Weatherford®

COMPACT TRIPLE COMBO QUICKLOOK LOG

COMPANY	BILL BARRETT CORPORATION
WELL	GGU FEDERAL 42D-29-691
FIELD	GIBSON GULCH
PROVINCE/COUNTY	GARFIELD
COUNTRY/STATE	U.S.A. / COLORADO
LOCATION	SHL: 1246' FNL & 1282' FEL
	BHL: 1473' FNL & 664' FEL

SEC	TWP	RGE	Other Services
29	6S	91W	

API Number 05-045-19803
Permit Number

Permanent Datum G.L., Elevation 6104 feet
Log Measured From K.B. @ 23 FEET above Permanent Datum
Drilling Measured From K.B.

Elevations:	feet
KB	6127.00
DF	6126.00
GL	6104.00

Date	08-JAN-2011			
Run Number	ONE			
Depth Driller	7385.00	feet		
Depth Logger	7384.00	feet		
First Reading	7381.00			
Last Reading	824.00			
Casing Driller	820.00	feet		
Casing Logger	824.00	feet		
Bit Size	7.880	inches		
Hole Fluid Type	LSND			
Density / Viscosity	10.10 lb/USg	55.00 CP		
PH / Fluid Loss	9.00	6.20 ml/30Min		
Sample Source	FLOW LINE			
Rm @ Measured Temp	3.30 @ 70.0	ohm-m		
Rmf @ Measured Temp	2.64 @ 70.0	ohm-m		
Rmc @ Measured Temp	3.96 @ 70.0	ohm-m		
Source Rmf / Rmc	CALC	CALC		
Rm @ BHT	1.32 @179.0	ohm-m		
Time Since Circulation	6 HOURS			
Max Recorded Temp	179.00	deg F		
Equipment Name	COMPACT			
Equipment / Base	13173	GD JCT		
Recorded By	D. KUNTZ			
Witnessed By	C. CROW			

BOREHOLE RECORD

Last Edited: 08-JAN-2011 10:28

Bit Size inches	Depth From feet	Depth To feet
8.750	824.00	5628.00
7.880	5628.00	7385.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	9.625	0.00	824.00	36.00

REMARKS

TOOLS: SHA, MCG, MDN, MPD, SKJ, MFE AND MAI RAN IN COMBINATION.

HARDWARE: MPD: 8 INCH PROFILE PLATE USED.
ONE 0.5 INCH STANDOFFS USED ON INDUCTION.
ONE 0.5 INCH STANDOFFS USED ON MFE.
DUAL BOWSPRING USED ON NEUTRON.

2.68 G/CC DENSITY MATRIX USED TO CALCULATE POROSITY.

ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.

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

LOGS SPLICED AT 5780 FEET DUE TO TOOL ROLLOVER. AFTER REPEATING THE HOLE WAS FOUND TO BE IN GAUGE.

DENSITY POROSITY IS READING HIGH, NEUTRON POROSITY AND DCOR ARE READING LOW DUE TO 8% LCM USED IN THE MUD SYSTEM. LOGGED OUT WITHOUT SWAPPING TOOLS AS PER CUSTOMERS' REQUEST.

CALIPER CHECK IN CASING PRESENTED, REFERENCE I.D. = 8.99" (9 5/8", 36 LB/FT CASING)

8.75 INCH BIT USED FROM SURFACE CASING TO 5628 FT.

TOTAL HOLE VOLUME FROM TD TO SURFACE CASING = 2095 CU.FT.

ANNULAR VOLUME WITH 4.5 INCH PRODUCTION CASING = 1550 CU.FT.

