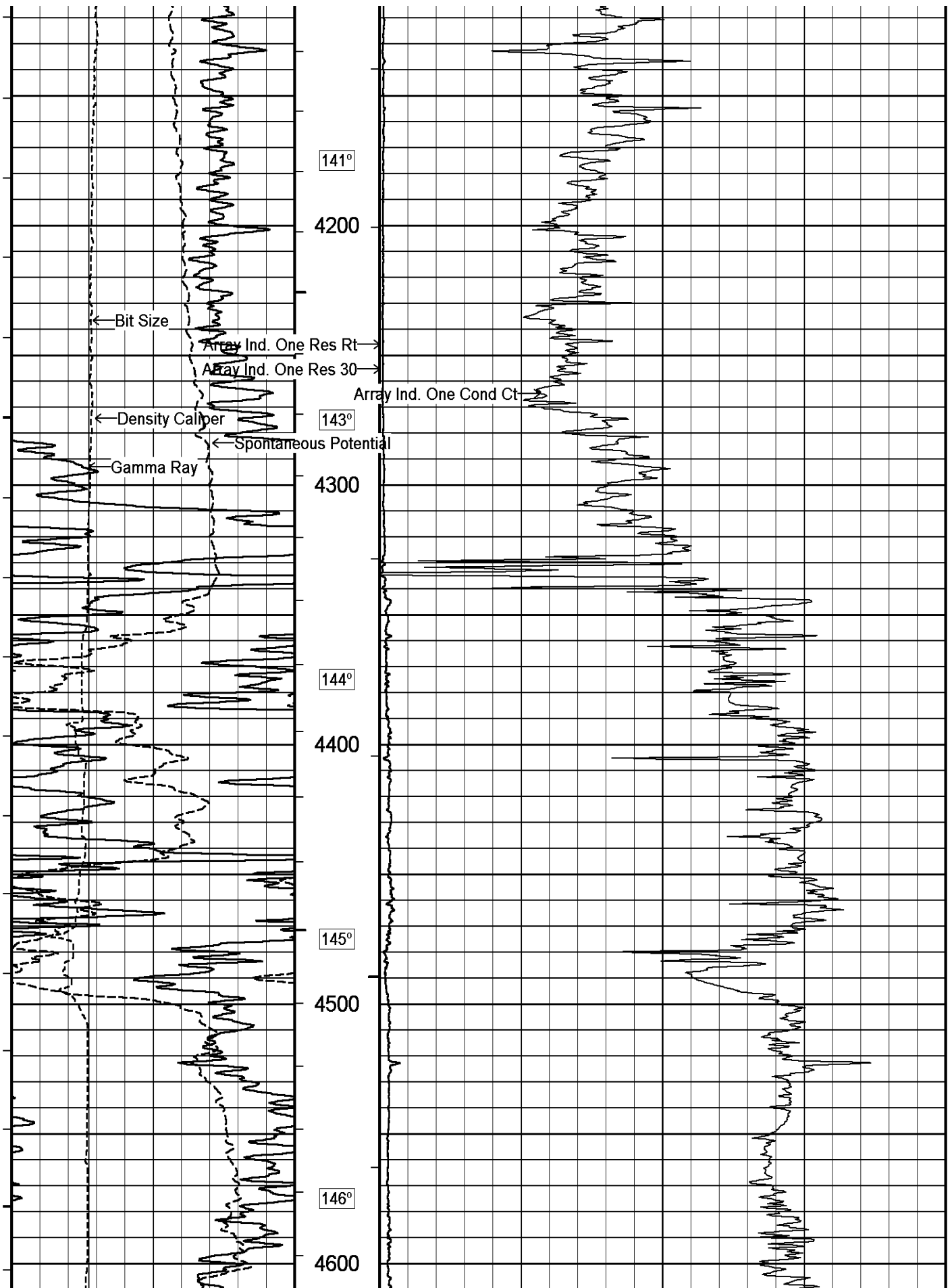


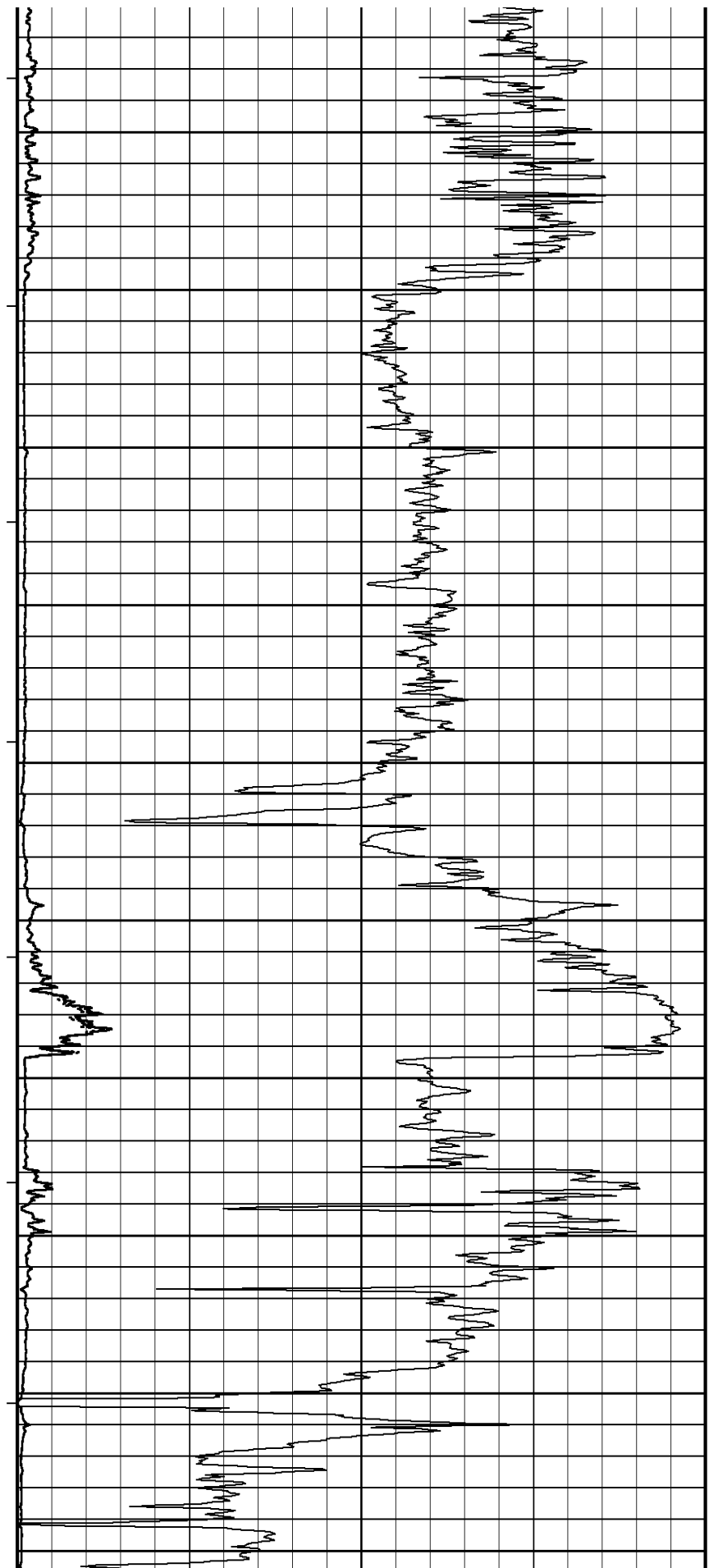
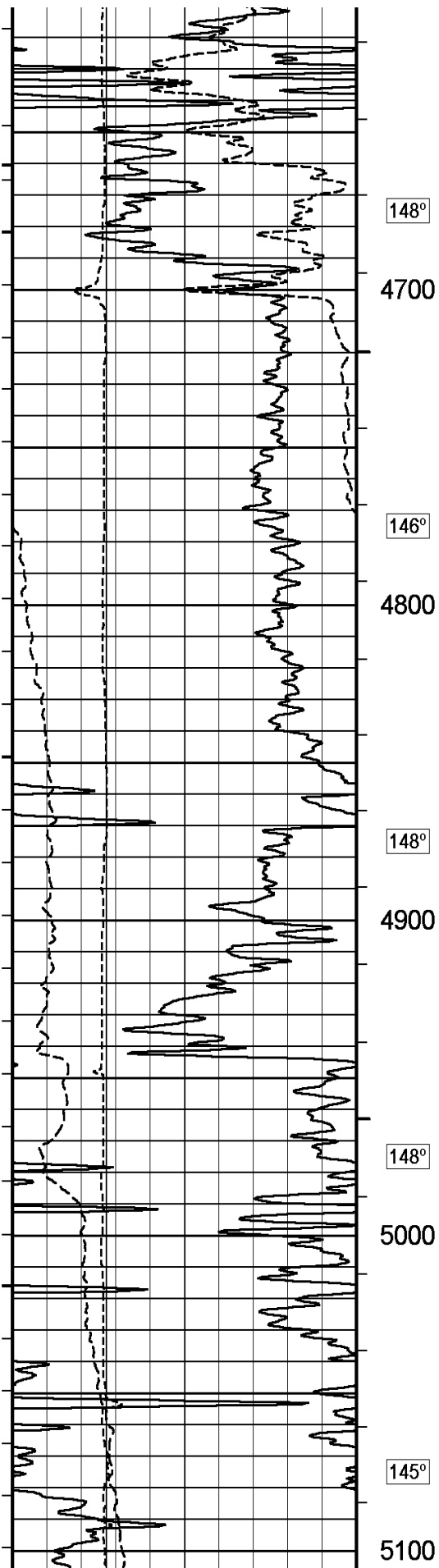


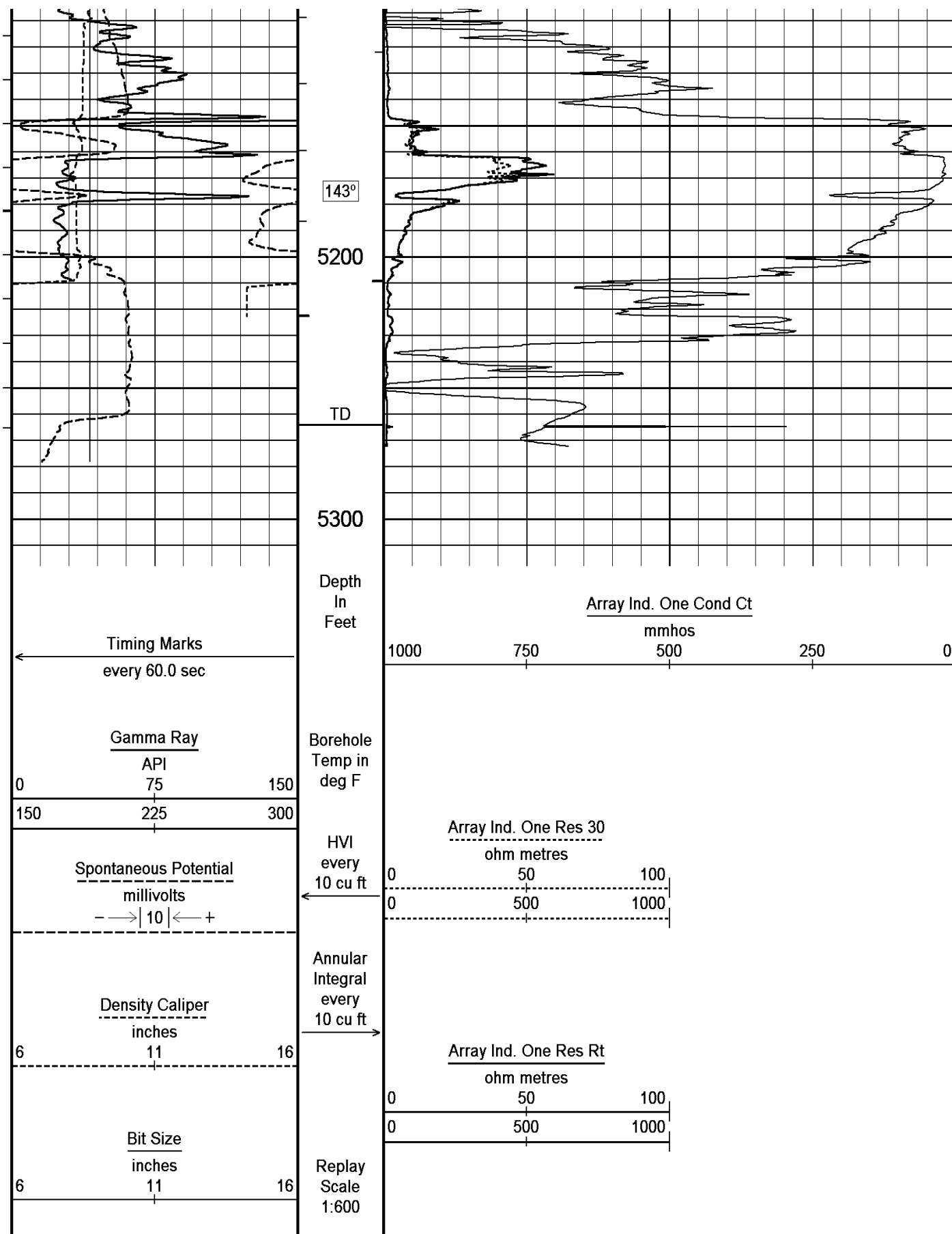












Depth Based Data - Maximum Sampling Increment 10.0cm

Filename: C:\Minimus\Logs\East Cheyenne Gas Storage LLC\...IECGS No 6-18 WPD011-2\_CMAIN.dta

System Versions: Processed with 13.03.7779 Plotted with 13.03.7779

Plotted on 12-OCT-2012 10:20

Recorded on 12-OCT-2012 04:59

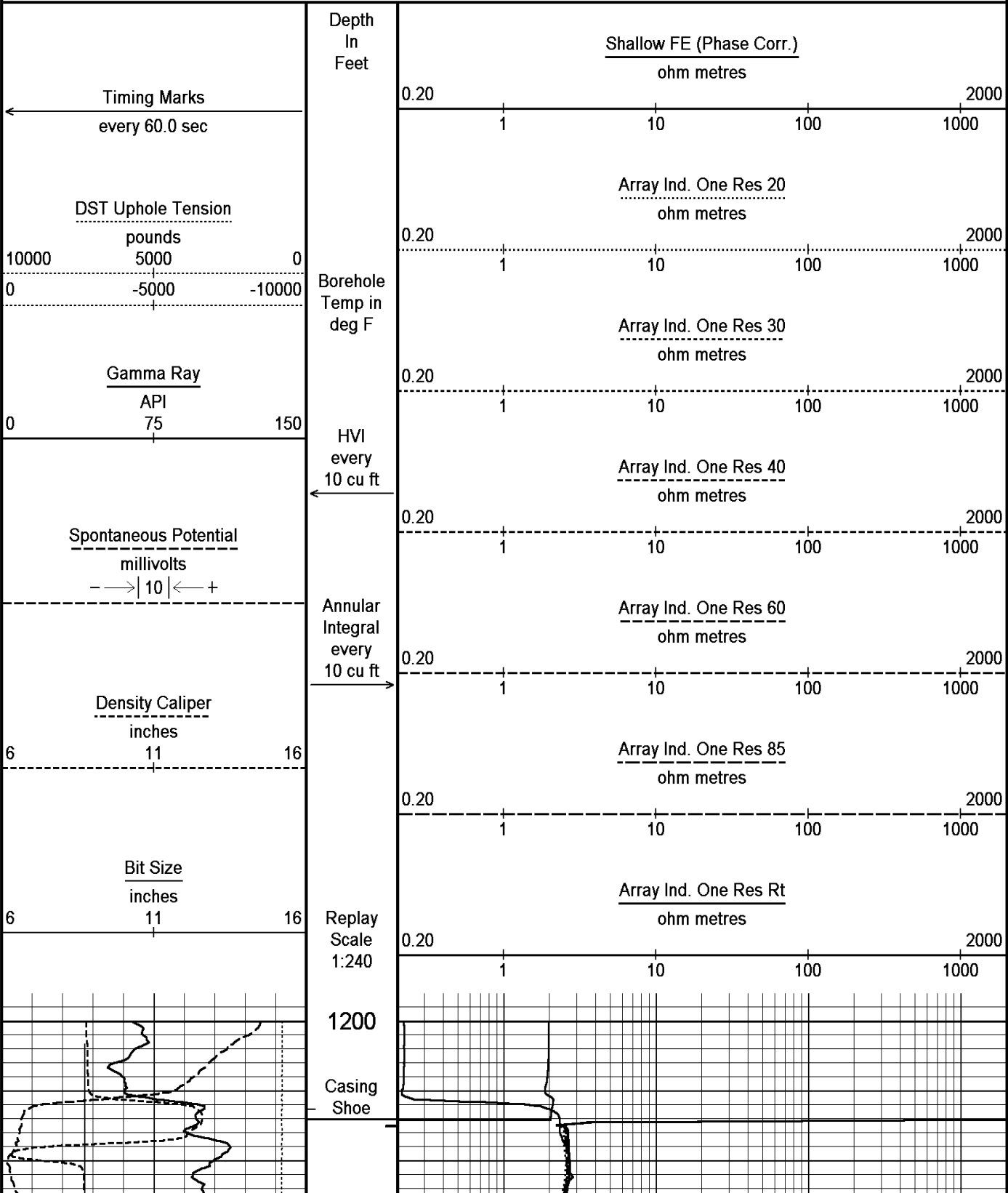
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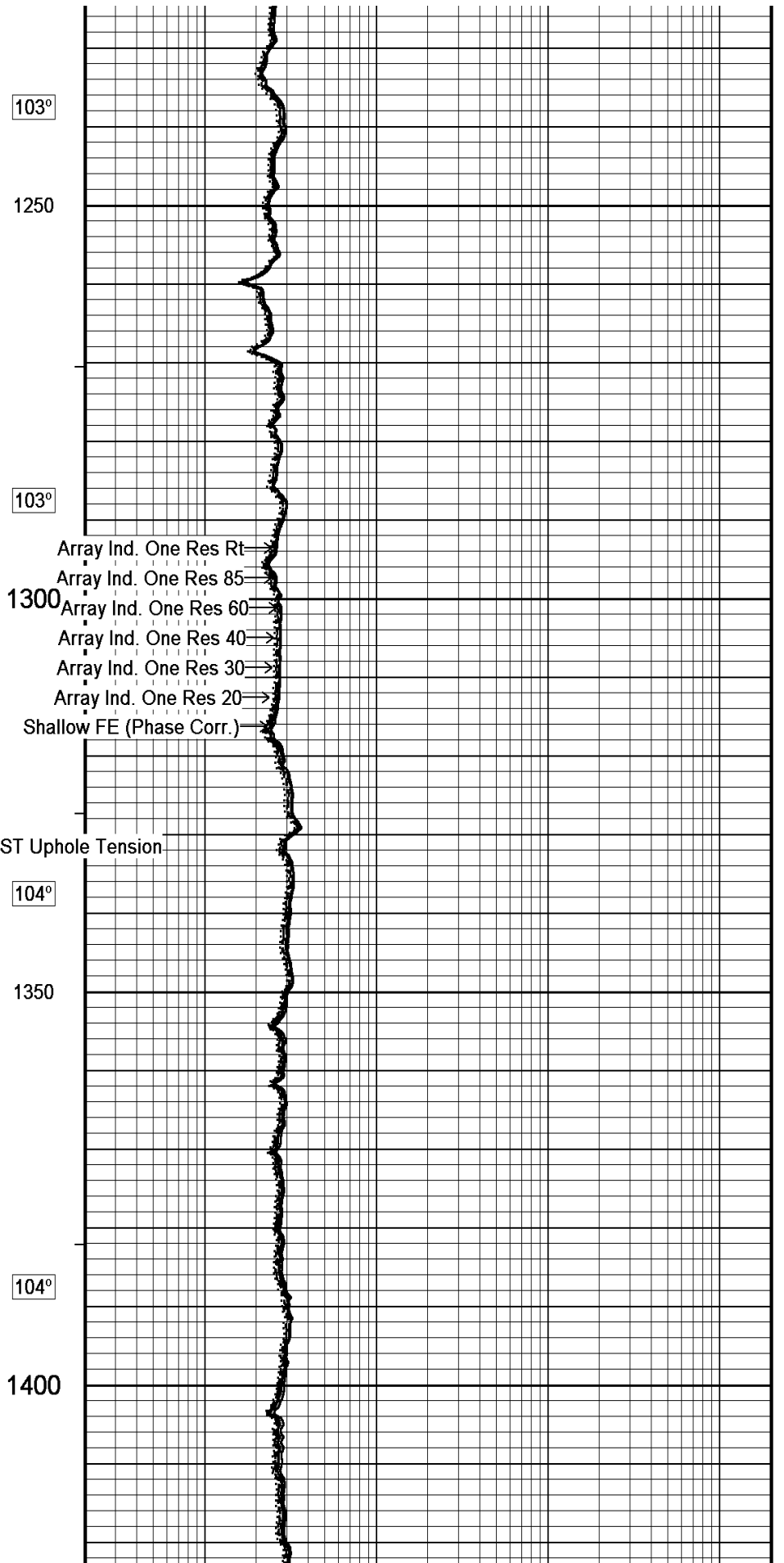
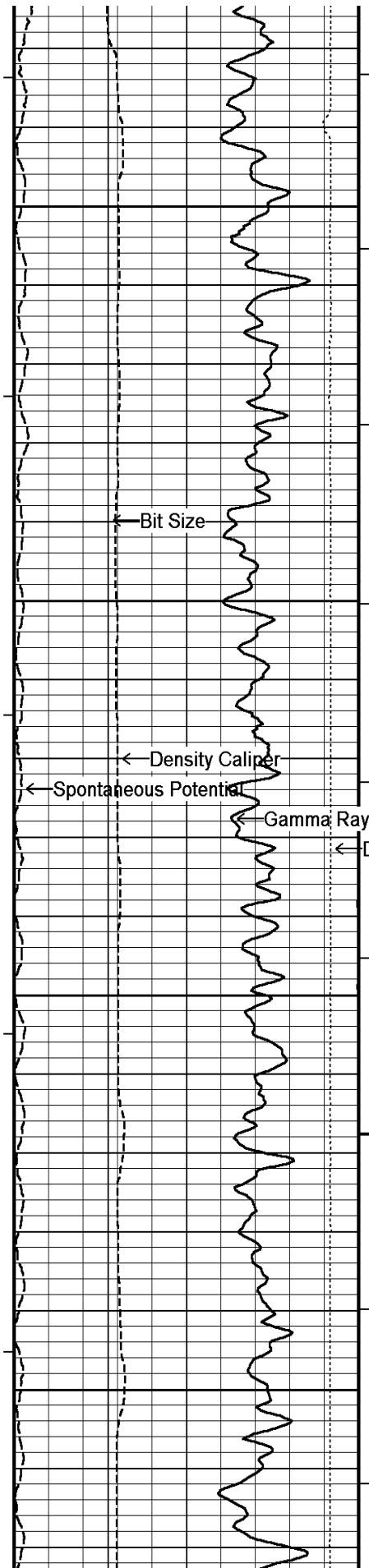
MAIN PASS