ENGINEER(S): D. KUNTZ

OPERATOR: S.KAISER, R. SYERS

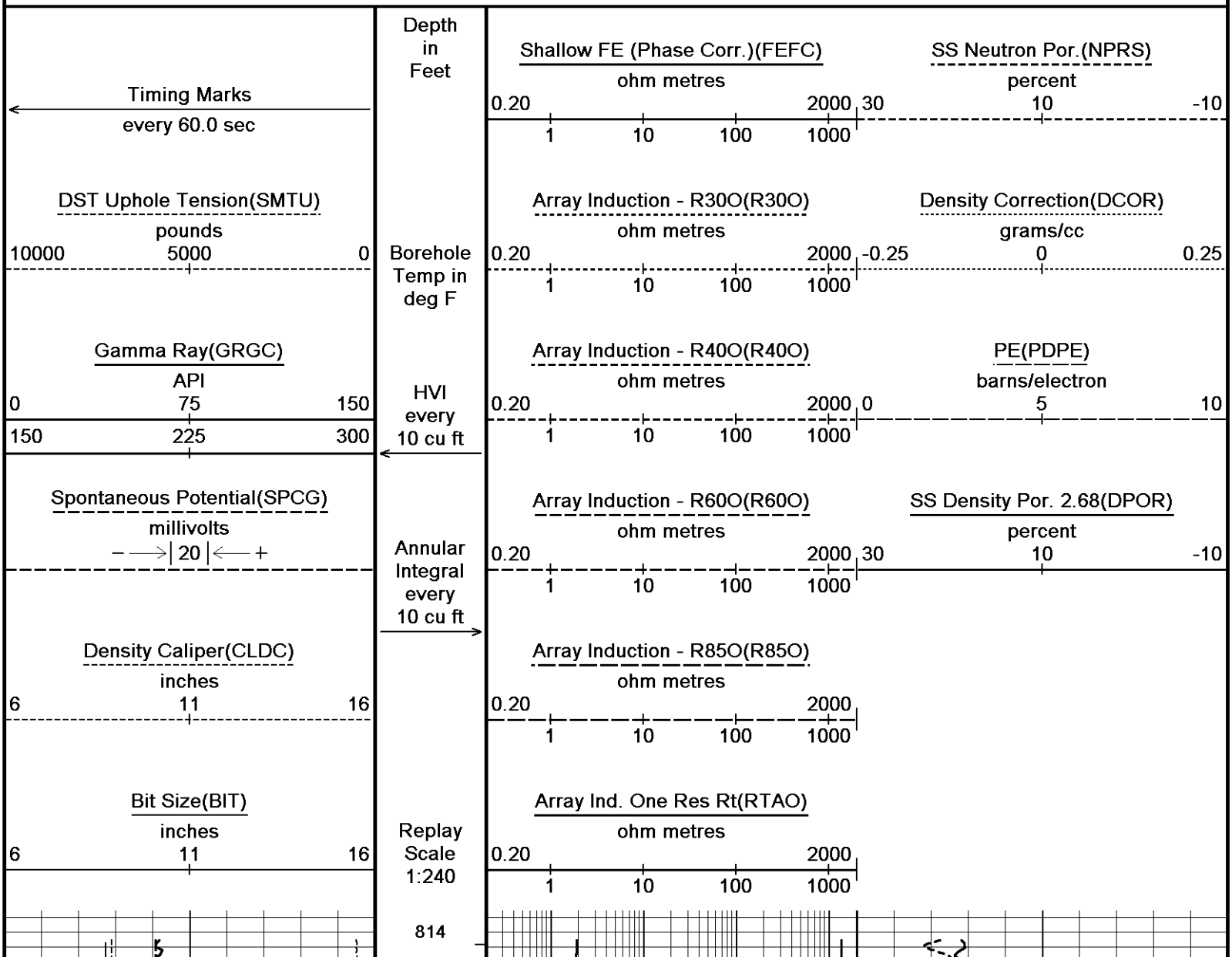
SERVICE ORDER: # 3526093

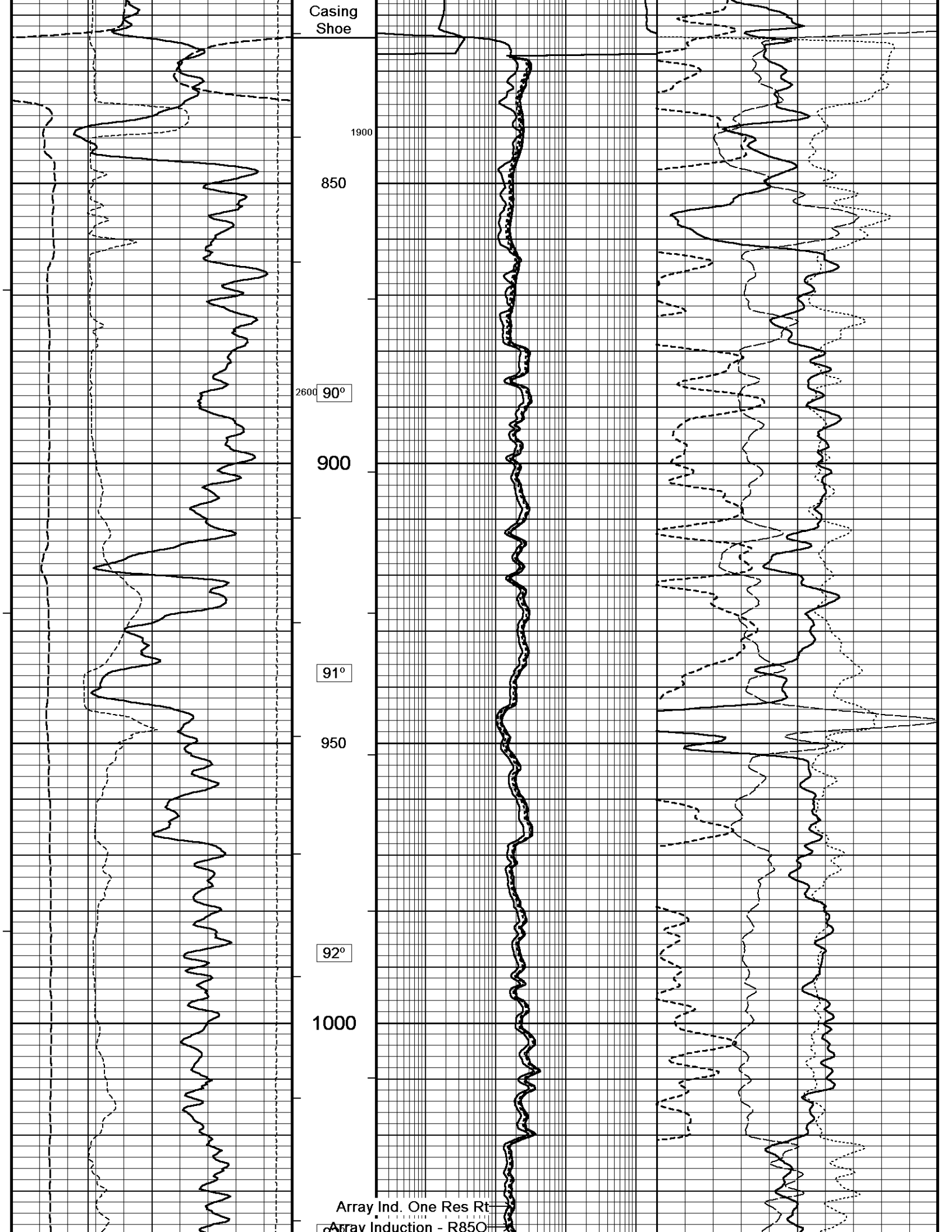
RIG: PATTERSON #307

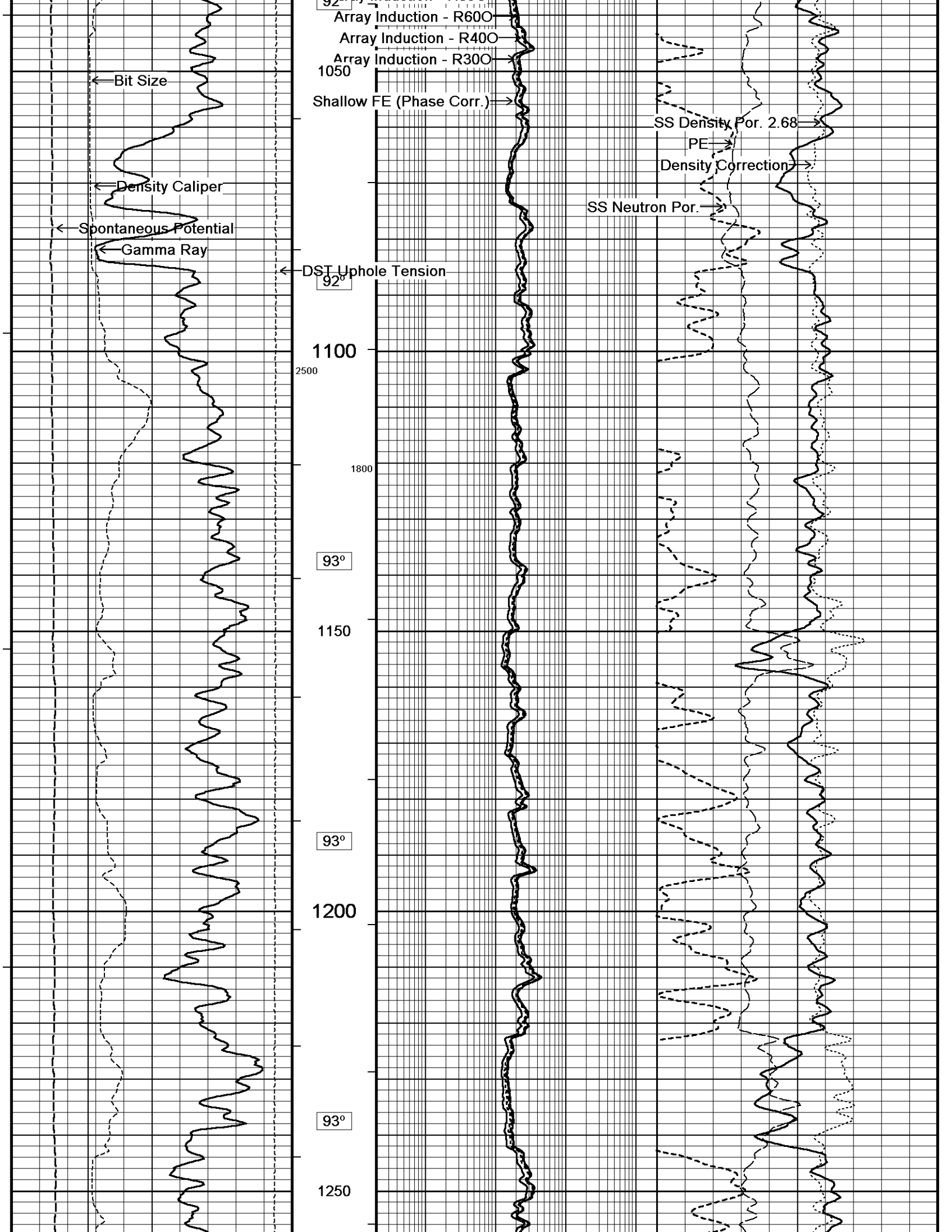
5 INCH MAIN LOG

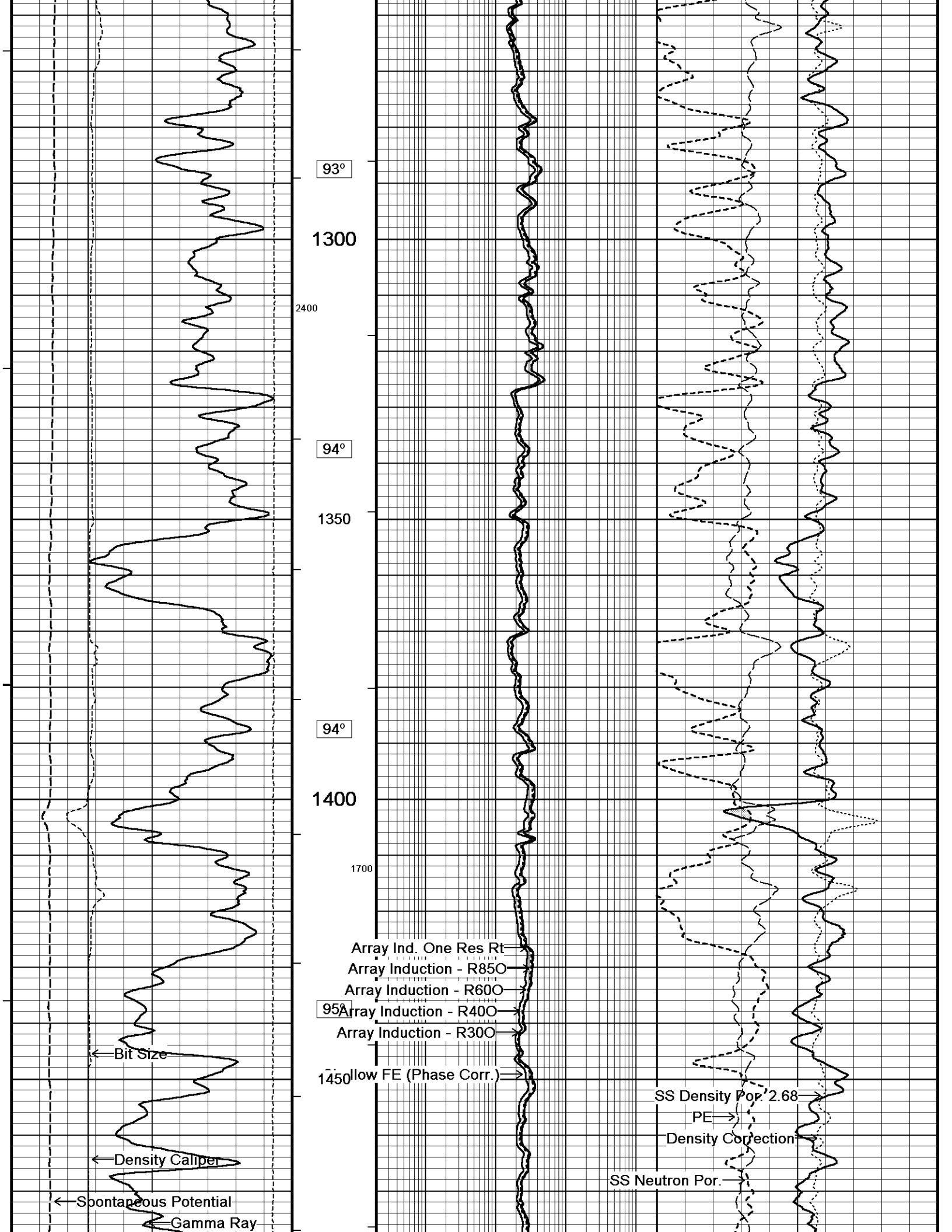
Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Minimus\Logs\Bill Barrett\GGU Federal 42D-29-691\Main Reprocessed.dta
System Versions: Processed with 11.01.2198 Plotted with 11.01.2198

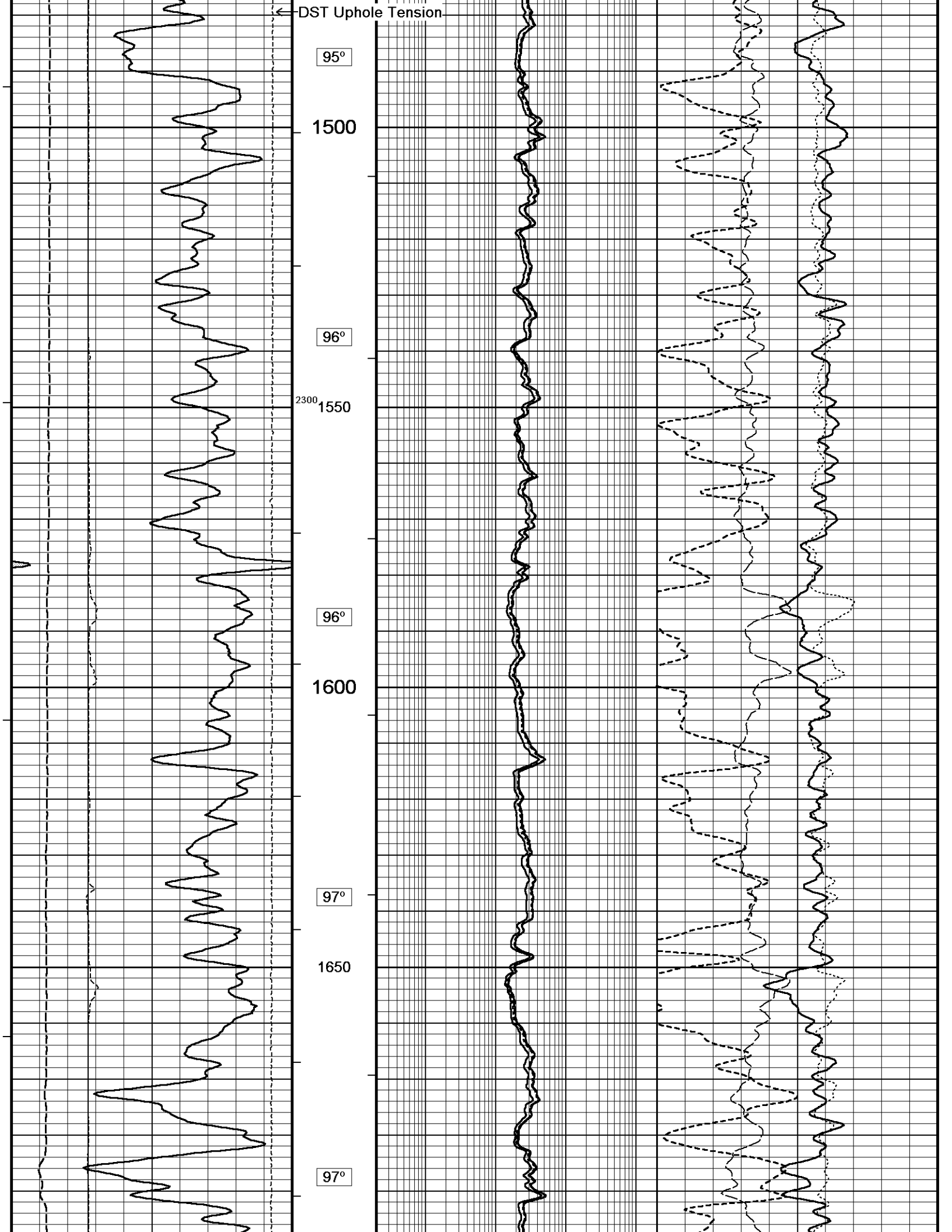
Plotted on 08-JAN-2011 17:20
Recorded on 08-JAN-2011 10:12