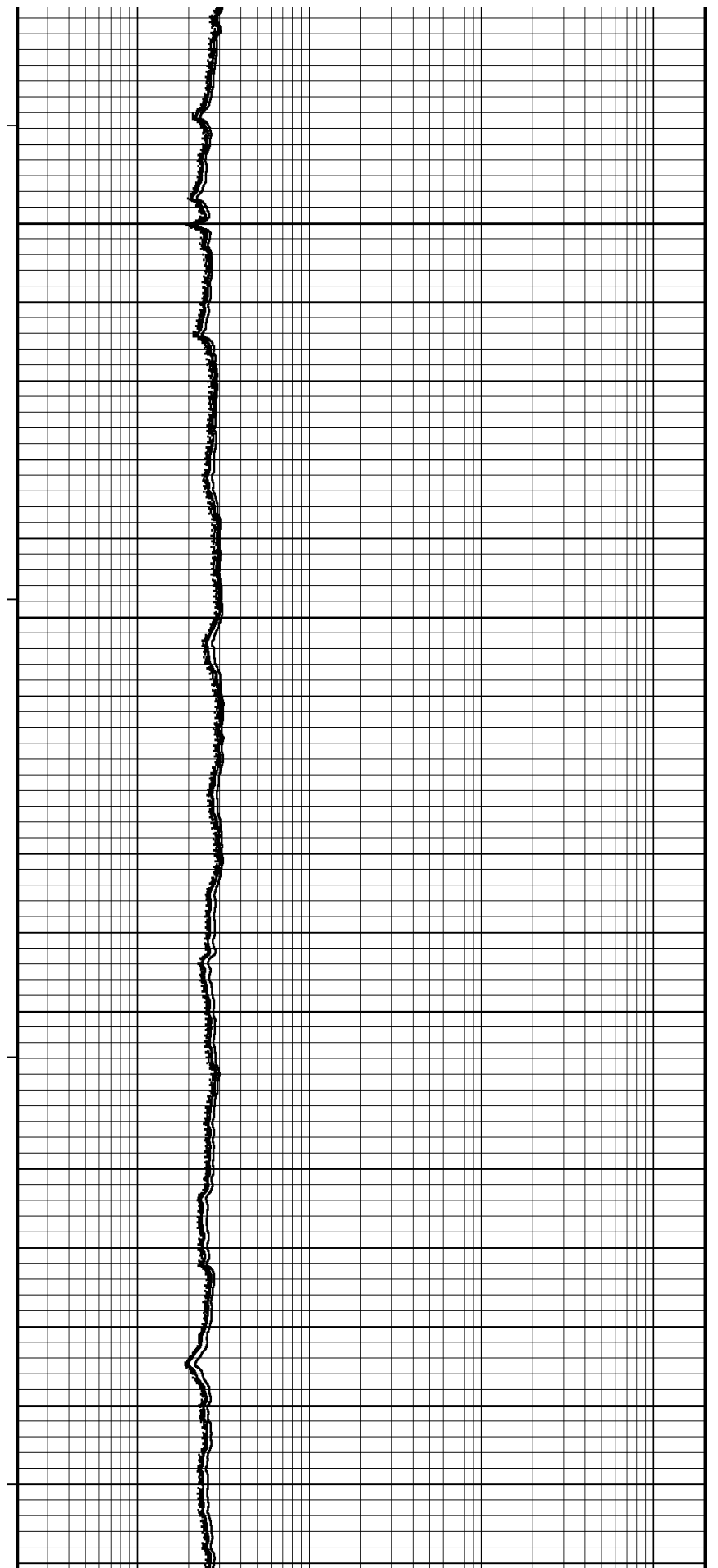
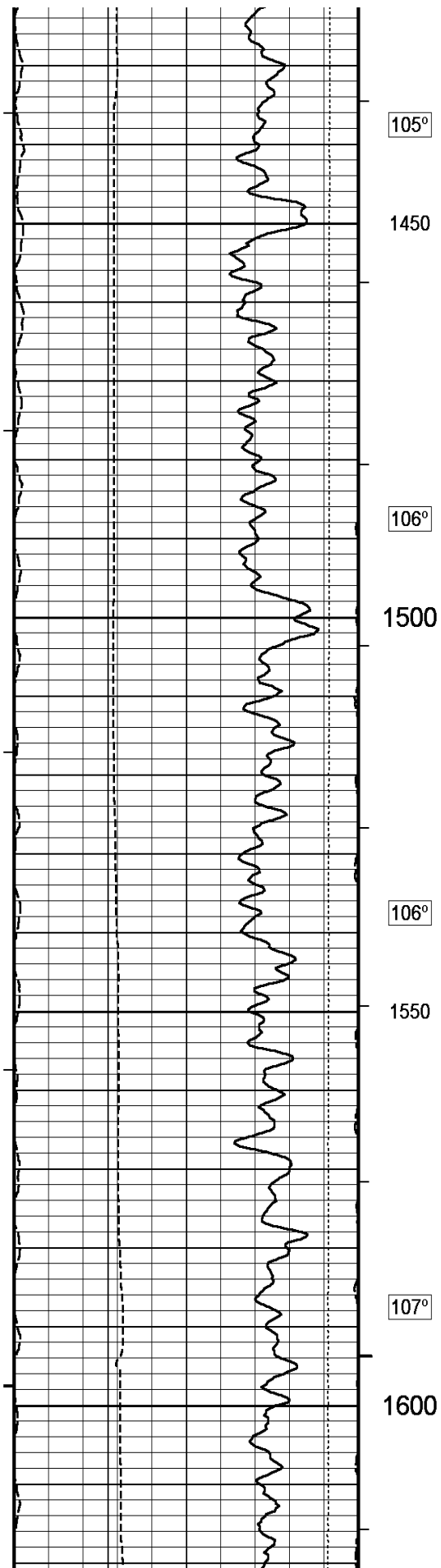
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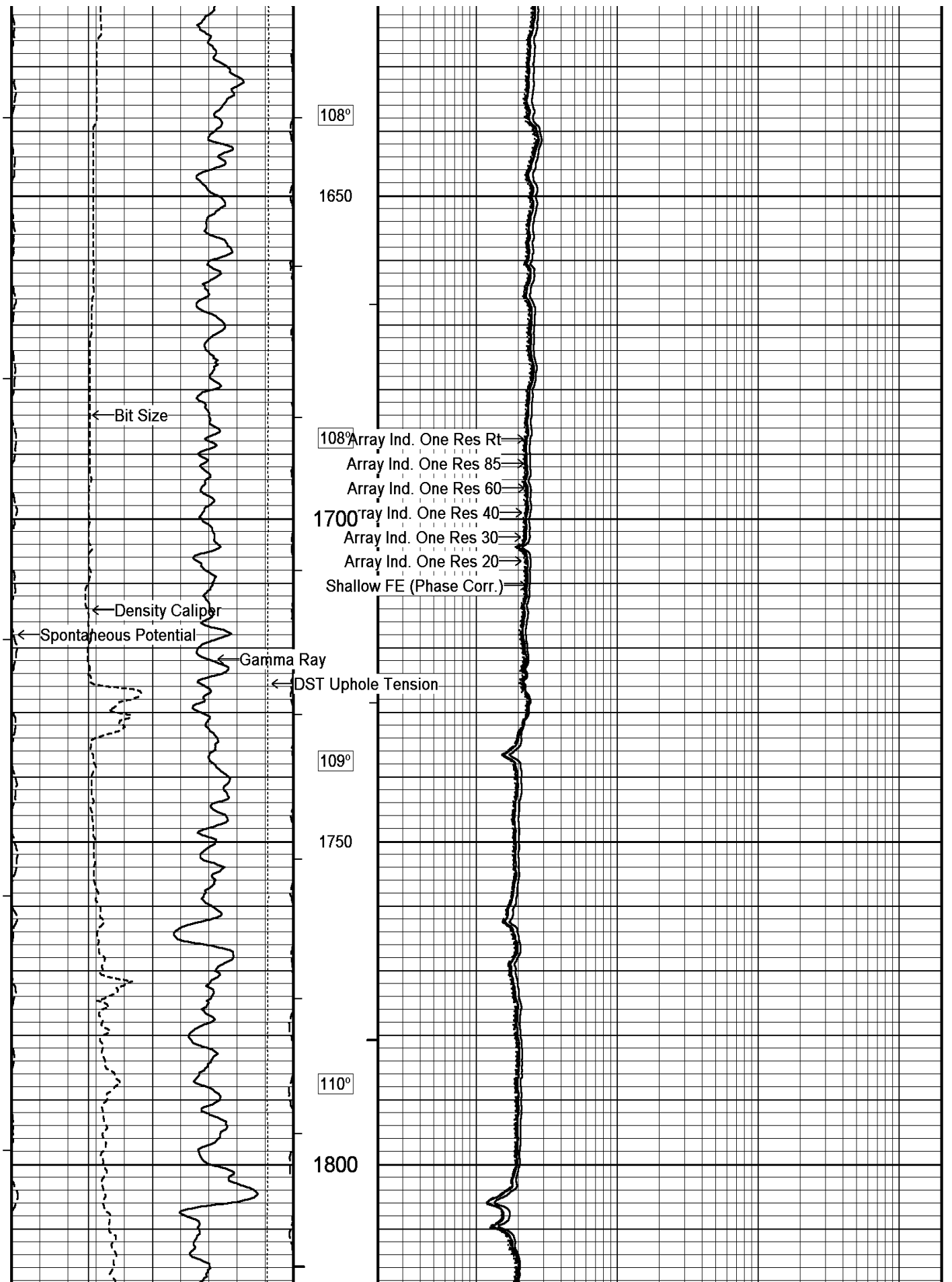
Depth Based Data - Maximum Sampling Increment 10.0cm  
 Filename: C:\Minimus\Logs\East Cheyenne Gas Storage LLC\...IECGS No 6-18 WPD011-2\_CMAIN.dta  
 System Versions:    Processed with 13.03.7779    Plotted with 13.03.7779

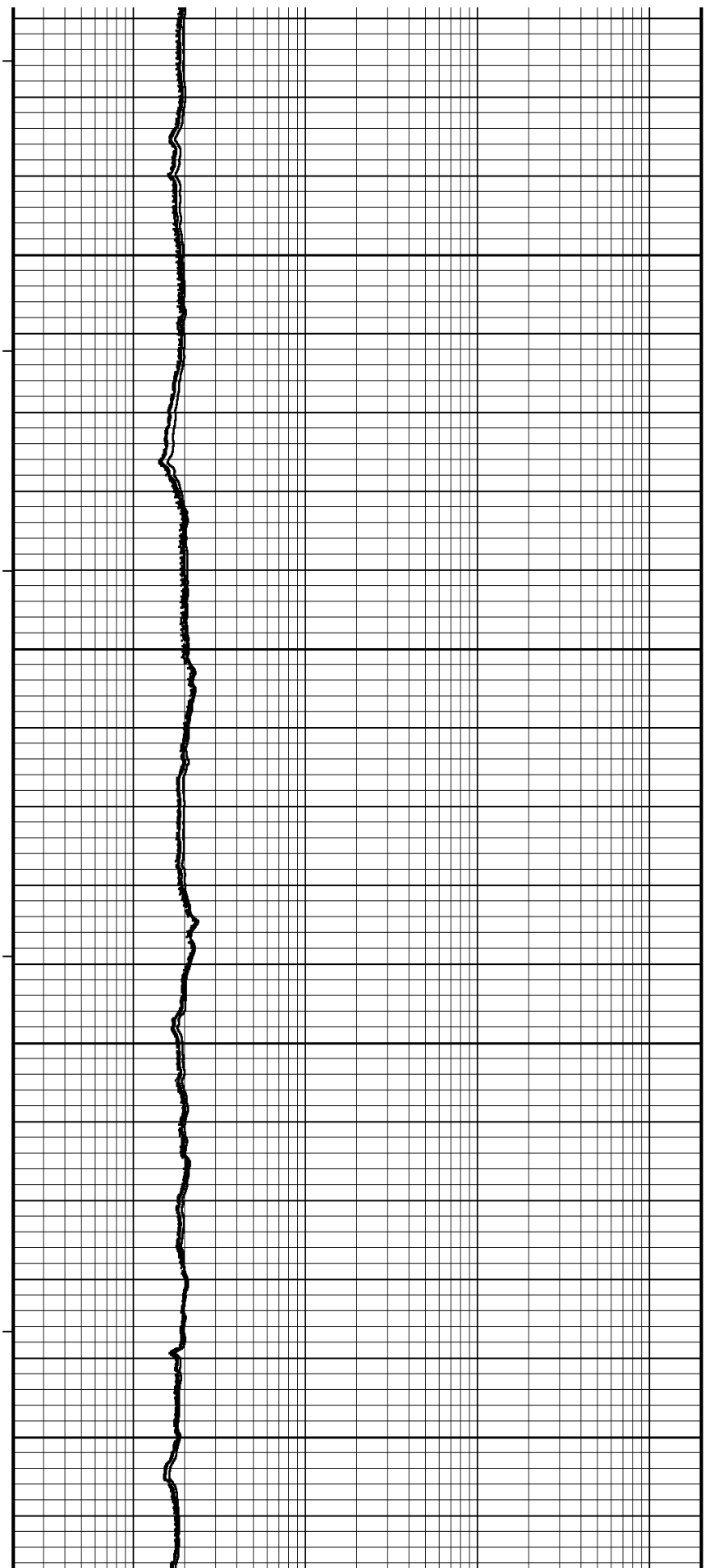
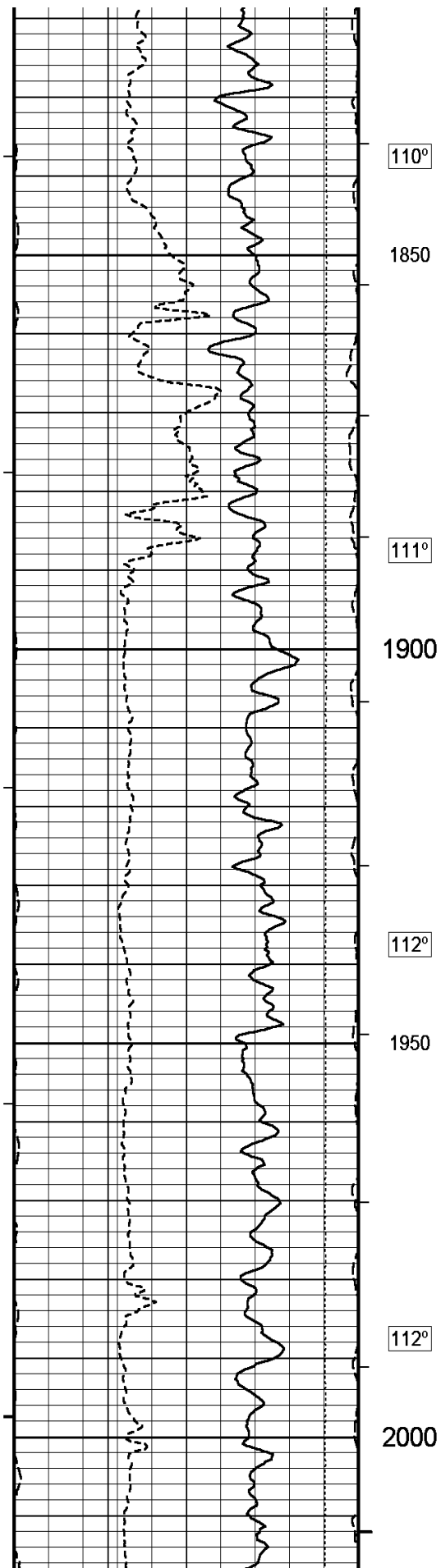
Plotted on 12-OCT-2012 10:20  
 Recorded on 12-OCT-2012 04:59