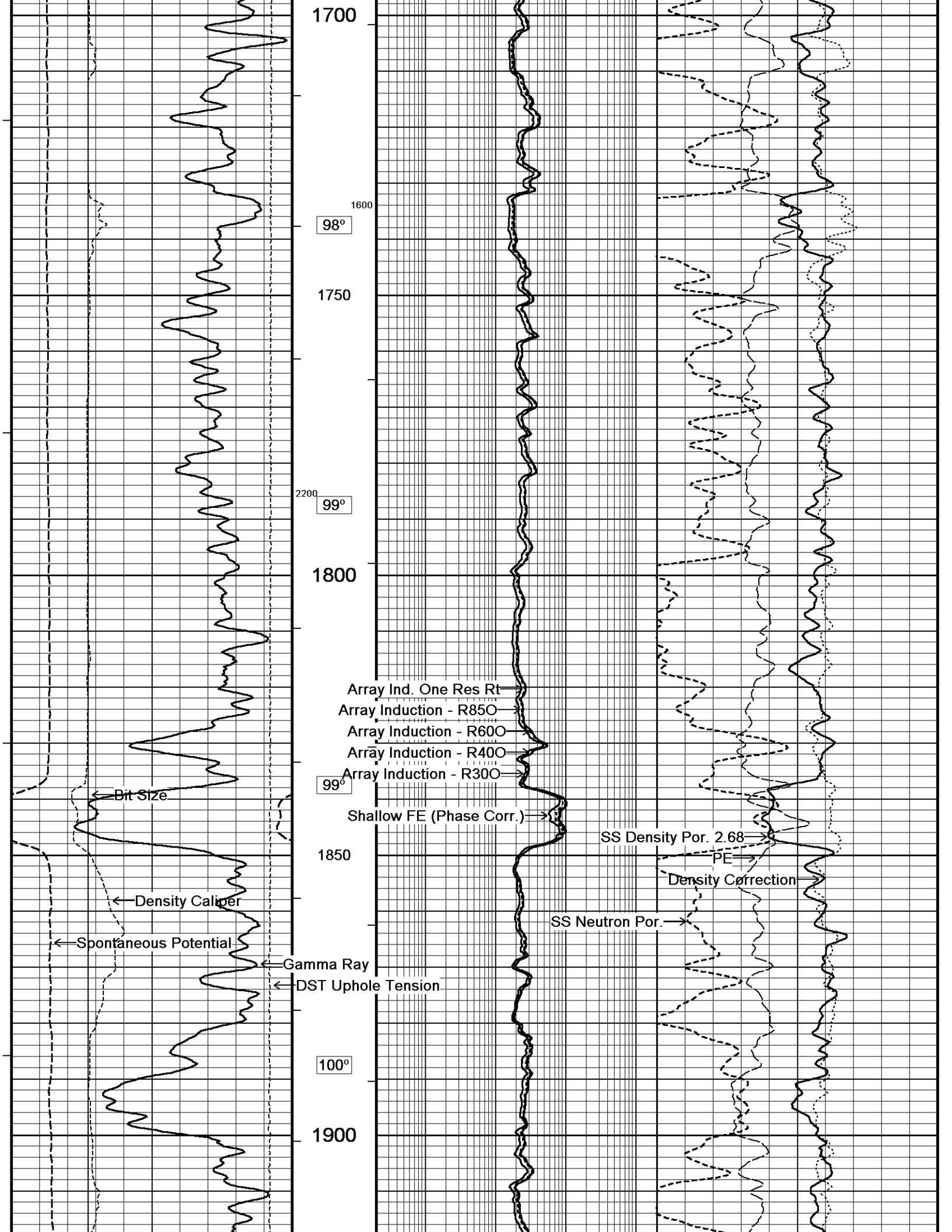


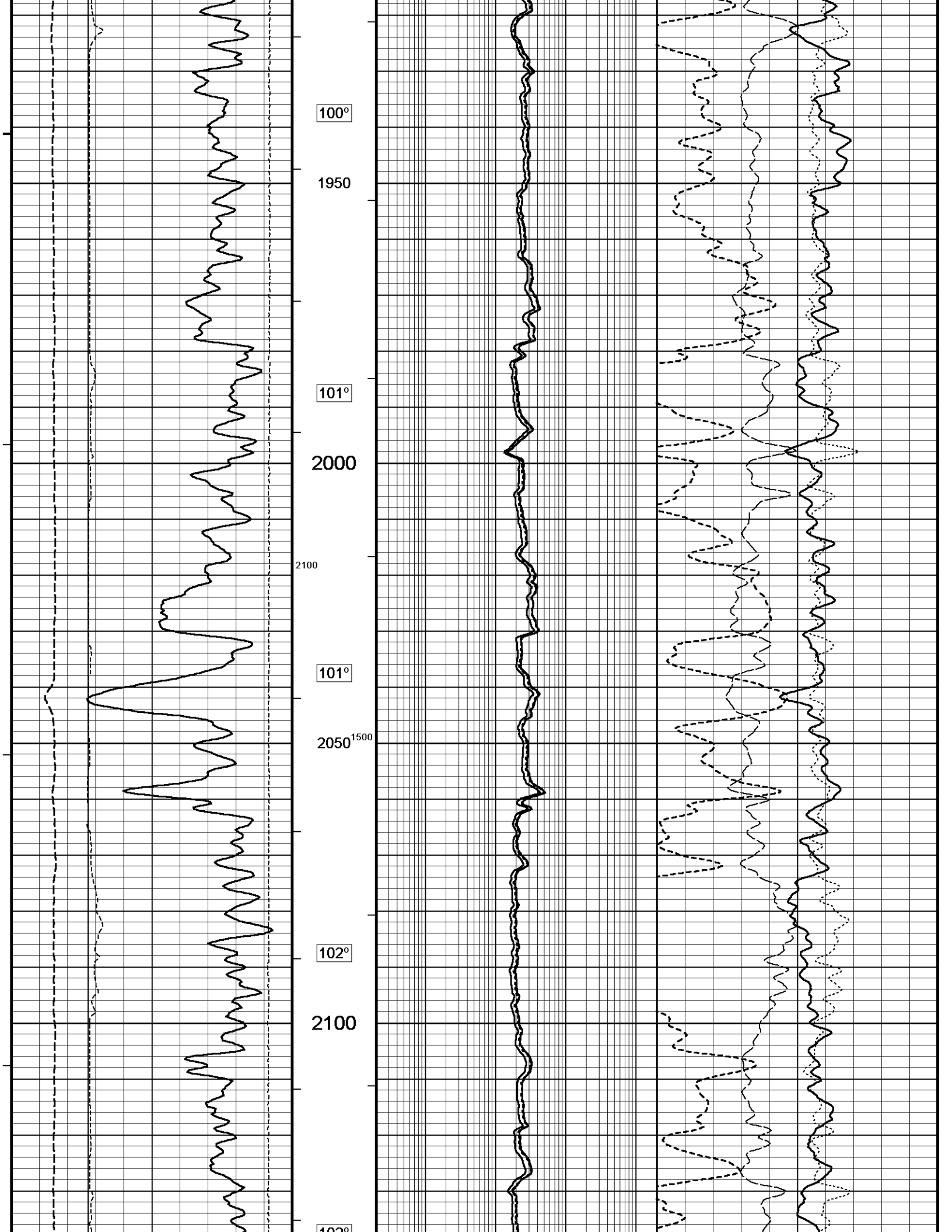

Casing
Shoe
1900
850
2600
90°
900
91°
950
92°
1000
Array Ind. One Res Rt
Array Induction - R85O