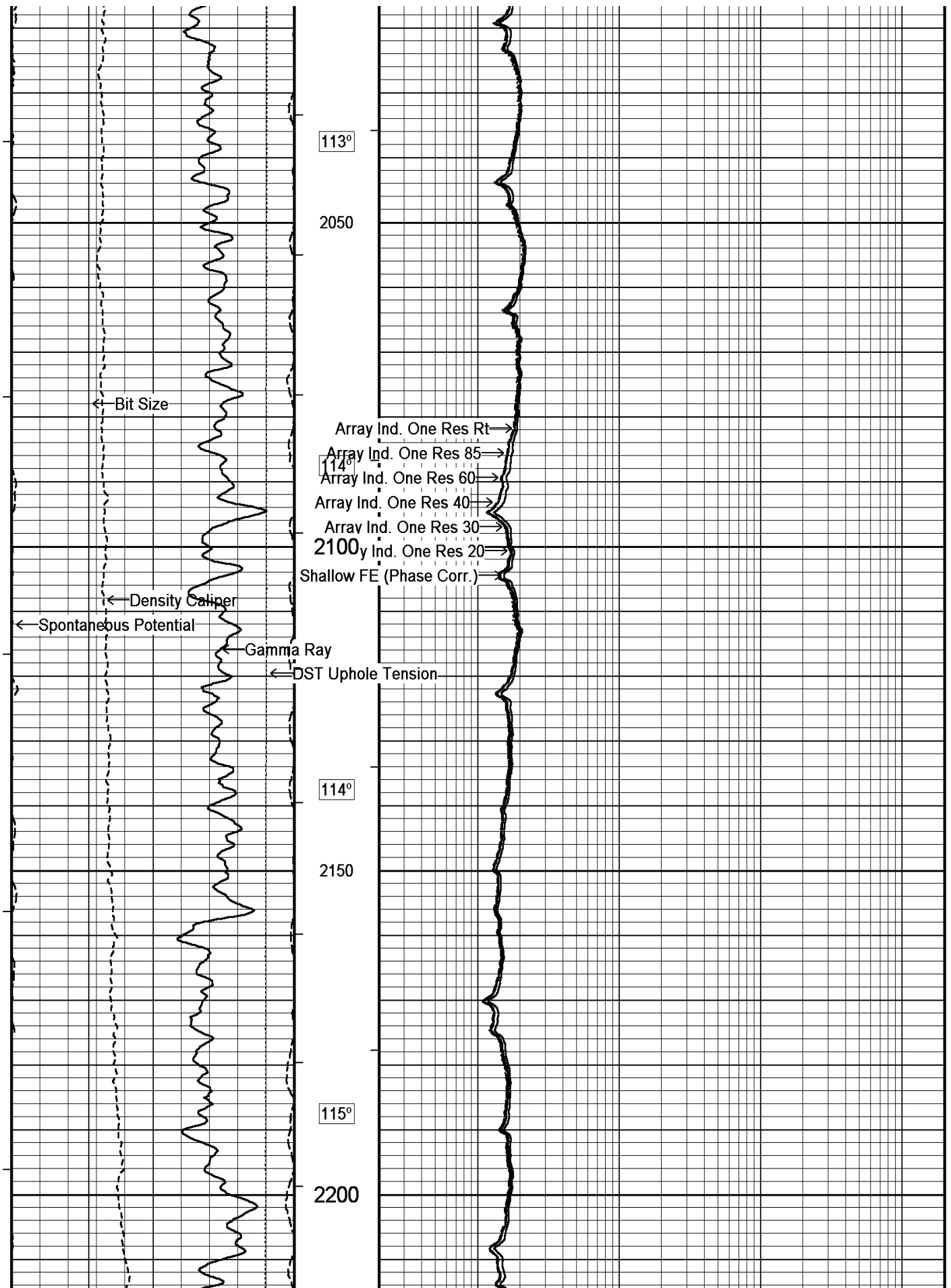


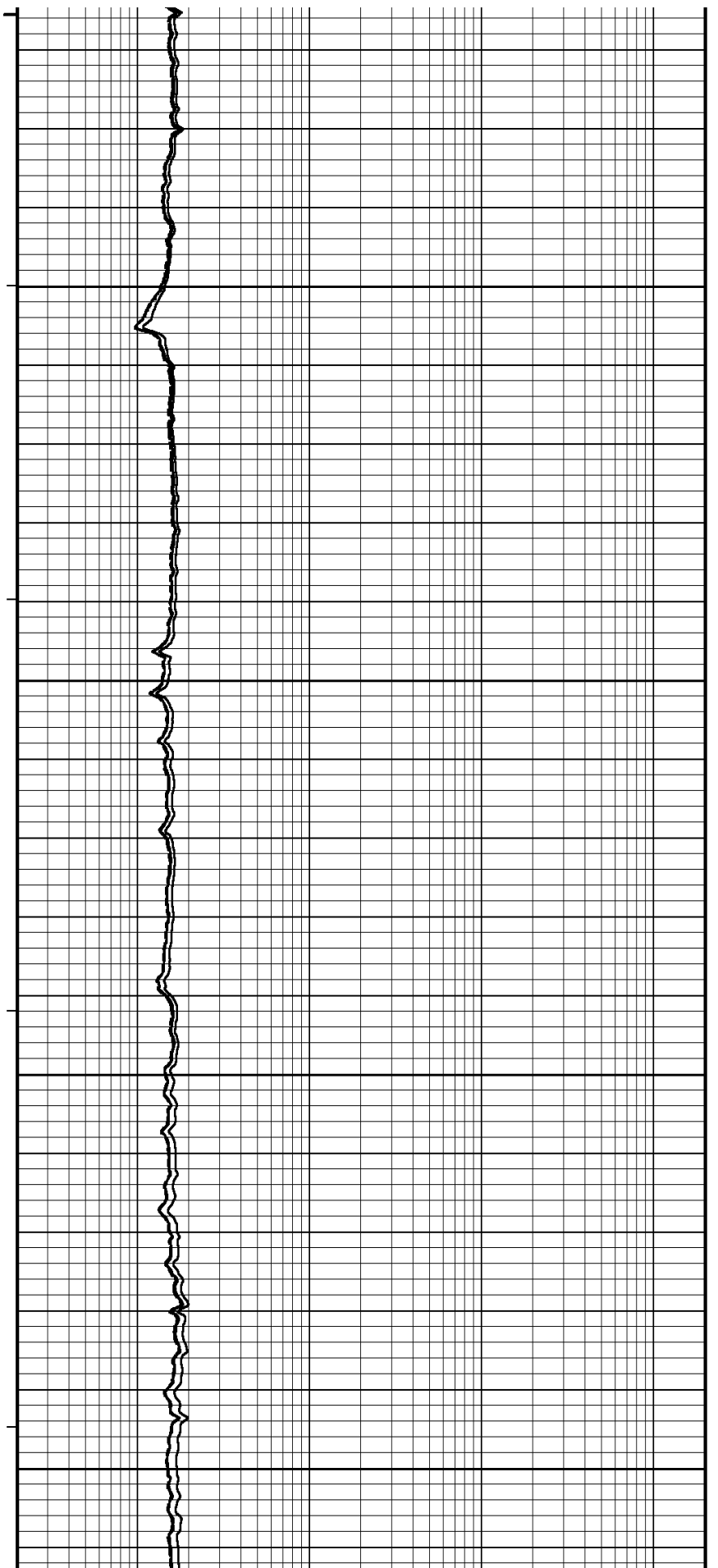
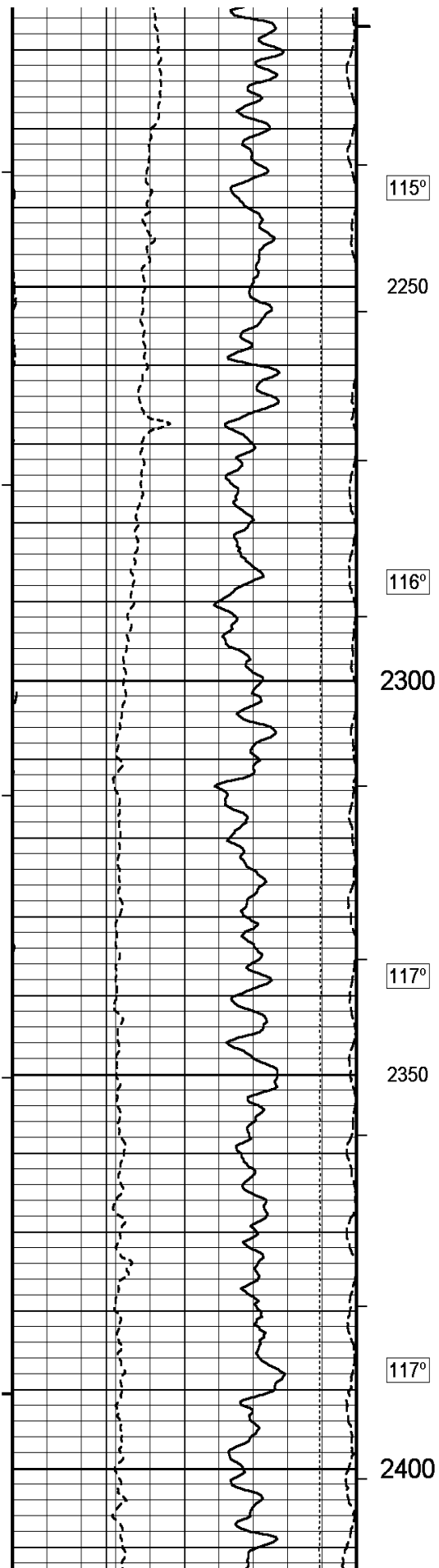


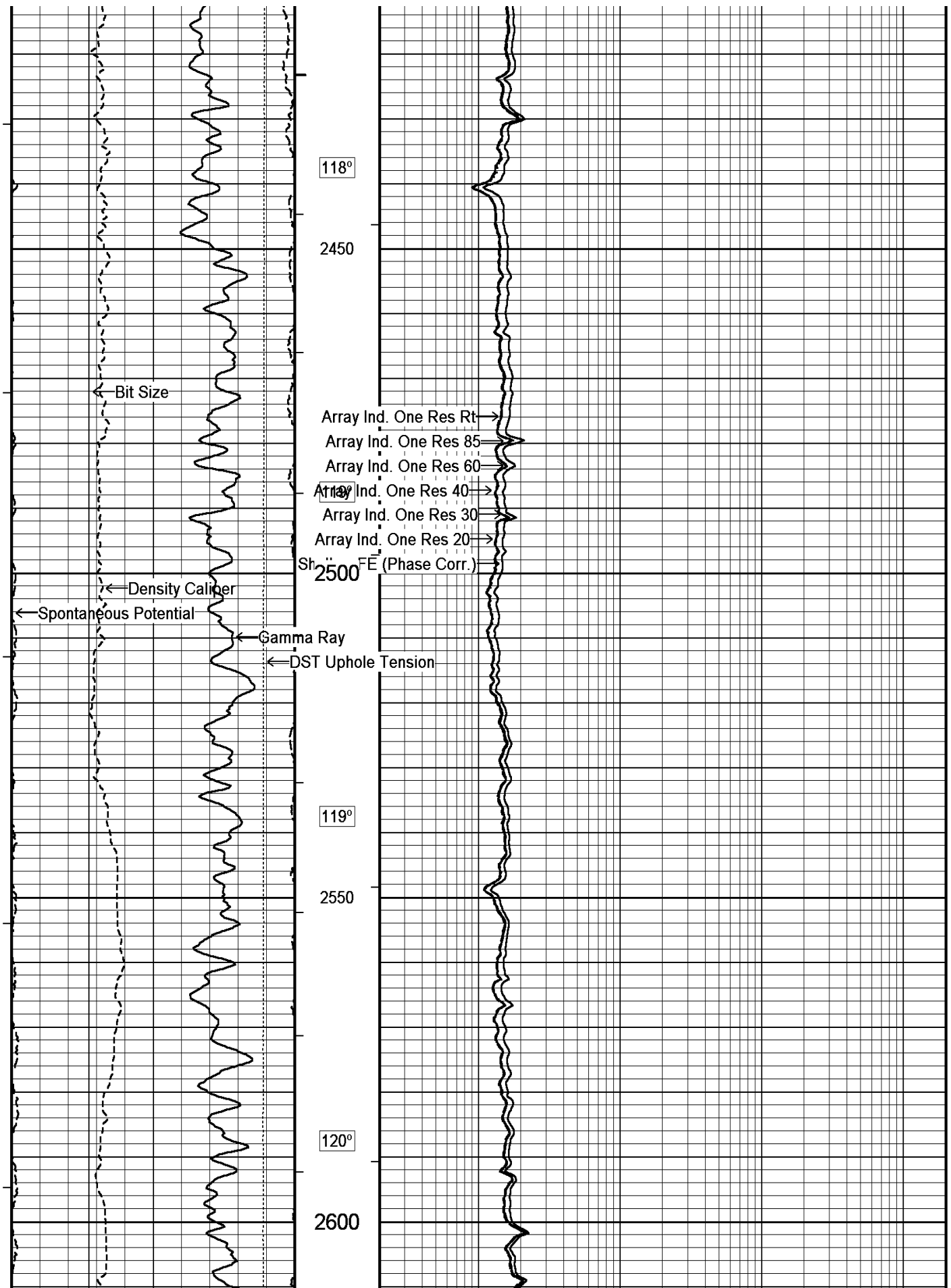


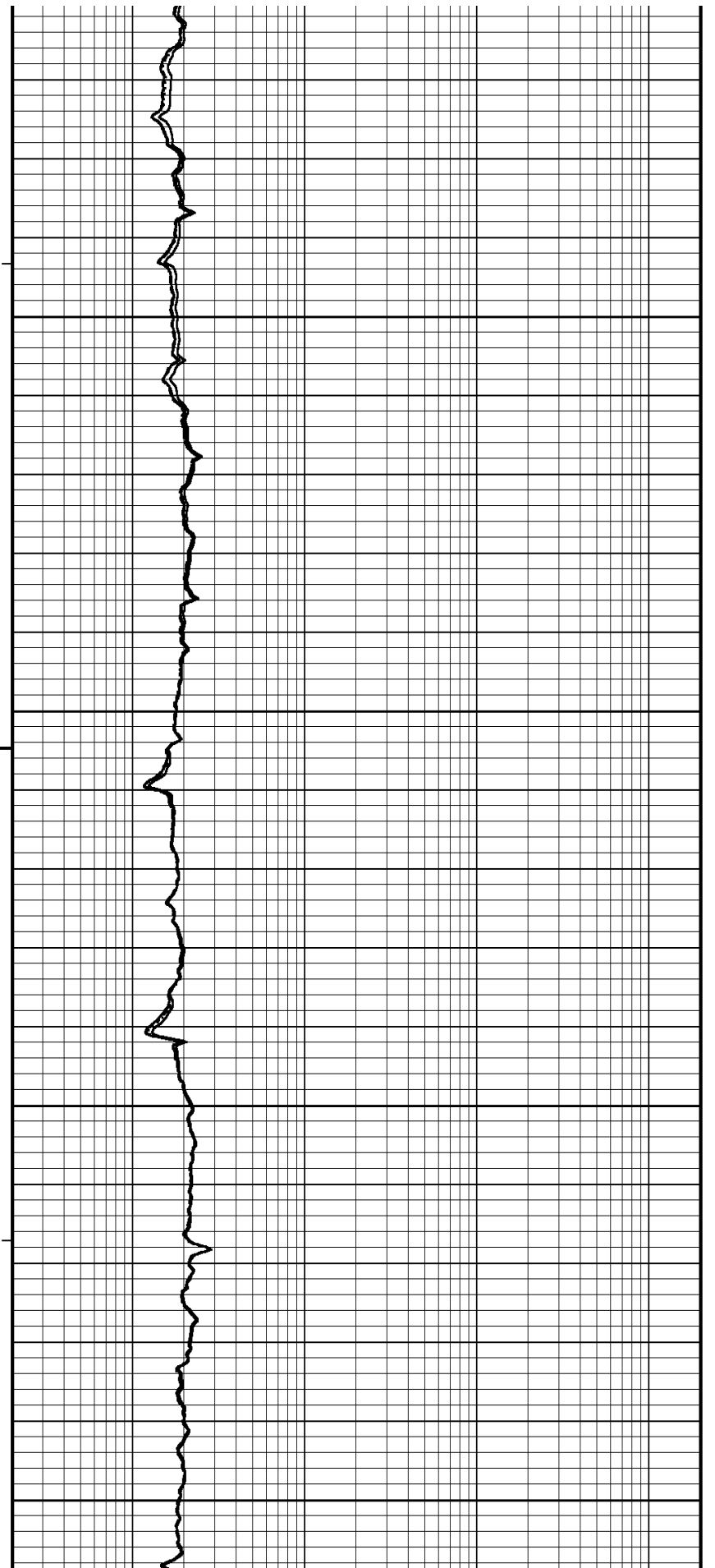
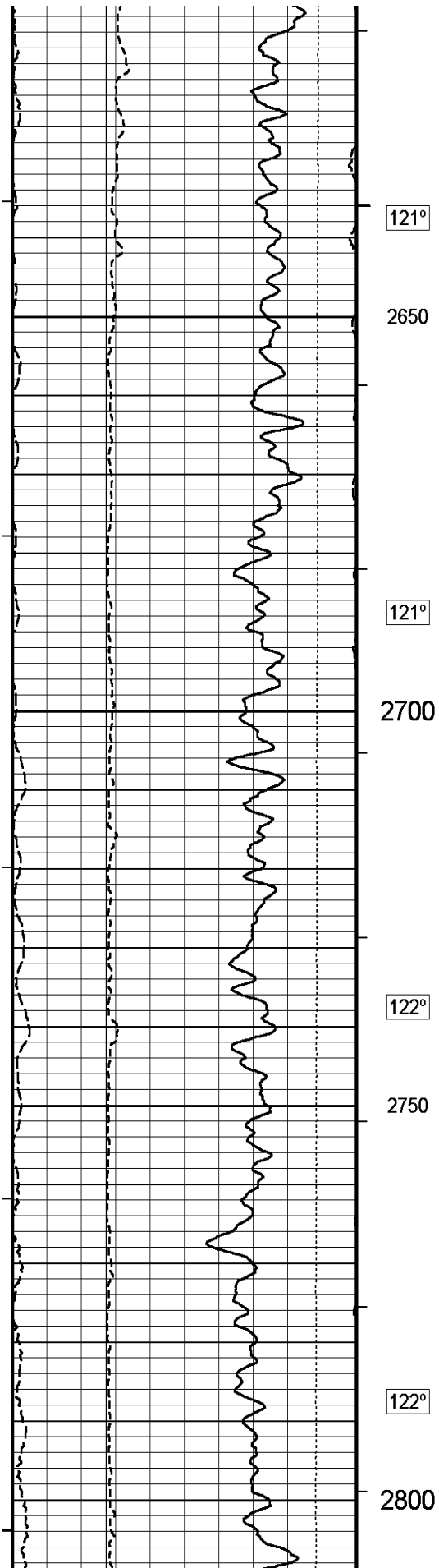