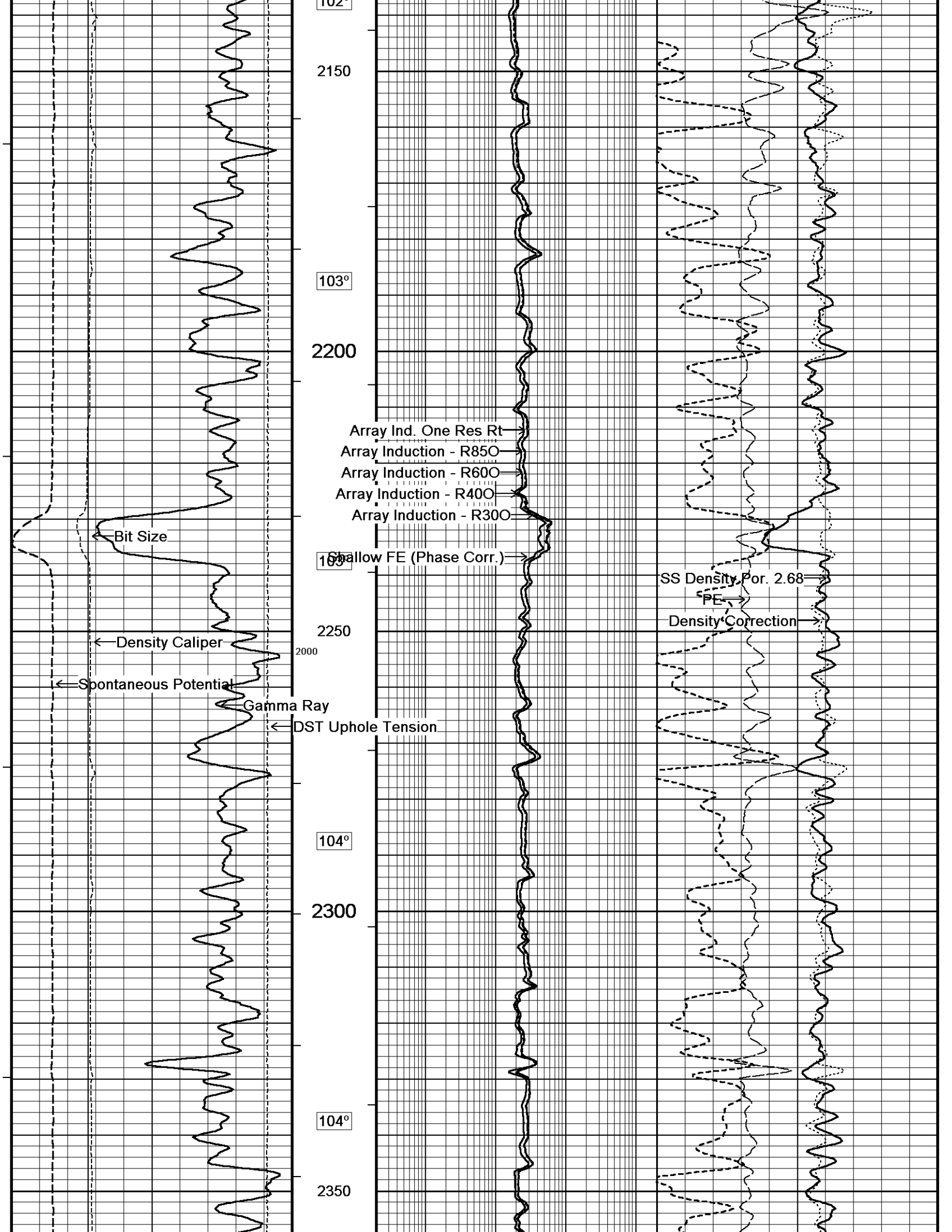

Array Induction - R60O
Array Induction - R40O
Array Induction - R30O
1050
Bit Size
Shallow FE (Phase Corr.)
SS Density Por. 2.68
PE
Density Correction
Density Caliper
SS Neutron Por.
Spontaneous Potential
Gamma Ray
DST Uphole Tension
92°
1100
2500
1800
93°
1150
93°
1200
93°
1250

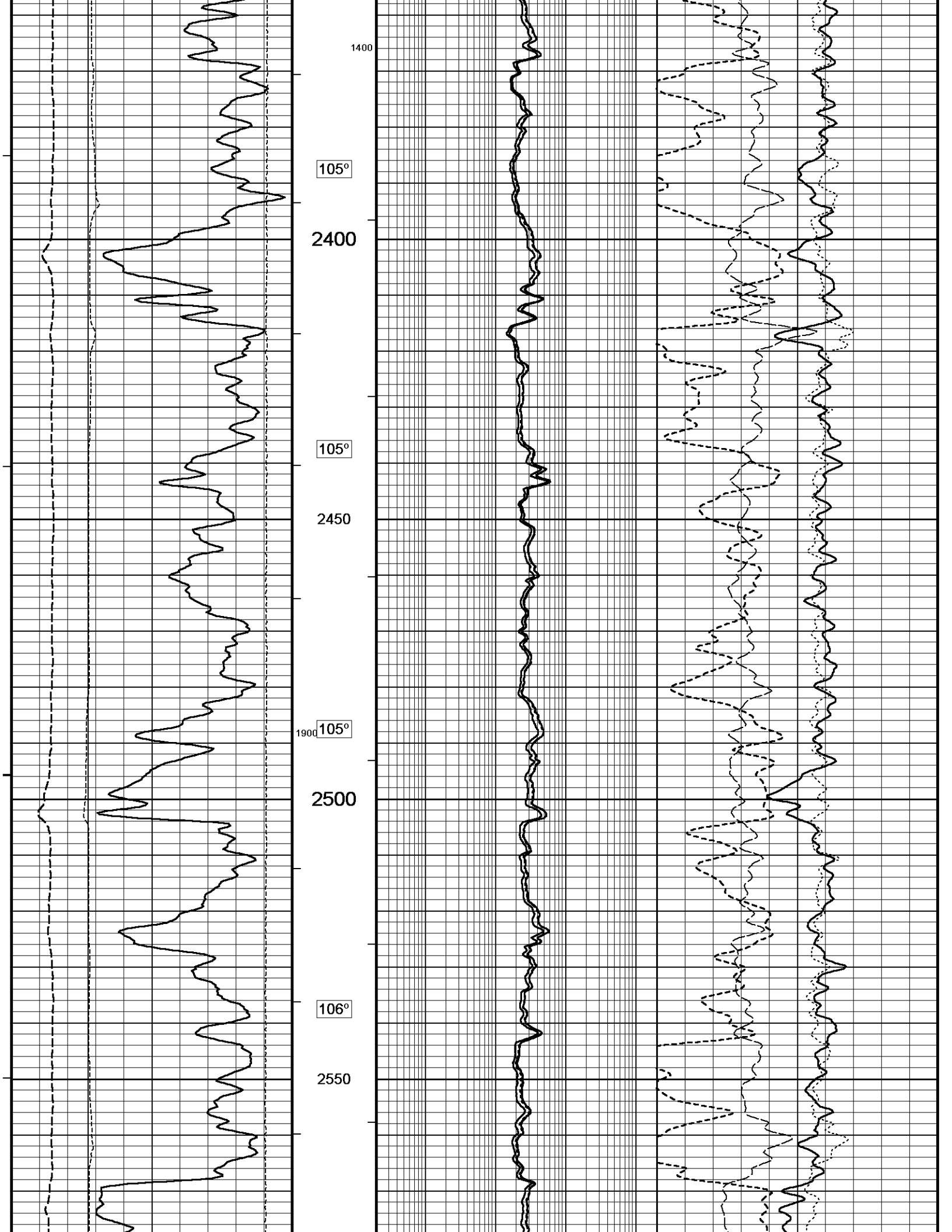

93°
1300
2400
94°
1350
94°
1400
1700
95
1450
Array Ind. One Res Rt
Array Induction - R85O
Array Induction - R60O
Array Induction - R40O
Array Induction - R30O
Shallow FE (Phase Corr.)
Bit Size
Density Caliper
Spontaneous Potential
Gamma Ray
SS Density Por. 2.68
PE
Density Correction
SS Neutron Por.