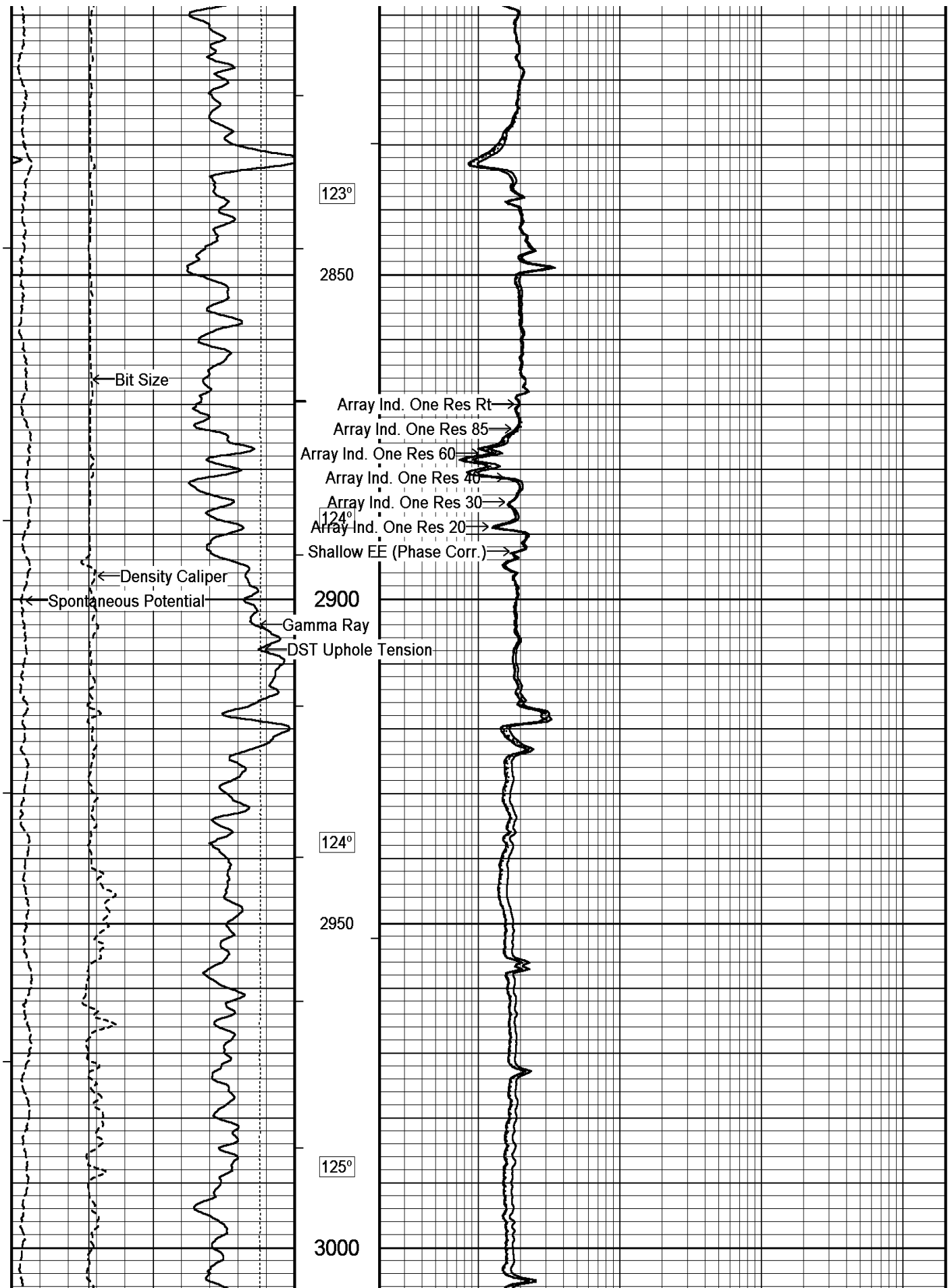


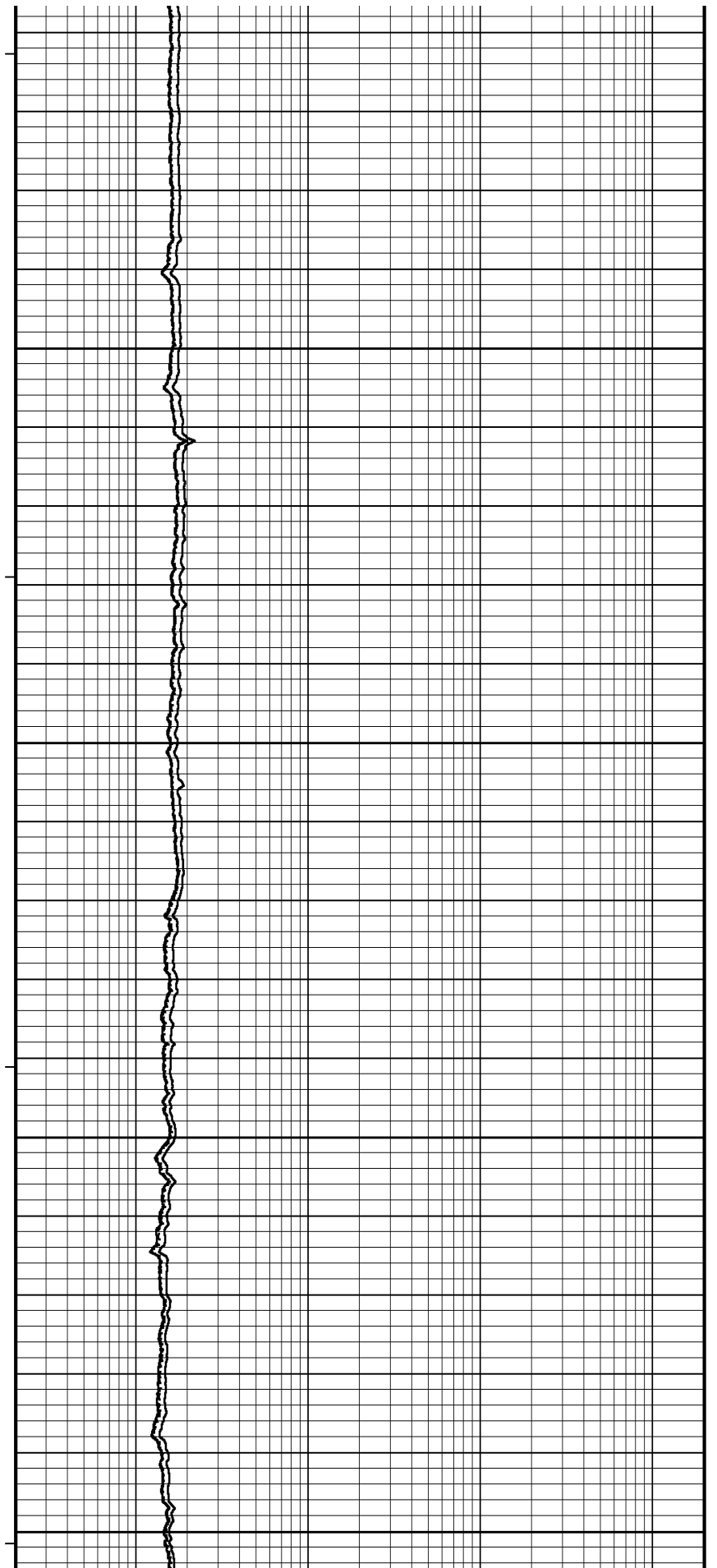
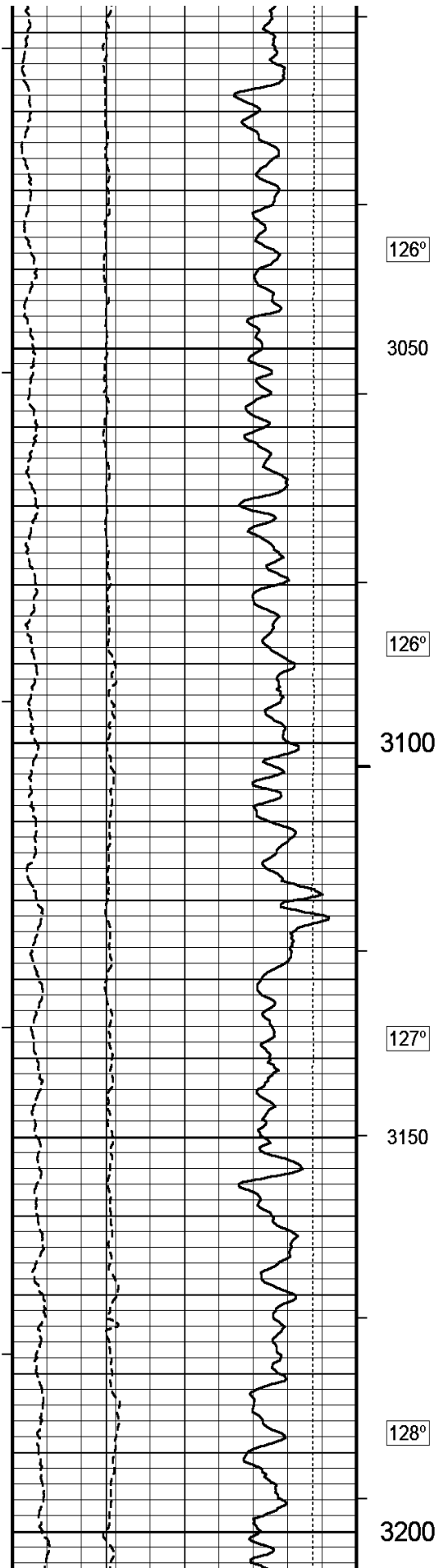


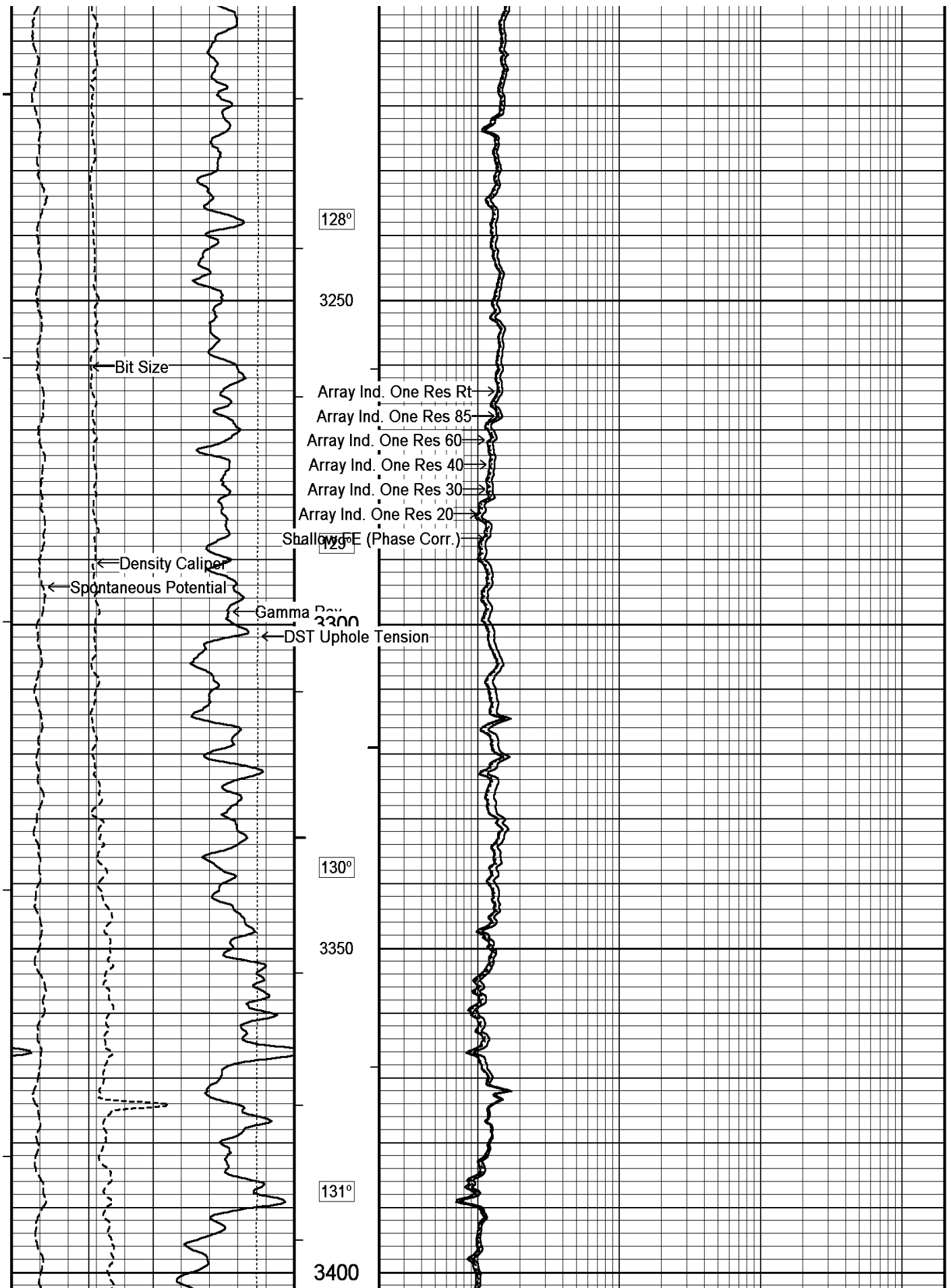


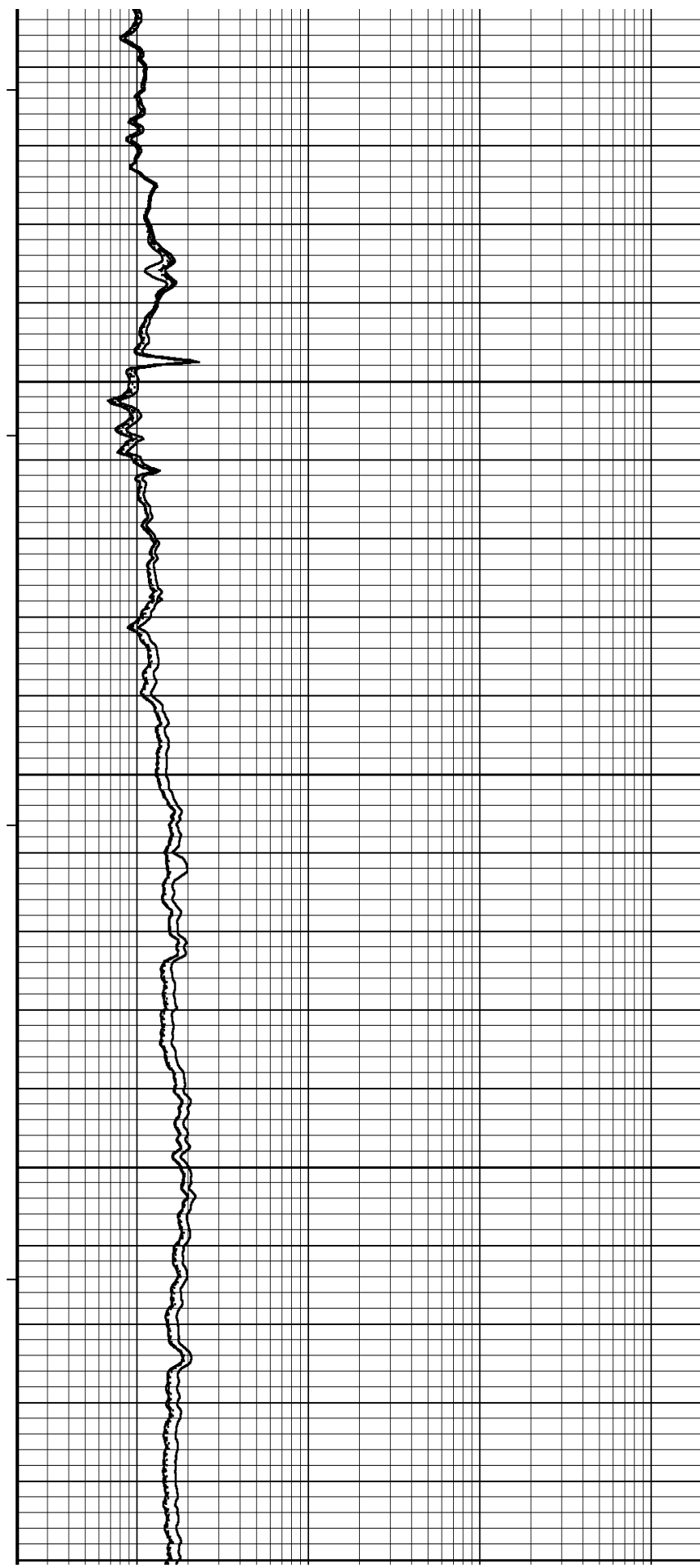
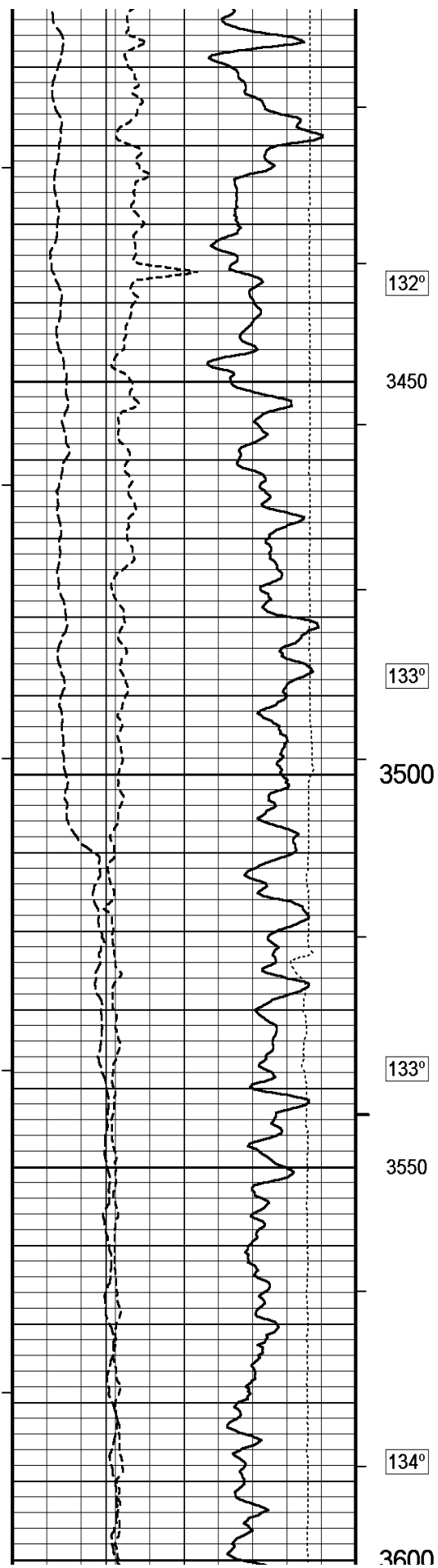