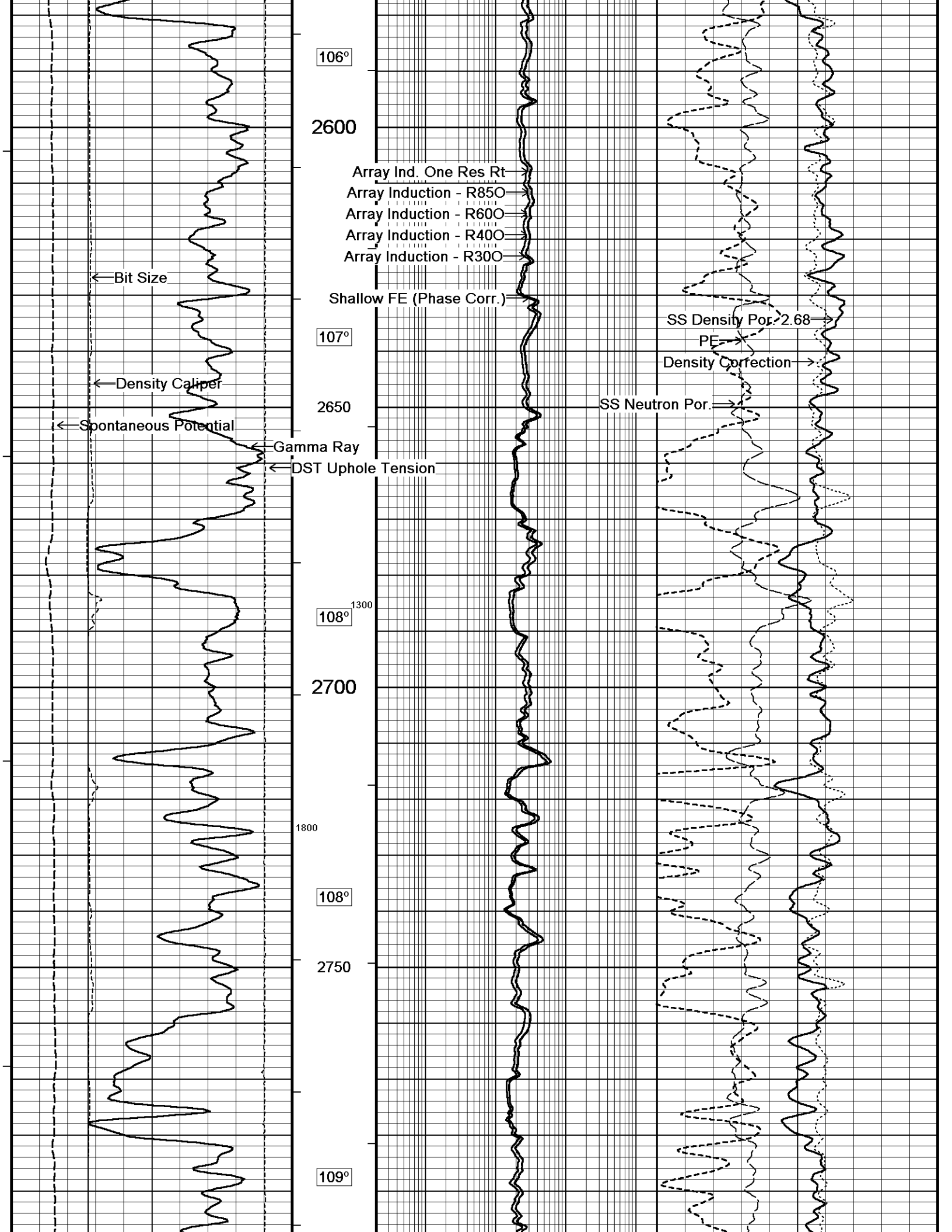

DST Uphole Tension
95°
1500
96°
2300
1550
96°
1600
97°
1650
97°

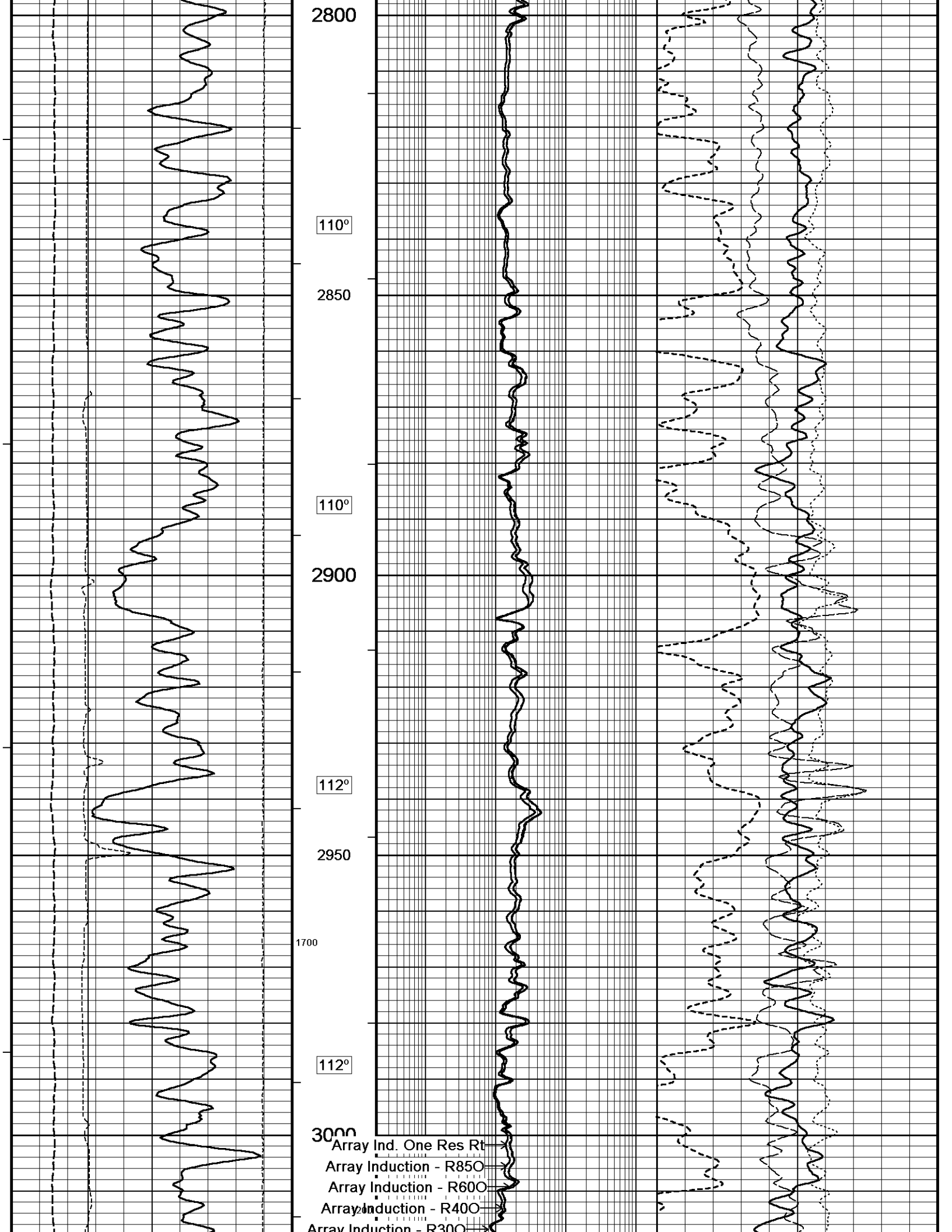

1700
1600
98°
1750
2200
99°
1800
Array Ind. One Res Rt
Array Induction - R85O
Array Induction - R60O
Array Induction - R40O
Array Induction - R30O
99°
Bit Size
Shallow FE (Phase Corr.)
SS Density Por. 2.68
1850
PE
Density Correction
Density Caliper
SS Neutron Por.
Spontaneous Potential
Gamma Ray
DST Uphole Tension
100°
1900