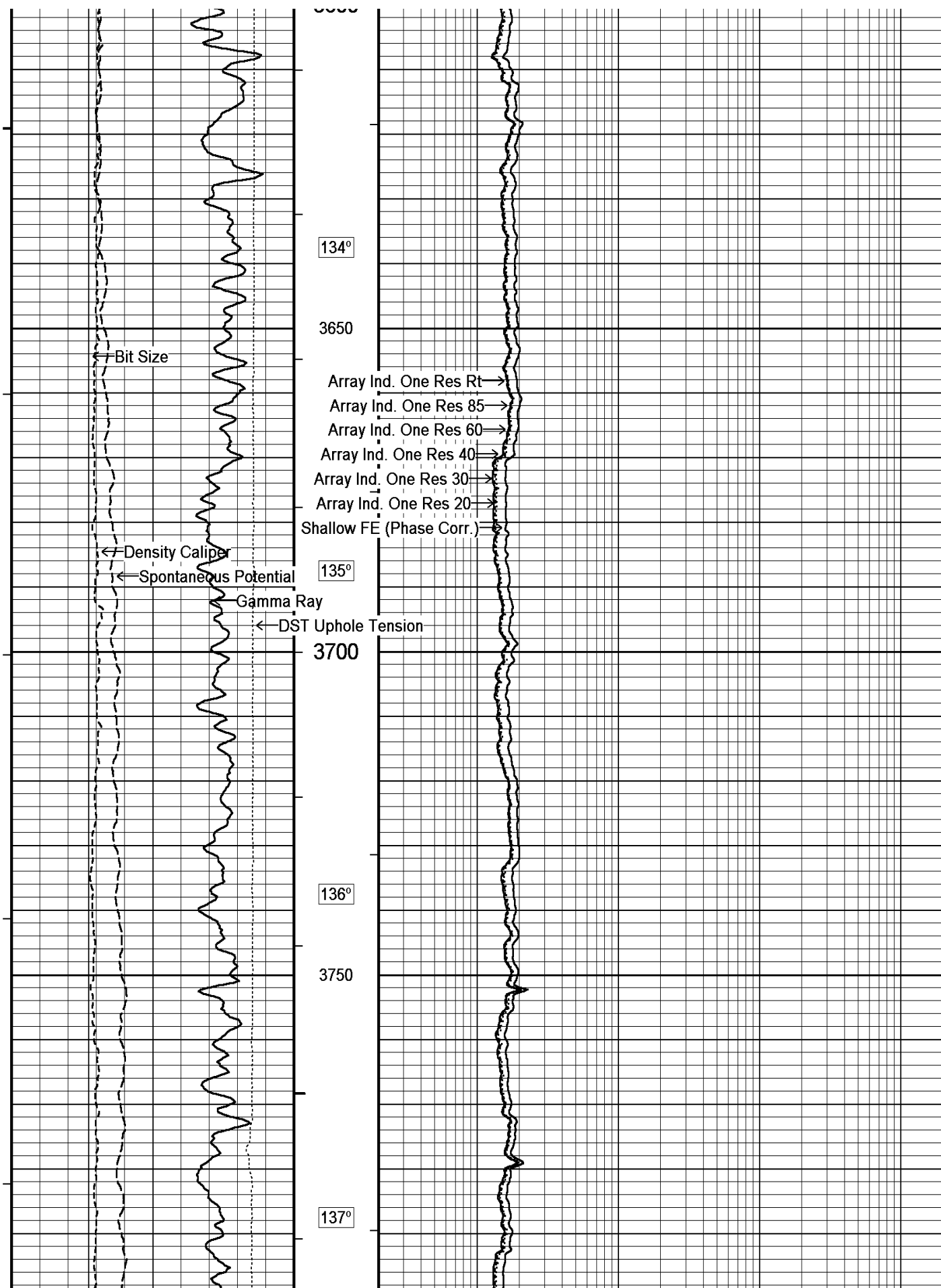


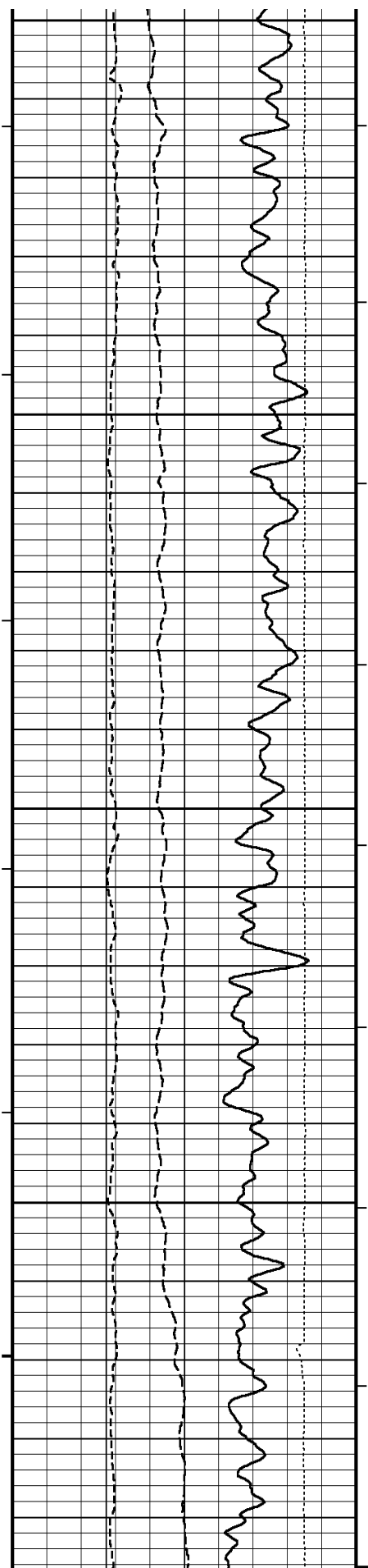












3800

137°

3850

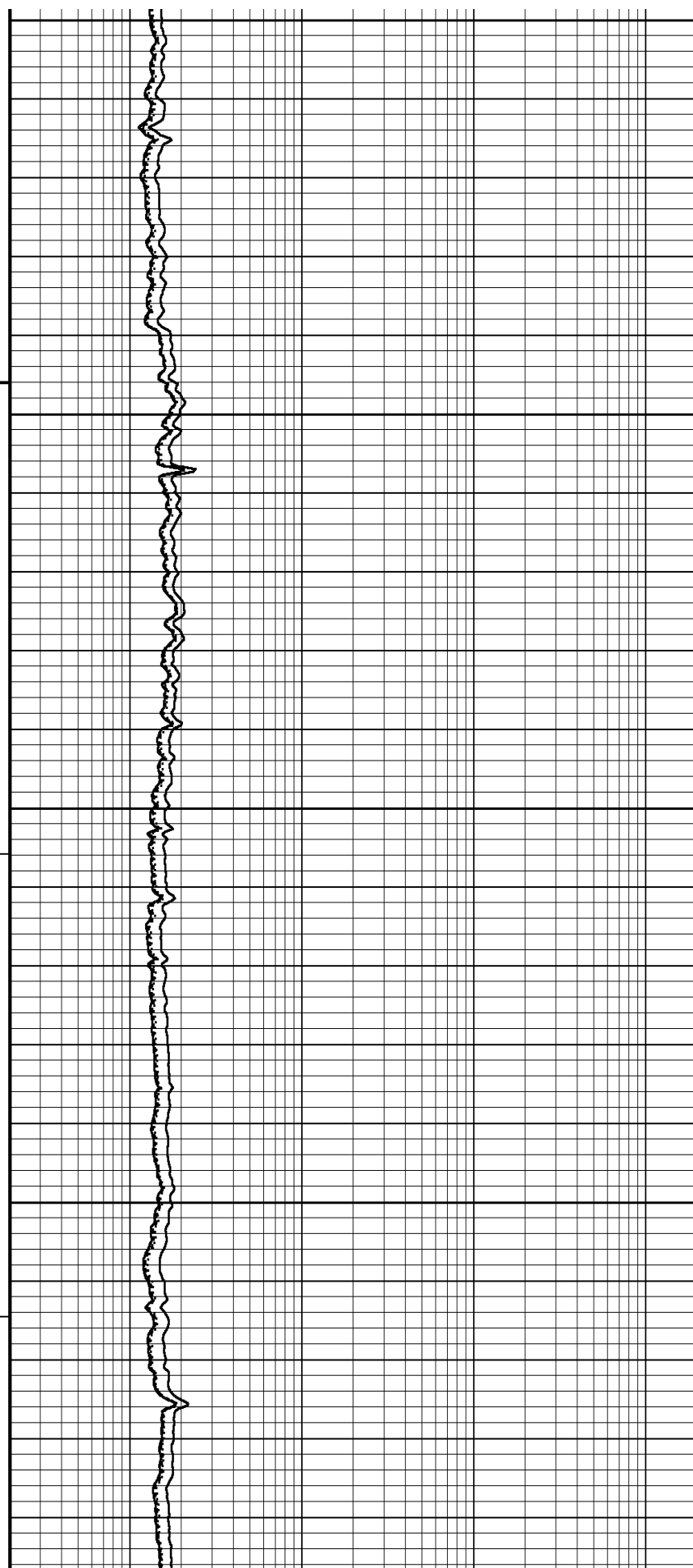
138°

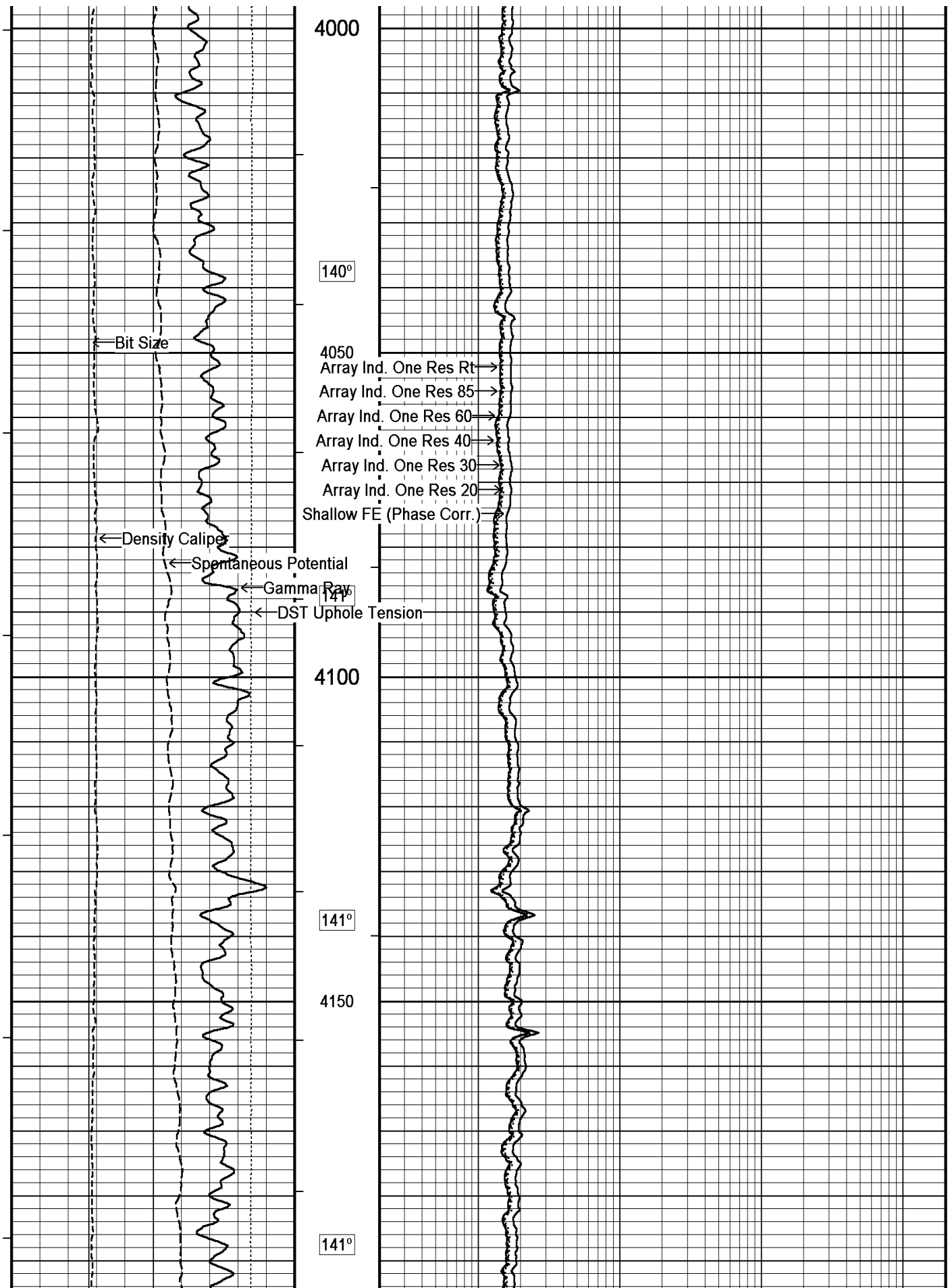
3900

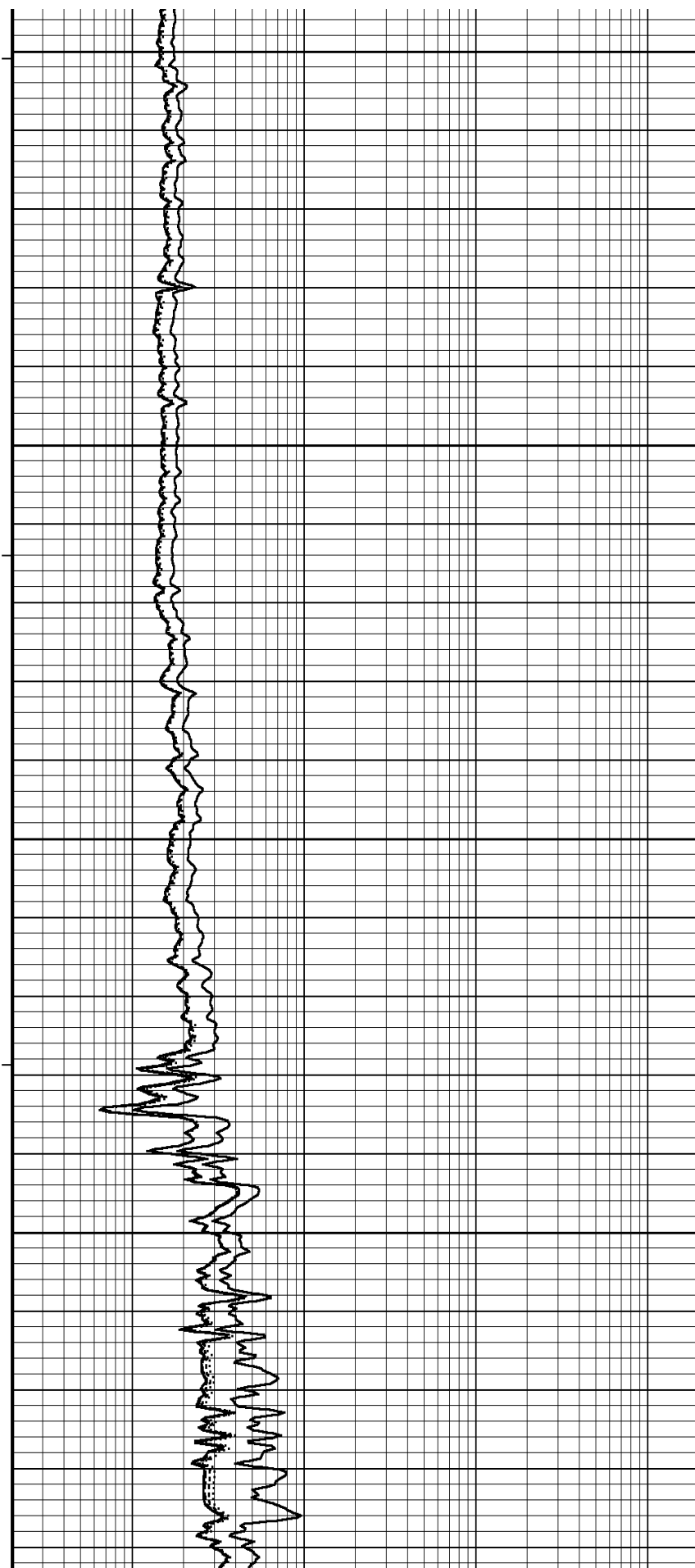
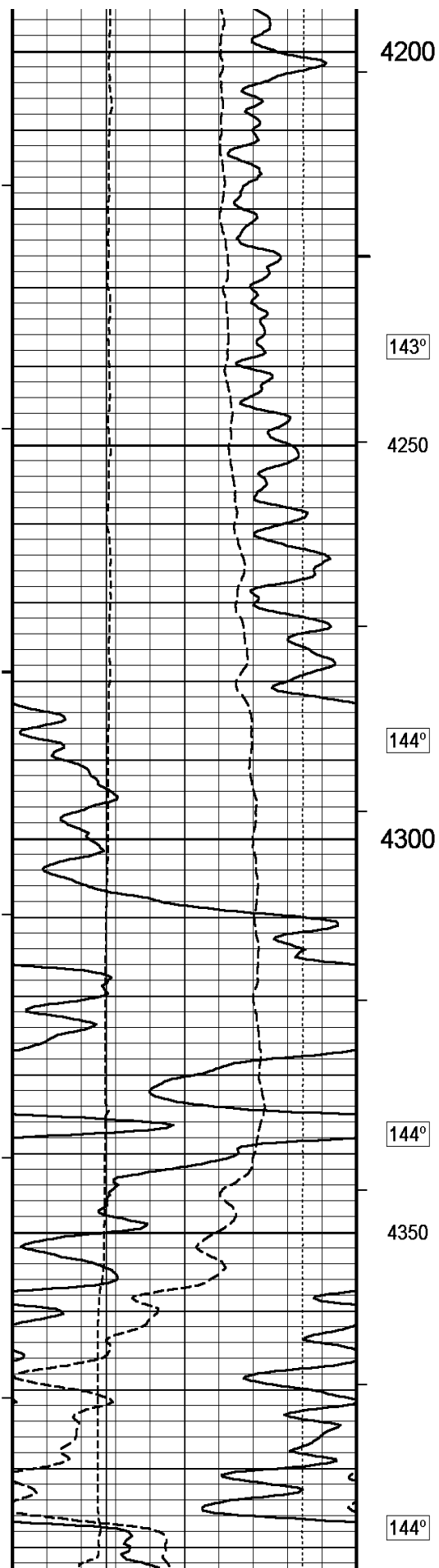
139°

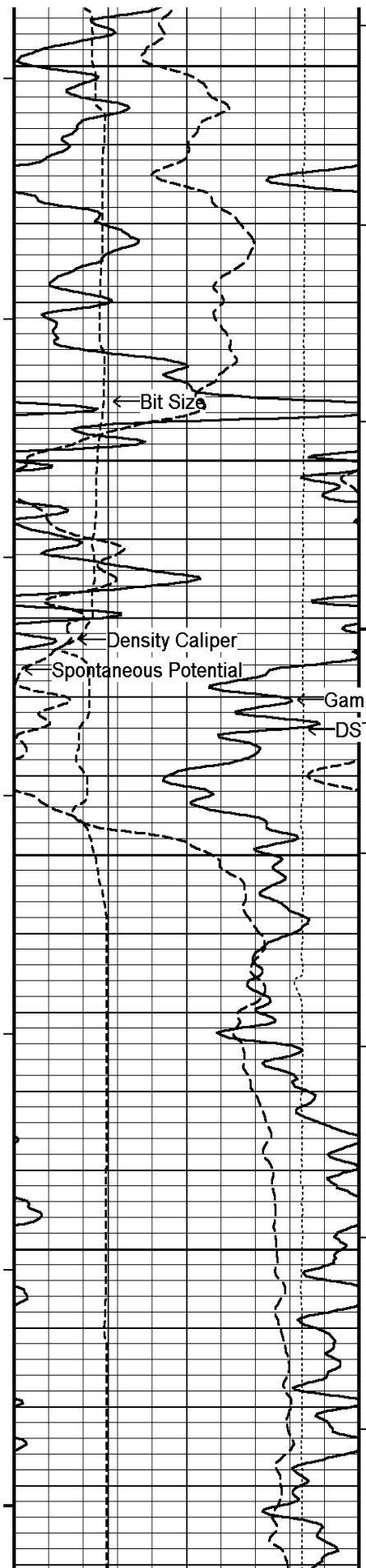
3950

139°









4400

144°

4450

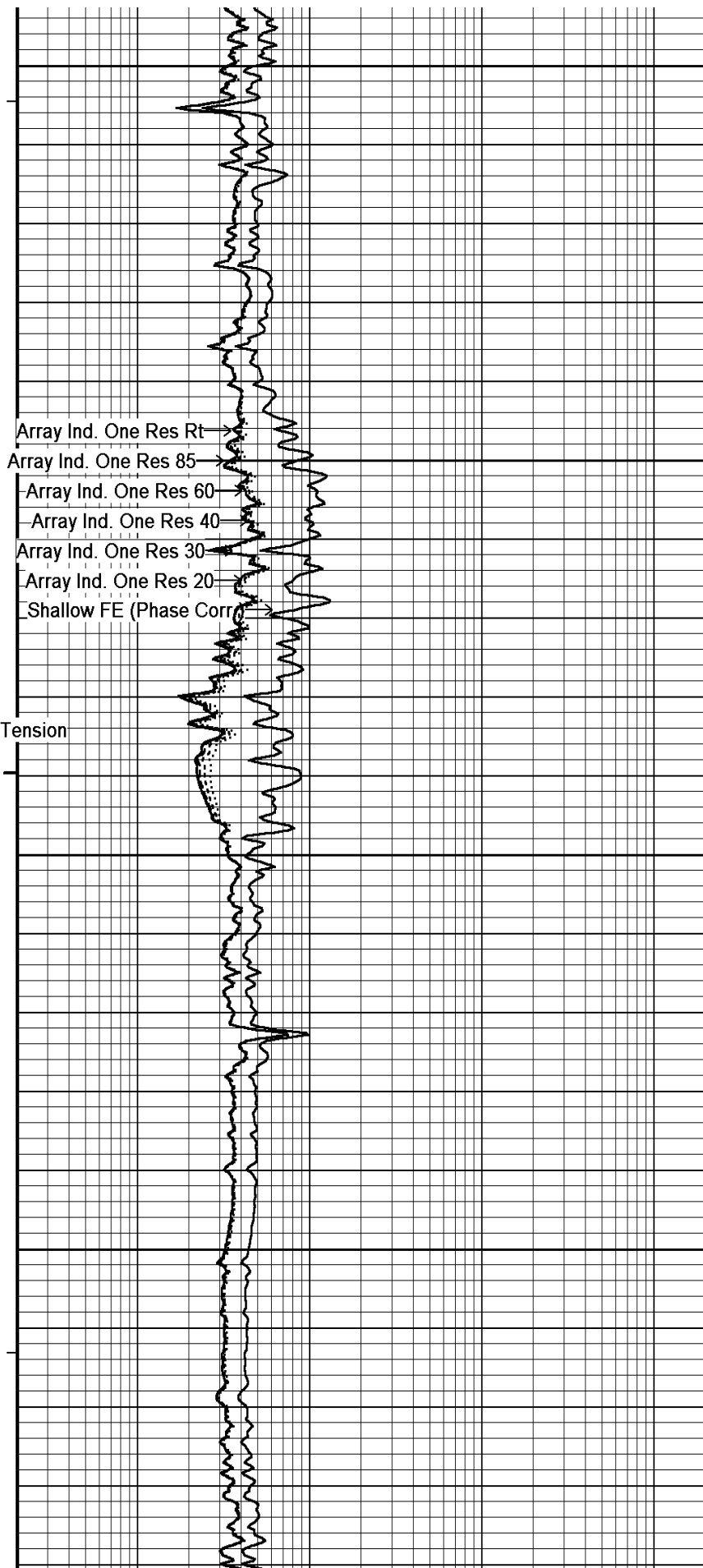
145°

4500

146°

4550

146°



Array Ind. One Res Rt

Array Ind. One Res 85

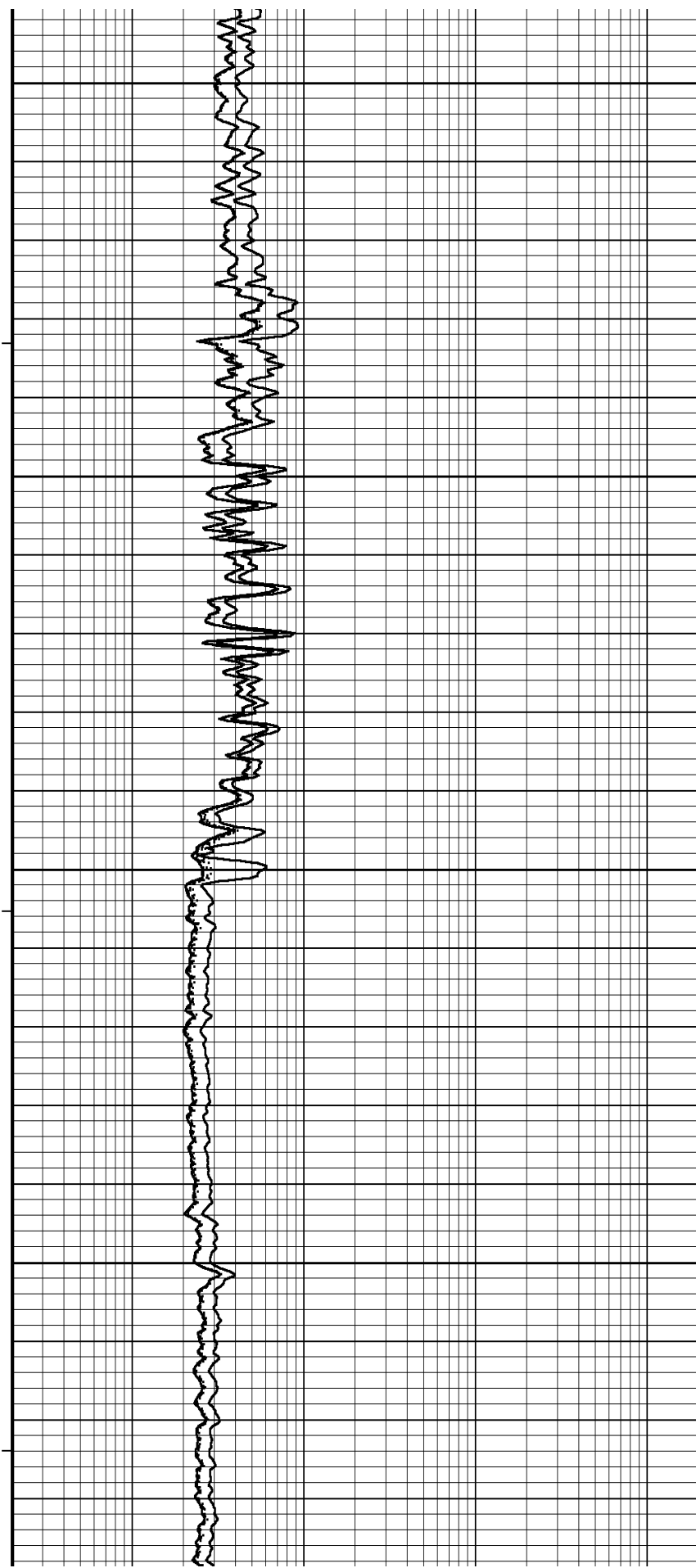
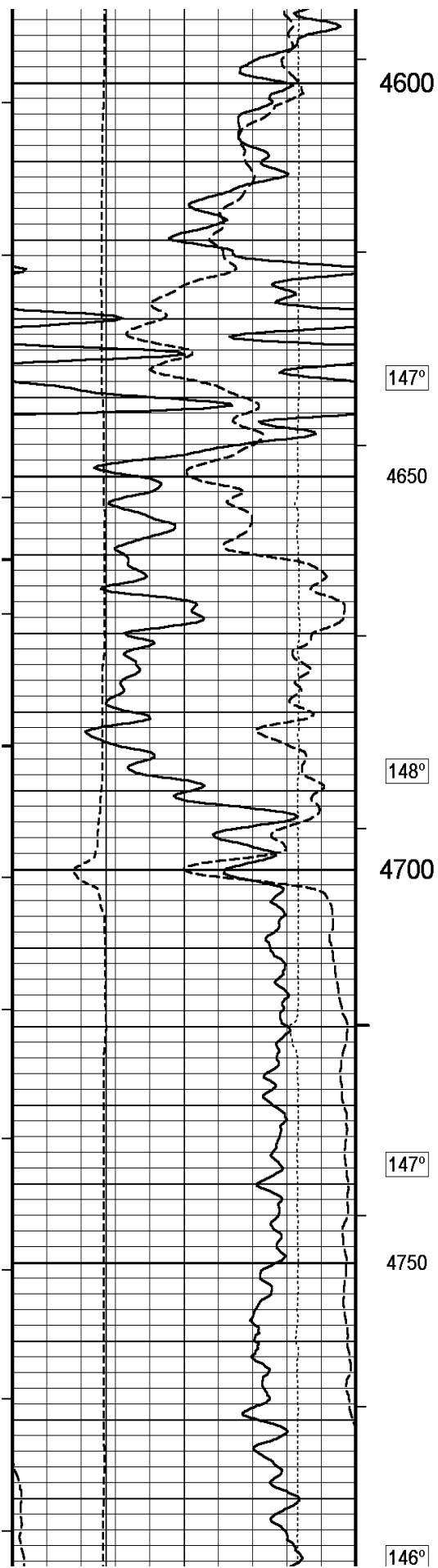
Array Ind. One Res 60

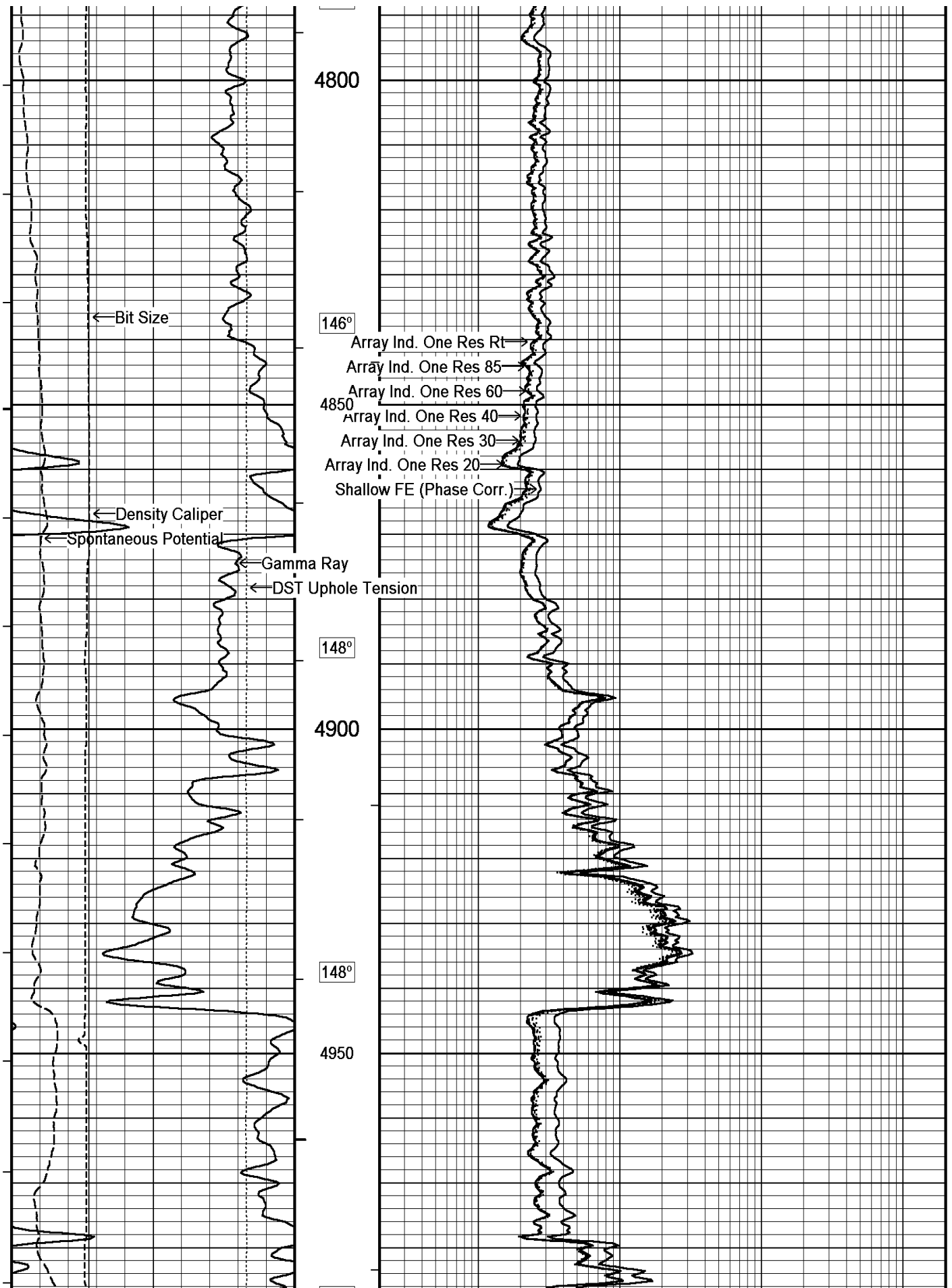
Array Ind. One Res 40

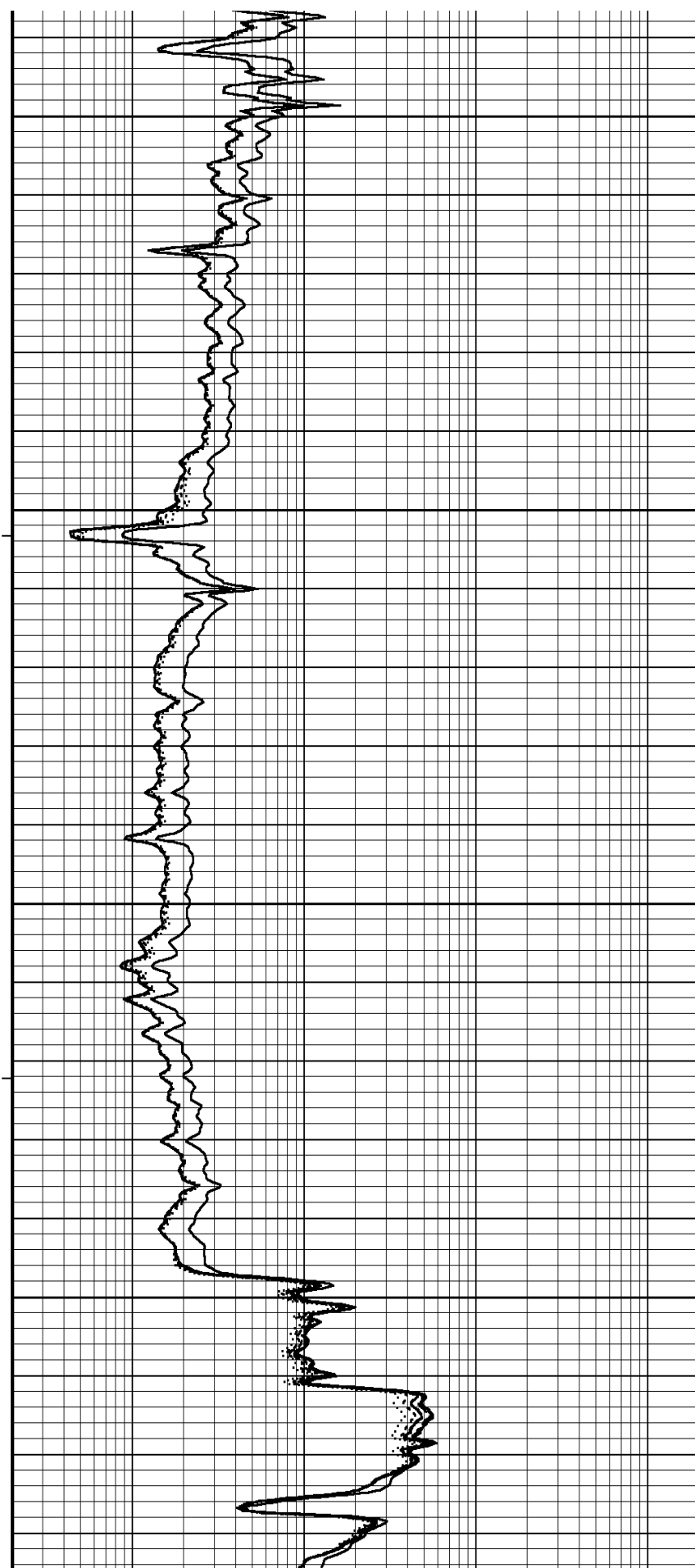
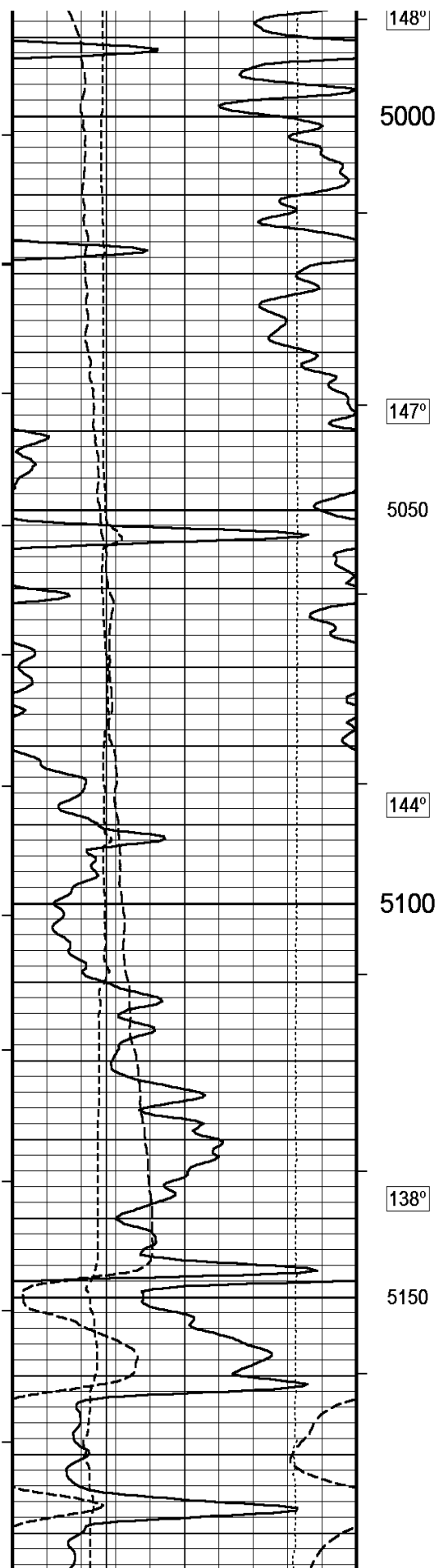
Array Ind. One Res 30