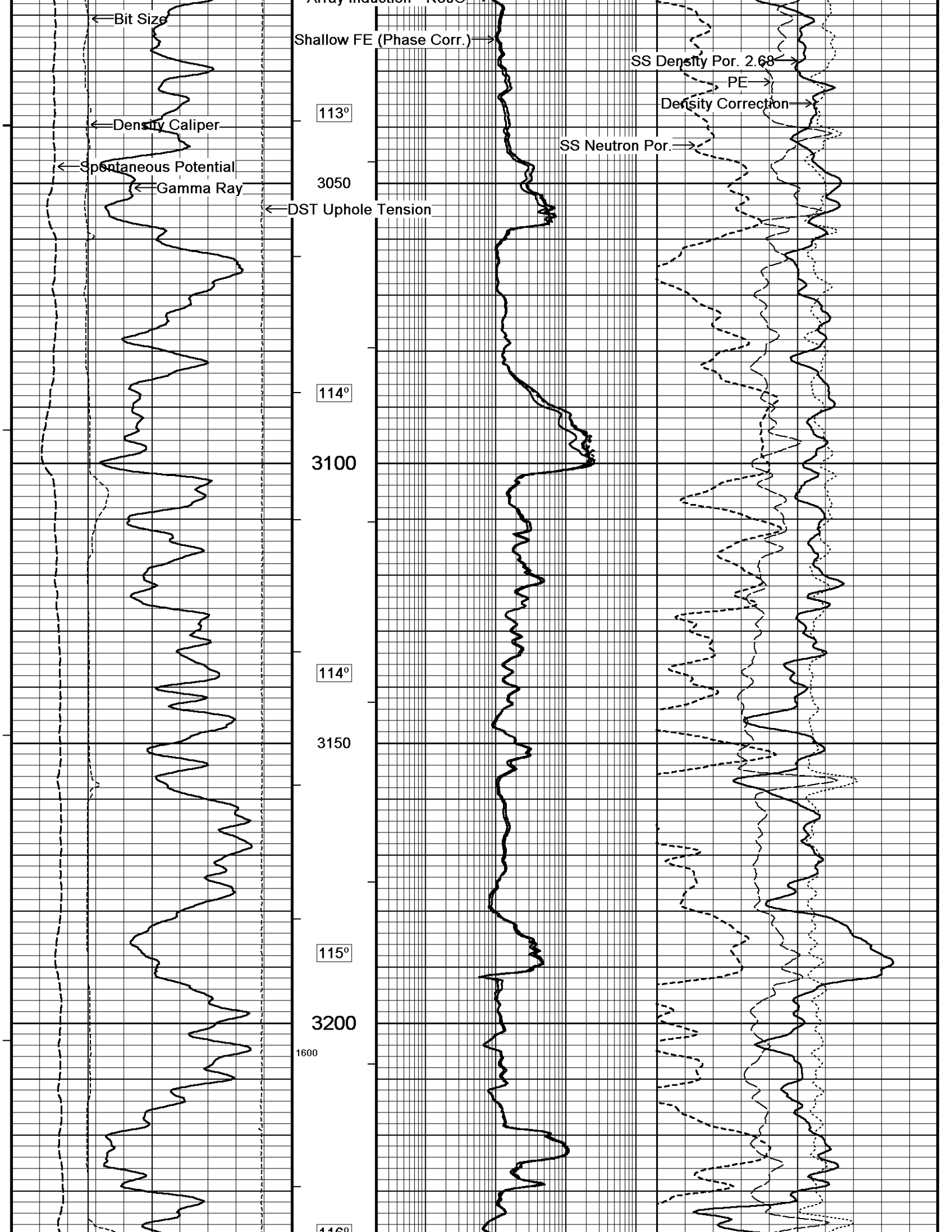

100°
1950
101°
2000
2100
101°
2050
1500
102°
2100
102°

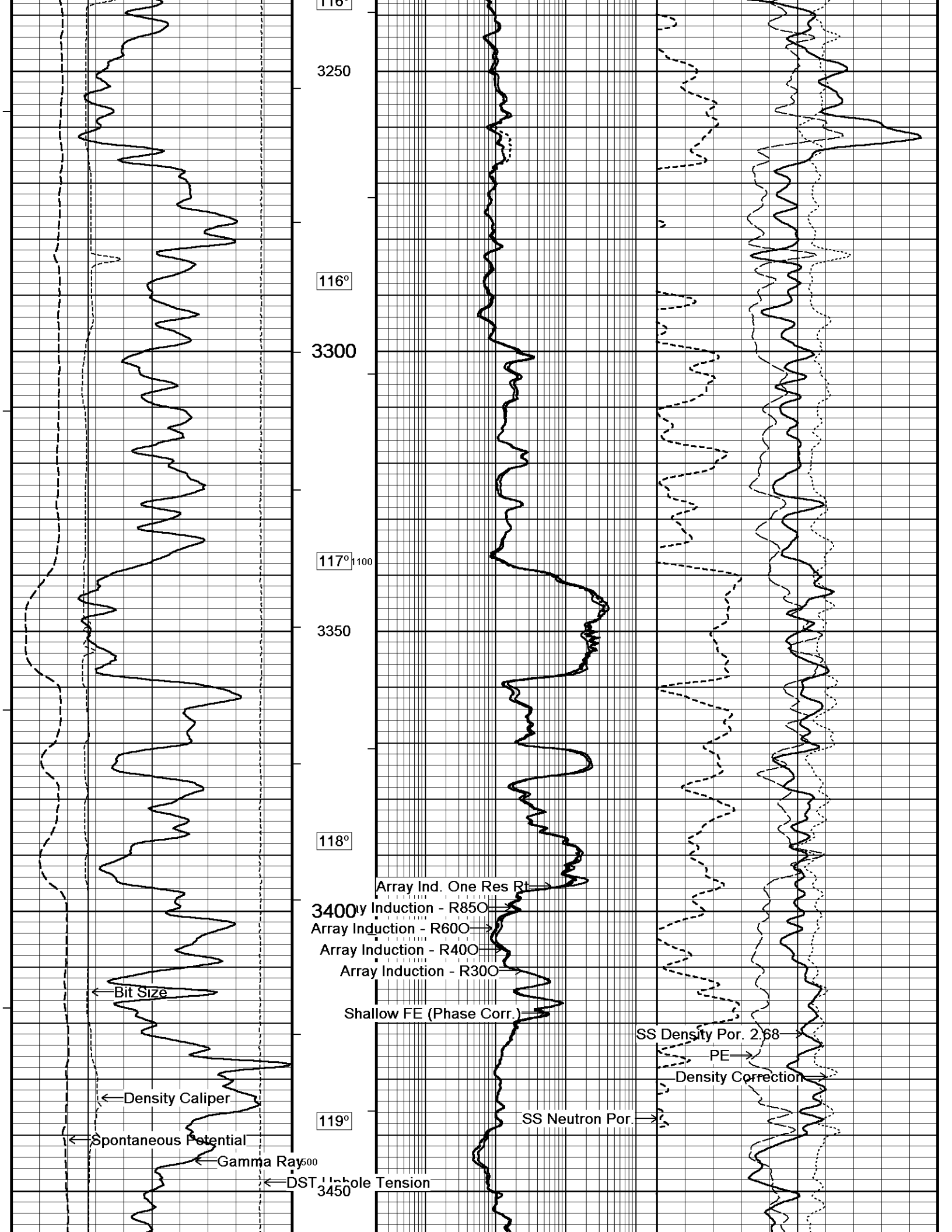

2150
103°
2200
2250
104°
2300
104°
2350
Array Ind. One Res Rt
Array Induction - R85O
Array Induction - R60O
Array Induction - R40O
Array Induction - R30O
Shallow FE (Phase Corr.)
SS Density Por. 2.68
PE
Density Correction
Bit Size
Density Caliper
2000
Spontaneous Potential
Gamma Ray
DST Uphole Tension