Array Ind. One Res 20

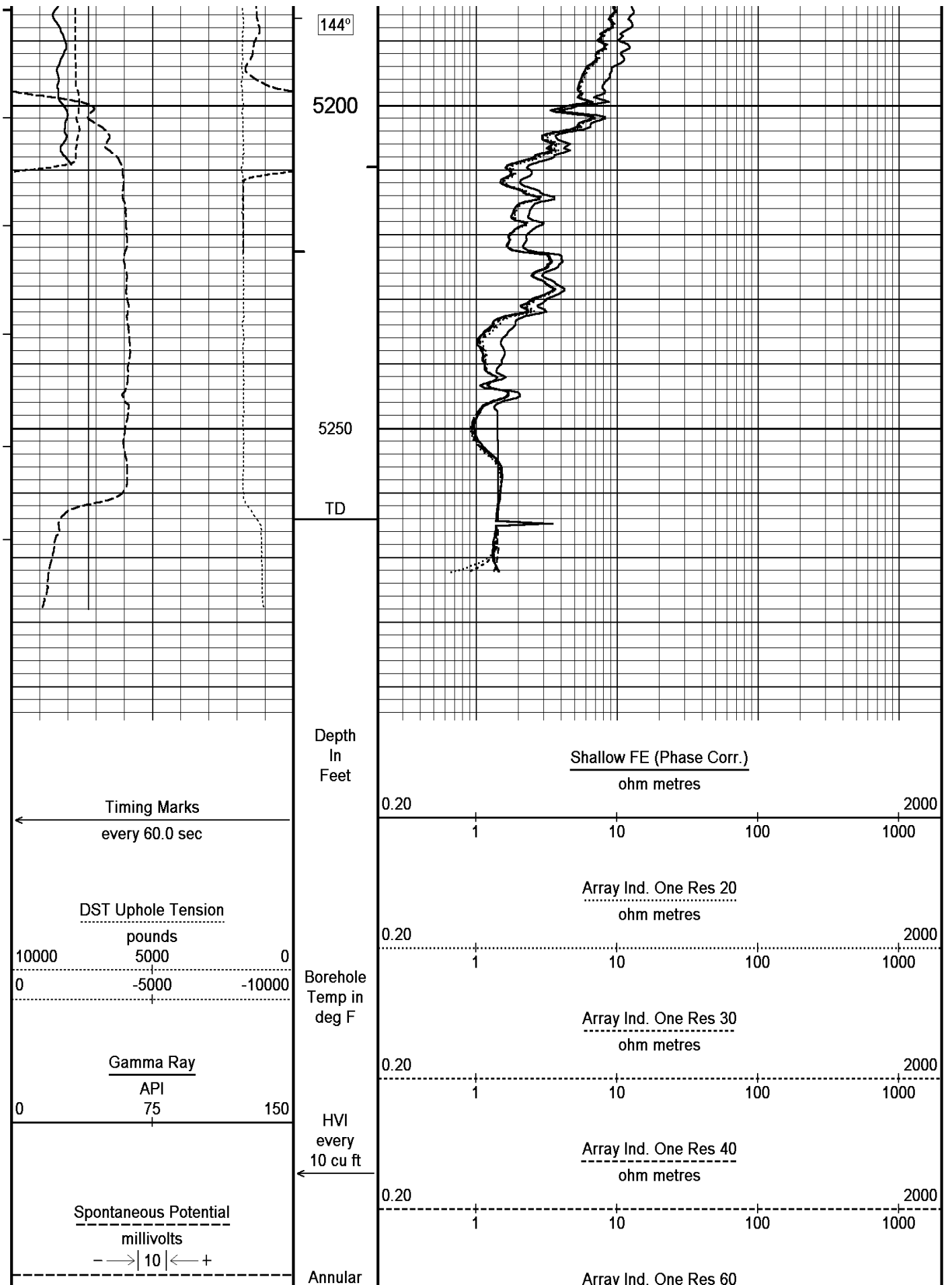
Shallow FE (Phase Corr)

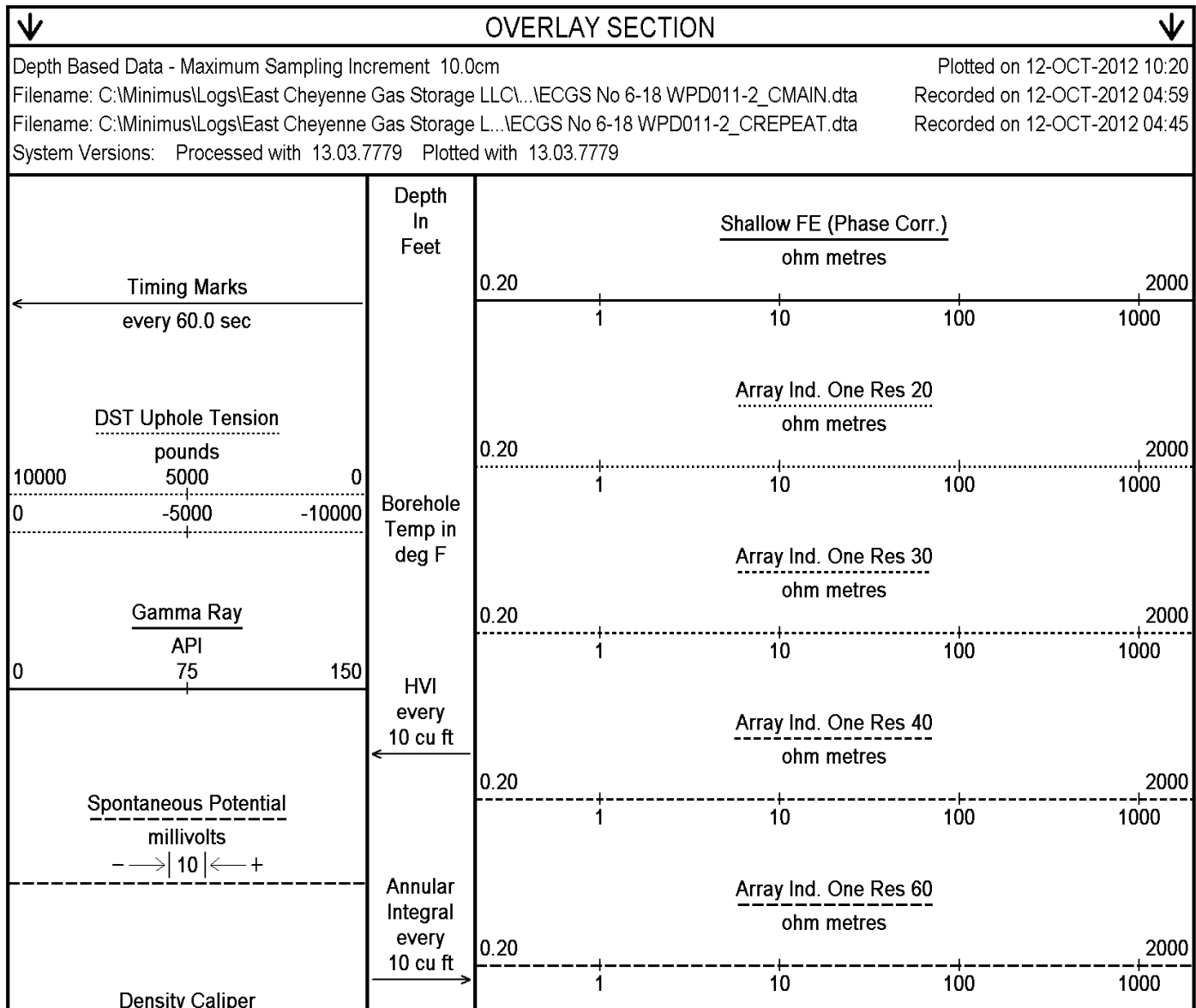
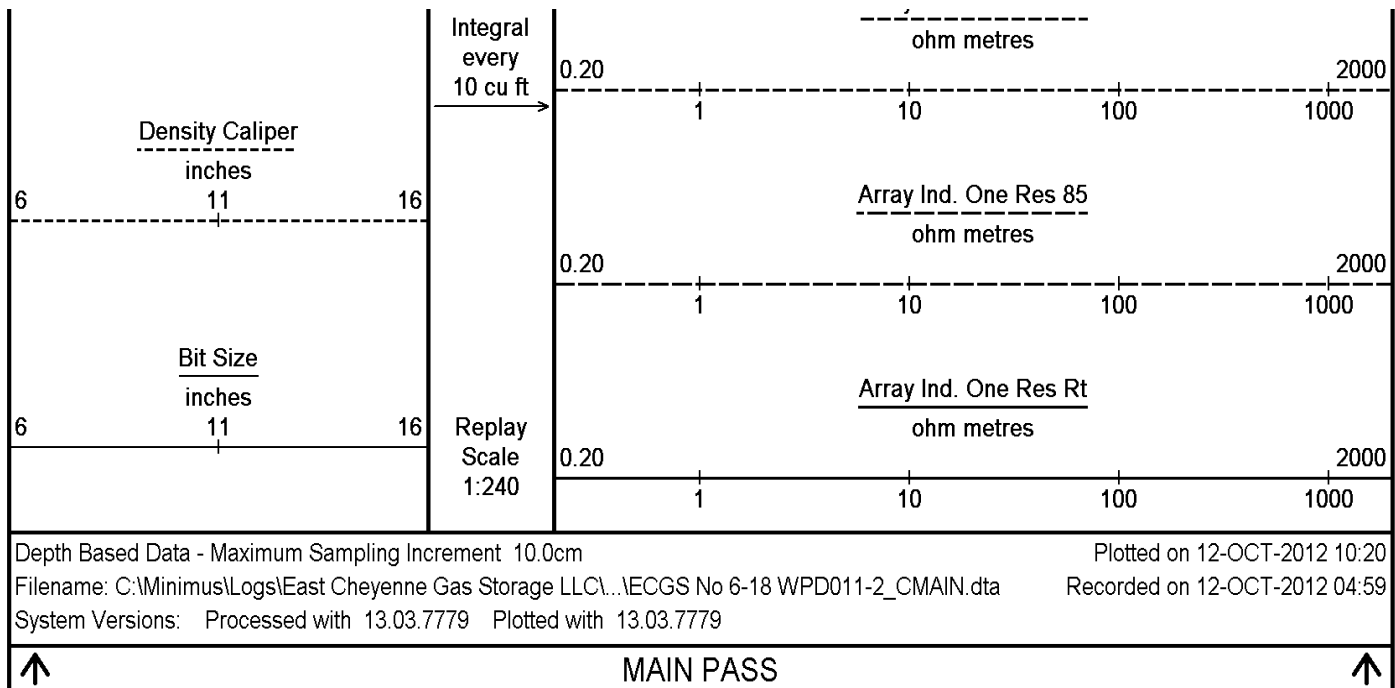














5000

147°

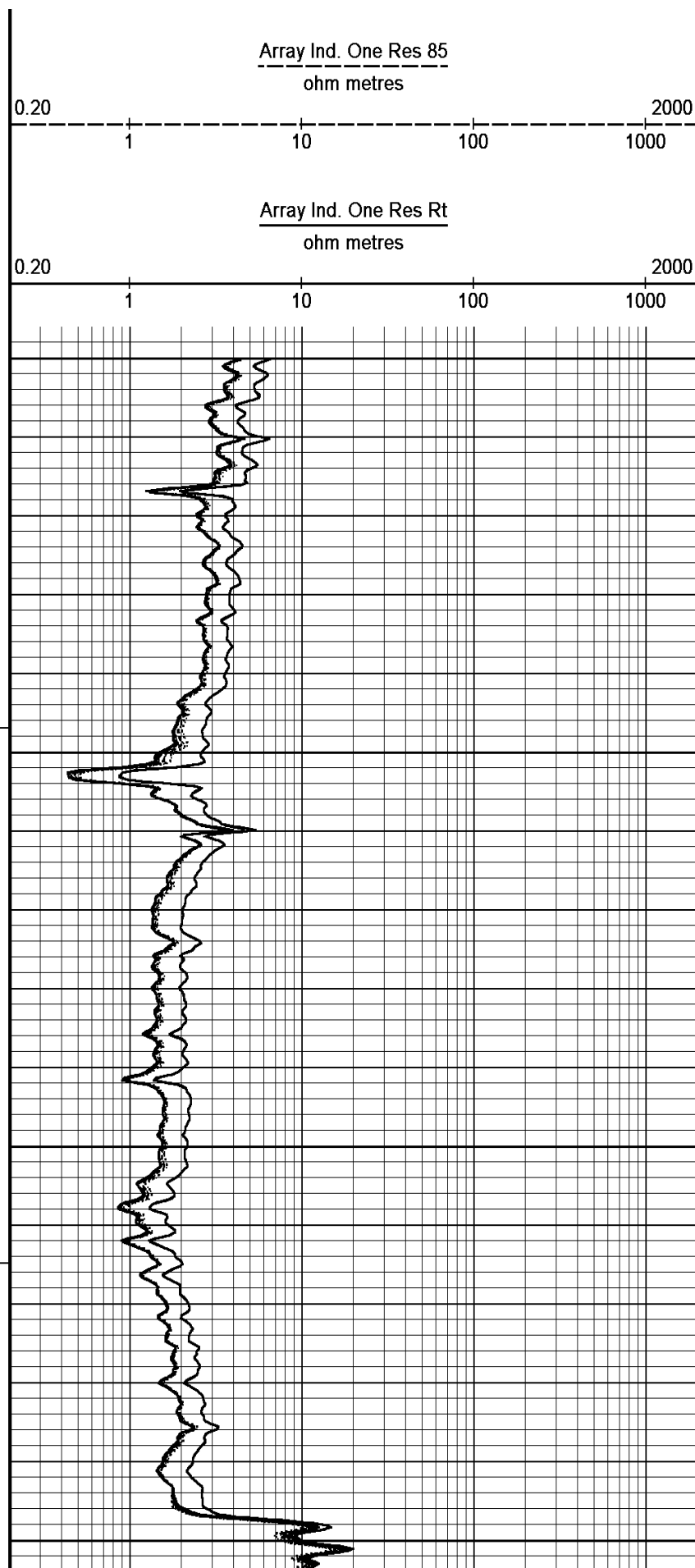
5050

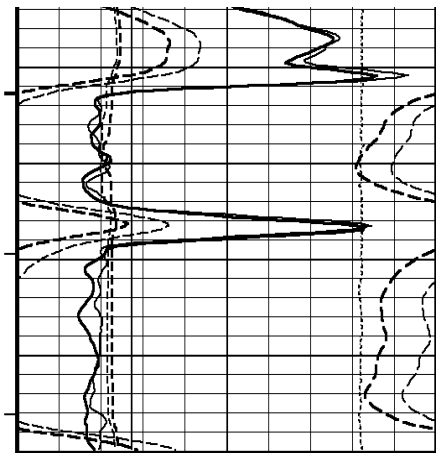
144°

5100

138°

5150





144°

5200

Depth  
In  
Feet

Timing Marks  
every 60.0 sec

DST Uphole Tension  
pounds

10000 5000 0  
0 -5000 -10000

Borehole  
Temp in  
deg F

Gamma Ray

API

0 75 150

HVI  
every  
10 cu ft

Spontaneous Potential  
millivolts

- -> | 10 | <- +

Annular  
Integral  
every  
10 cu ft

Density Caliper  
inches

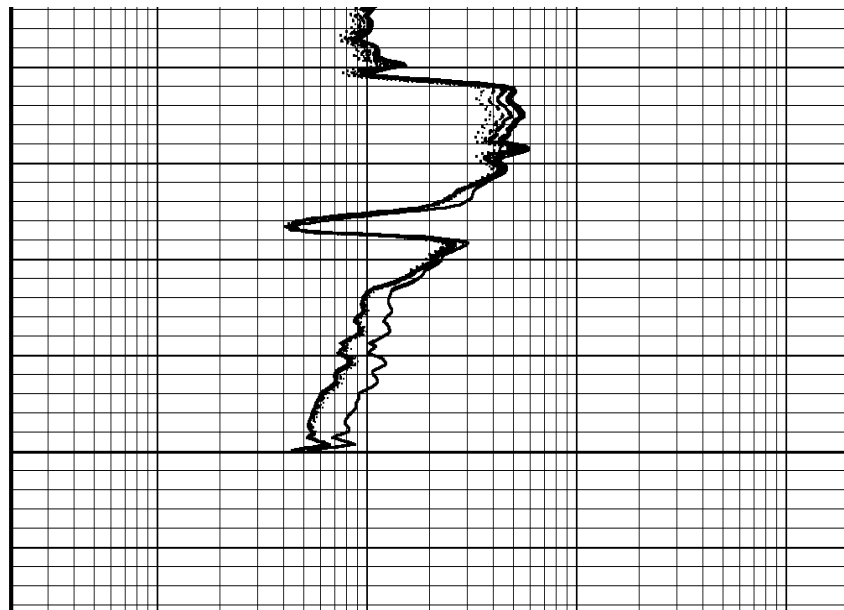
6 11 16

Bit Size

inches

6 11 16

Replay  
Scale



Shallow FE (Phase Corr.)  
ohm metres

0.20 1 10 100 1000 2000

Array Ind. One Res 20  
ohm metres

0.20 1 10 100 1000 2000

Array Ind. One Res 30  
ohm metres

0.20 1 10 100 1000 2000

Array Ind. One Res 40  
ohm metres

0.20 1 10 100 1000 2000

Array Ind. One Res 60  
ohm metres

0.20 1 10 100 1000 2000

Array Ind. One Res 85  
ohm metres

0.20 1 10 100 1000 2000

Array Ind. One Res Rt  
ohm metres

0.20 2000

	1:240	1	10	100	1000
Depth Based Data - Maximum Sampling Increment 10.0cm				Plotted on 12-OCT-2012 10:20	
Filename: C:\Minimus\Logs\East Cheyenne Gas Storage LLC\...IECGS No 6-18 WPD011-2_CMAIN.dta				Recorded on 12-OCT-2012 04:59	
Filename: C:\Minimus\Logs\East Cheyenne Gas Storage L...IECGS No 6-18 WPD011-2_CREPEAT.dta				Recorded on 12-OCT-2012 04:45	
System Versions: Processed with 13.03.7779 Plotted with 13.03.7779					
↑	OVERLAY SECTION				↑

BEFORE SURVEY CALIBRATION			
C:\Minimus\Logs\East Cheyenne Gas Storage LLC\IECGS No 6-18 WPD011-2\IECGS No 6-18 WPD011-2_CMAIN.dta			
Down-hole Tension Calibration All 000			Field Calibration on 24-OCT-2010 03:34
Reading No	Measured		
1	15659.85	0.00	
2	15734.68	370.00	
General Constants All 000			Last Edited on 12-OCT-2012,04:36
General Parameters			
Mud Resistivity	3.750	ohm-metres	
Mud Resistivity Temperature	80.000	degrees F	
Water Level	0.000	feet	
Density/Neutron Processing	Wet Hole		
Hole/Annular Volume and Differential Caliper Parameters			
HVOL Method	Single Caliper		
HVOL Caliper 1	Density Caliper		
HVOL Caliper 2	N/A		
Annular Volume Diameter	7.000	inches	
Caliper for Differential Caliper	Density Caliper		
Rwa Parameters			
Porosity used	Base Density Porosity		
Resistivity used	Array Ind. One Res Rt		
RWA Constant A	0.610		
RWA Constant M	2.150		
Down-hole Tension Calibration SMS 0			Field Calibration on 12-OCT-2012 03:42
Reading No	Measured	Calibrated (lbs)	
1	15453.02	0.00	
2	16669.25	532.00	
Gamma Calibration MCG-D.K 483			Field Calibration on 10-OCT-2012 11:48
	Measured	Calibrated (API)	
Background	71	48	
Calibrator (Gross)	839	567	
Calibrator (Net)	767	519	
Gamma Constants MCG-D.K 483			Last Edited on 05-OCT-2012,14:10
Gamma Calibrator Number	GRCC119		
Mud Density	1.00	gm/cc	
Caliper Source for Processing	Density Caliper		
Tool Position	Eccentred		
Concentration of KCl	0.00	kppm	
SP Calibration MCG-D.K 483			Field Calibration on 23-SEP-2012,10:15
	Measured	Calibrated (mV)	
Reference 1	100.0	100.0	

Reference 1	100.0	100.0
Reference 2	-100.0	-100.0
High Resolution Temperature Calibration MCG-D.K 483		
		Field Calibration on 30-SEP-2012,04:09
	Measured	Calibrated(Deg F)
Lower	50.00	50.00
Upper	75.00	75.00
High Resolution Temperature Constants MCG-D.K 483		
		Last Edited on 02-OCT-2012,09:19
Pre-filter Length	11	
Neutron Calibration MDN-B.J 372		
		Base Calibration on 09-OCT-2012 10:28
		Field Check on 10-OCT-2012 11:57
Base Calibration		
	Measured	Calibrated (cps)
	Near Far	Near Far
	2898 88	3714 110
Ratio	32.889	33.764
Field Calibrator at Base		Calibrated (cps)
		2351 3475
Ratio		0.677
Field Check		Calibrated (cps)
Ratio		
Neutron Constants MDN-B.J 372		
		Last Edited on 12-OCT-2012,01:28
Neutron Source Id	P31115B	
Neutron Jig Number	NJ5299	
Epithermal Neutron	No	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	inches
Mud Density	1.00	gm/cc
Limestone Sigma	7.10	cu
Sandstone Sigma	7.00	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	None	
Formation Pressure	N/A	kpsi
Temperature Source	MCG External Temperature	
Temperature	N/A	degrees F
Mud Salinity	0.00	kppm
Salinity Correction	Not Applied	
Formation Fluid Salinity Source	None	
Formation Fluid Salinity	N/A	kppm
Barite Mud Correction	Not Applied	
Navigation Constants MIE-A.J 244		
		Last Edited on 12-OCT-2012,01:34
Magnetic Declination	7.96	degrees East
Accelerometer Parameters MIE-A.J 244		
Date Of Last Accelerometer Calibration	11-OCT-2012,10:31	
	X Accelerometer	Y Accelerometer
Slope	-1.102009	-1.105650
Offset	-0.007164	-0.004580
Accelerometer Constants MIE-A.J 244		
		Last Edited on 16-FEB-2012,08:51
Accelerometer Calibrator Number	000	
Accelerometer Temperature Characterisation		

X Accelerometer					
Serial Number	1016				
Calibration Date	12-Apr-2011				
	B0	B1	B2	B3	
Bias(g)	0.00000e+000	1.93698e-005	-7.60293e-010	6.54727e-011	
	SF0	SF1	SF2	SF3	
Scale Factor(mA/g)	3.00000e+000	2.59257e-004	6.13375e-007	-3.90888e-010	
Y Accelerometer					
Serial Number	973				
Calibration Date	19-Jan-2011				
	B0	B1	B2	B3	
Bias(g)	0.00000e+000	1.95276e-005	-1.88058e-008	2.74122e-010	
	SF0	SF1	SF2	SF3	
Scale Factor(mA/g)	3.00000e+000	2.75268e-004	3.53140e-007	7.52116e-010	
Z Accelerometer					
Serial Number	1032				
Calibration Date	18-Apr-2011				
	B0	B1	B2	B3	
Bias(g)	0.00000e+000	-1.14960e-005	3.94288e-009	8.97135e-011	
	SF0	SF1	SF2	SF3	
Scale Factor(mA/g)	3.00000e+000	2.88058e-004	2.44833e-007	8.38007e-010	
Imager Pad Check MIE-A.J 244					
				Field Check on	
Pad 1	Pad Not Tested	Pad 5	Pad Not Tested		
Pad 2	Pad Not Tested	Pad 6	Pad Not Tested		
Pad 3	Pad Not Tested	Pad 7	Pad Not Tested		
Pad 4	Pad Not Tested	Pad 8	Pad Not Tested		
Compact Micro Imager Constants MIE-A.J 244					
Last Edited on 11-OCT-2012,10:00					
Sonde Configuration		Imager Mode			
Arm-Pad Kit	Normal Pads (12.25 in)				
Arm-Pad Kit Serial Number					
Centre Pad 1 Rotational Offset	0.00	degrees			
Image/Borehole Ovality Reference	Azimuth of Pad 1				
Non Active Buttons	Omit				
Search Angle	0.00	degrees			
Correlation Interval	3.28	feet			
Correlation Step	1.64	feet			
Current Offset	0.0000	mAmp			
Squasher Start	N/A	mAmp			
Image Processing	Enabled				
Caliper Calibration MIE-A.J 244					
Base Calibration on 11-OCT-2012 10:08					
Field Calibration on 11-OCT-2012 10:27					
Base Calibration					
Reading No	Pads 1-5 Meas.	Pads 3-7 Meas.	Calibrator Size (in)		
1	26777	25896	5.97		
2	36873	36467	7.96		
3	45055	46131	9.87		
4	50842	56738	11.92		
5	0	0	0.00		
Reading No	Pad 2 Meas.	Pad 4 Meas.	Pad 6 Meas.	Pad 8 Meas.	Calibrator Size (in)
1	24919	26114	24194	25099	5.97
2	34321	34565	32478	34129	7.96
3	41481	44009	41829	41403	9.87
4	47591	57263	54975	47514	11.92
5	0	0	0	0	0.00
Field Calibration					
	Measured	Measured	Actual		
	Pads 1-5 Caliper(in)	Pads 3-7 Caliper(in)	Caliper(in)		

Measured Pad 2 Caliper(in) 3.93		Measured Pad 4 Caliper(in) 4.02		Measured Pad 6 Caliper(in) 4.01		Measured Pad 8 Caliper(in) 3.93		Actual Caliper(in) 7.96	
Caliper Constants MIE-A.J 244								Last Edited on 11-OCT-2012,09:58	
Caliper Difference for BRKT		0.120		inches					
Magnetometer Parameters MIE-A.J 244									
Date Of Last Magnetometer Calibration		12-OCT-2012,01:37							
Slope		X Magnetometer -1.000000		Y Magnetometer -1.000925		Z Magnetometer -0.993497			
Offset		0.008903		-0.008749		0.009457			
Magnetometer Constants MIE-A.J 244								Last Edited on	
Magnetometer Calibrator Number		000							
FE Calibration MFE-A.A 76						Base Calibration on 08-OCT-2012 10:03 Field Check on 10-OCT-2012 12:57			
Base Calibration		Measured		Calibrated (ohm-m)					
Reference 1		0.0		0.0					
Reference 2		965.4		126.8					
Base Check		279.7							
Field Check		279.9							
FE Constants MFE-A.A 76						Last Edited on 12-OCT-2012,01:38			
Running Mode		No Sleeve							
MFE K Factor		0.1268							
Caliper Source for FE correction		Density Caliper							
Caliper Value for FE correction		N/A		inches					
Rm Source for FE correction		Temperature Corr							
Temp. for Rm Corr.		MCG External Temperature							
Stand-off		1.0		inches					
High Resolution Temperature Calibration MAI-B.A 248						Field Calibration on 04-DEC-2010,07:58			
		Measured		Calibrated(Deg C)					
Lower		10.00		10.00					
Upper		100.00		100.00					
High Resolution Temperature Constants MAI-B.A 248						Last Edited on			
Pre-filter Length		11							
Induction Calibration MAI-B.A 248						Base Calibration on 04-DEC-2010,07:57 Field Check on 10-OCT-2012 11:18			
Base Calibration									
Test Loop Calibration		Measured		Calibrated (mmho/m)					
Channel		Low High		Low High					
1		16.8 468.4		9.3 966.2					
2		5.9 377.9		7.6 821.4					
3		3.4 262.7		5.2 566.0					
4		1.4 135.2		2.6 279.2					
Array Temperature		23.8		Deg F					
Channel		Base Check (mmho/m)		Field Check (mmho/m)					
		Low High		Low High					
1		13.6 3891.2		13.7 3892.5					



2	30.9	3583.5	31.0	3583.8
3	28.6	3026.5	28.6	3026.4
4	20.3	2044.8	20.3	2044.9
Deep	17.4	1910.3	17.4	1910.2
Medium	41.3	4021.3	41.3	4021.0
Shallow	46.4	5394.9	46.5	5395.5
Array Temperature		63.5	65.5	Deg F

#### Induction Constants MAI-B.A 248

Last Edited on 12-OCT-2012,10:14

Induction Model		RtAP-WBM	
Caliper for Borehole Corr.		Density Caliper	
Hole Size for Borehole Correction		N/A	inches
Tool Centred		No	
Stand-off Type		Fins	
Stand-off		1.00	inches
Number of Fins on Stand-off		6.0000	
Stand-off Fin Angle		60.00	degrees
Stand-off Fin Width		0.5000	inches
Borehole Corr. Rm Source		Temperature Corr	
Temp. for Rm Corr.		MCG External Temperature	
Squasher Start		0.0020	mhos/metre
Squasher Offset		N/A	mhos/metre
Borehole Normalisation			
DRM1	0.0000	DRC1	0.0000
DRM2	0.0000	DRC2	0.0000
MRM1	0.0000	MRC1	0.0000
MRM2	0.0000	MRC2	0.0000
SRM1	0.0000	SRC1	0.0000
SRM2	0.0000	SRC2	0.0000
Calibration Site Corrections			
Channel 1		0.00	mmhos/metre
Channel 2		0.00	mmhos/metre
Channel 3		0.00	mmhos/metre
Channel 4		0.00	mmhos/metre
Apparent Porosity and Water Saturation Constants			
Archie Constant (A)		1.00	
Cementation Exponent (M)		2.00	
Saturation Exponent (N)		2.00	
Saturation of Water for Apor		100.00	percent
Resistivity of Water for Apor and Sw		0.05	ohm-m
Resistivity of Mud Filtrate for Sw		0.00	ohm-m
Source for Rt		0.00	
Source for Rxo		0.00	

#### Caliper Calibration MPD-C.J 378

Base Calibration on 08-OCT-2012 11:28

Field Calibration on 10-OCT-2012 11:35

Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	14064	3.99
2	22752	5.97
3	31206	7.96
4	39310	9.87
5	48416	11.92
6	N/A	N/A
Field Calibration		
	Measured Caliper (in)	Actual Caliper (in)
	7.90	7.96

# Photo Density Calibration MPD-C.J 378

Base Calibration on 08-OCT-2012 11:54  
Field Check on 10-OCT-2012 11:42

Density Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Base Calibration				
Reference 1	39256	12407	52994	19128
Reference 2	18793	2214	25185	2558

## Field Check at Base

1202.8 1285.3

## Field Check

1197.1 1283.5

PE Calibration	Measured		Calibrated	
	WS	WH	Ratio	Ratio
Base Calibration				
Background	217	1077		
Reference 1	13471	39095	0.349	0.309
Reference 2	5343	18659	0.292	0.274

## Field Check at Base

217.1 1076.8

## Field Check

220.8 1070.2

# Density Constants MPD-C.J 378

Last Edited on 12-OCT-2012,01:29

Density Source Id	P15771B
Nylon Calibrator Number	DNC-D-527
Aluminium Calibrator Number	DAC-D-527
Density Shoe Profile	8 inch
Caliper Source for Processing	Density Caliper
PE Correction to Density	Not Applied
Mud Density	1.17 gm/cc
Mud Density Z/A Multiplier	1.11
Mud Filtrate Density	1.00 gm/cc
Dry Hole Mud Filtrate Density	1.00 gm/cc
DNCT	0.00 gm/cc
CRCT	0.00 gm/cc
Density Z/A Correction	Hybrid
Matrix Density (gm/cc)	Depth (ft)
2.65	
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00

## DOWNHOLE EQUIPMENT

C:\Minimus\Logs\East Cheyenne Gas Storage LLC\ECGS No 6-18 WPD011-2\ECGS No 6-18 WPD011-2\_CMAIN.dta

3/8" Triple Cone Cable Head (MCB C A)  
MCB-C.A 5 LG: 1.58 ft WT: 15.4 lb OD: 2.24 in

SHA-H Compact Swivel Head Adaptor  
SHA-H 112 LG: 2.30 ft WT: 22.0 lb OD: 2.24 in



SHA-J.B Compact Swivel Head Adaptor

Compact Comms Gamma

MCG-D.K 483 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Neutron

MDN-B.J 372 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

Compact Density/Caliper

MPD-C.J 378 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

MIS-A.A Compact Inline Bowspring sub

MIS-A.A 70 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in

SKJ-D.A Compact Knuckle Joint

SKJ-D.A 112 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

MIS-E.A Compact Inline Standoff sub

MIS-E.A 334 LG: 2.14 ft WT: 15.4 lb OD: 2.24 in

SKJ-D.A Compact Knuckle Joint

SKJ-D.A 143 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

SHA-J.B Compact Swivel Head Adaptor

SHA-J.B 574 LG: 2.30 ft WT: 22.0 lb OD: 2.24 in

Compact MMI Memory Section

MIM-A.J 244 LG: 4.65 ft WT: 26.5 lb OD: 2.24 in

Compact MMI Electrode Section

MIE-A.J 244 LG: 13.96 ft WT: 99.2 lb OD: 4.09 in

SKJ-E.B Compact Knuckle Joint

SKJ-E.B 583 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

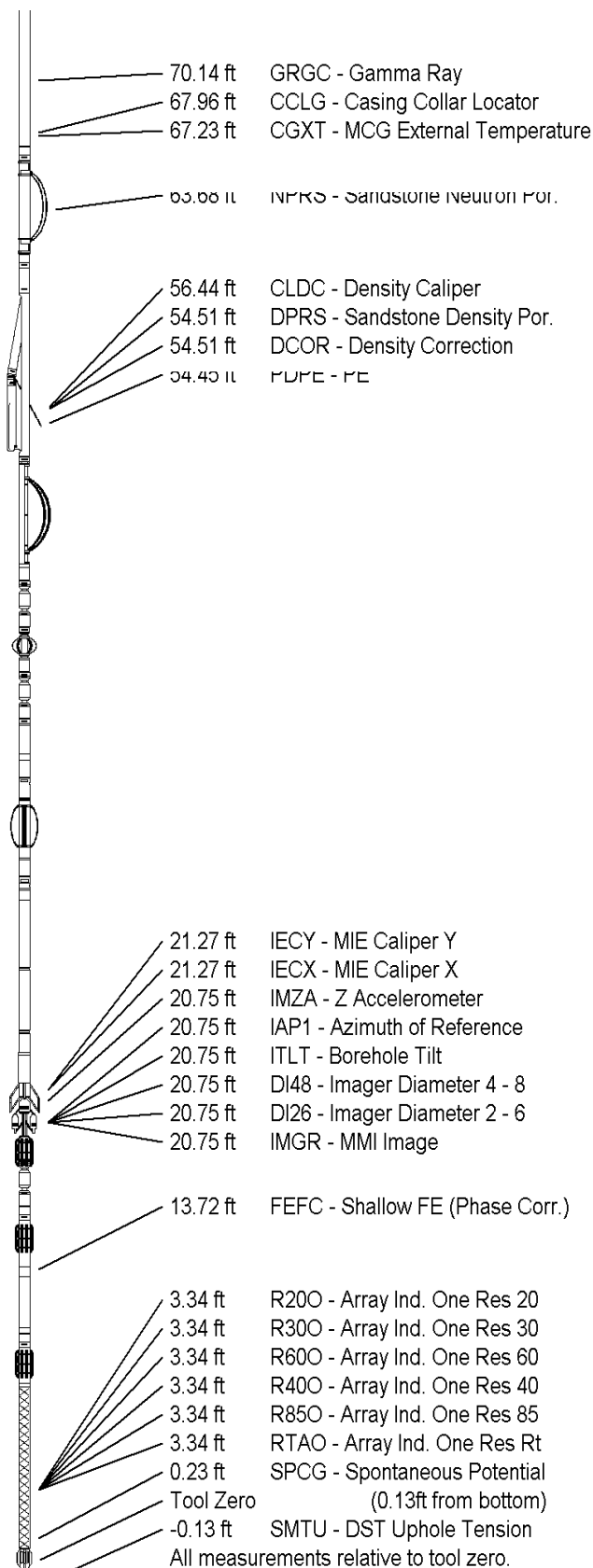
Compact Focussed Electric

MFE-A.A 76 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Induction

MAI-B.A 248 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 79.30 ft Weight: 608.5 lb



COMPANY

EAST CHEYENNE GAS STORAGE LLC

WELL

ECGS No 6-18 WPD011-2

FIFI D

PFFT7 WFST

PROVINCE/COUNTY      LOGAN  
COUNTRY/STATE        USA/COLORADO

Elevation Kelly Bushing	4564.00	feet	First Reading	5261.00	feet
Elevation Drill Floor	4563.00	feet	Depth Driller	5260.00	feet
Elevation Ground Level	4550.00	feet	Depth Logger	5264.00	feet



**Weatherford®**

ARRAY INDUCTION  
LOGS