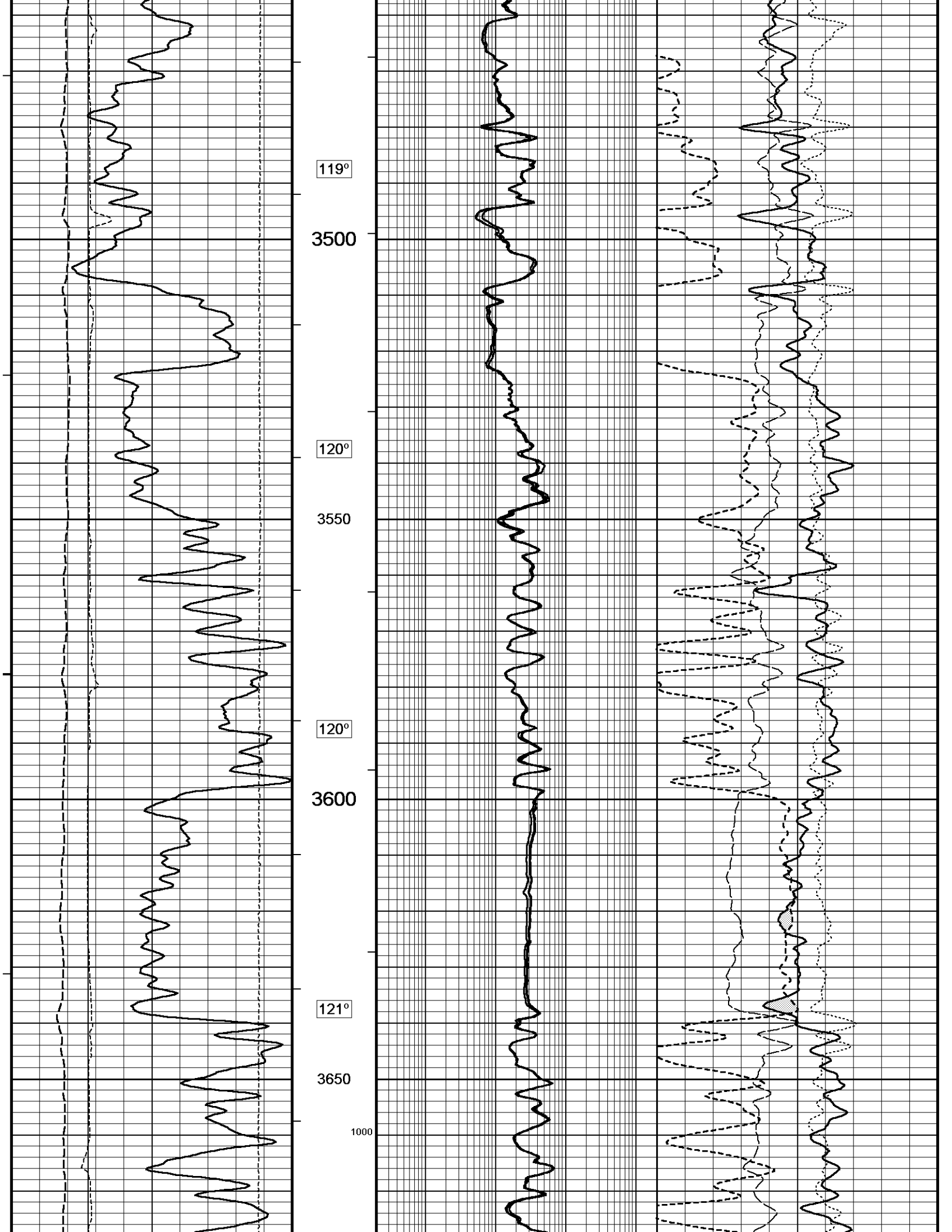

1400
105°
2400
105°
2450
1900
105°
2500
106°
2550

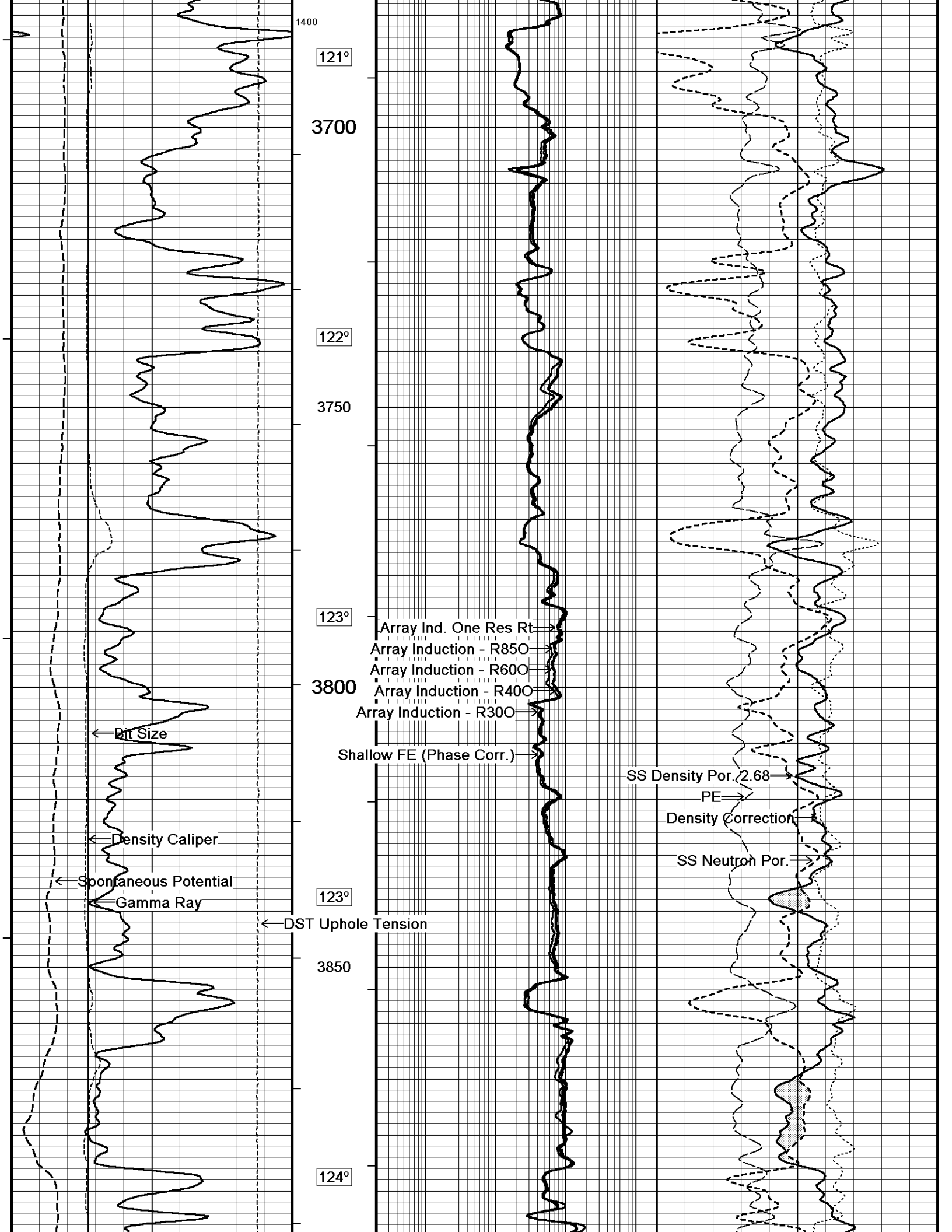

106°
2600
Array Ind. One Res Rt
Array Induction - R85O
Array Induction - R60O
Array Induction - R40O
Array Induction - R30O
Bit Size
Shallow FE (Phase Corr.)
SS Density Por. 2.68
107°
PE
Density Correction
Density Caliper
2650
SS Neutron Por.
Spontaneous Potential
Gamma Ray
DST Uphole Tension
1300
108°
2700
1800
108°
2750
109°

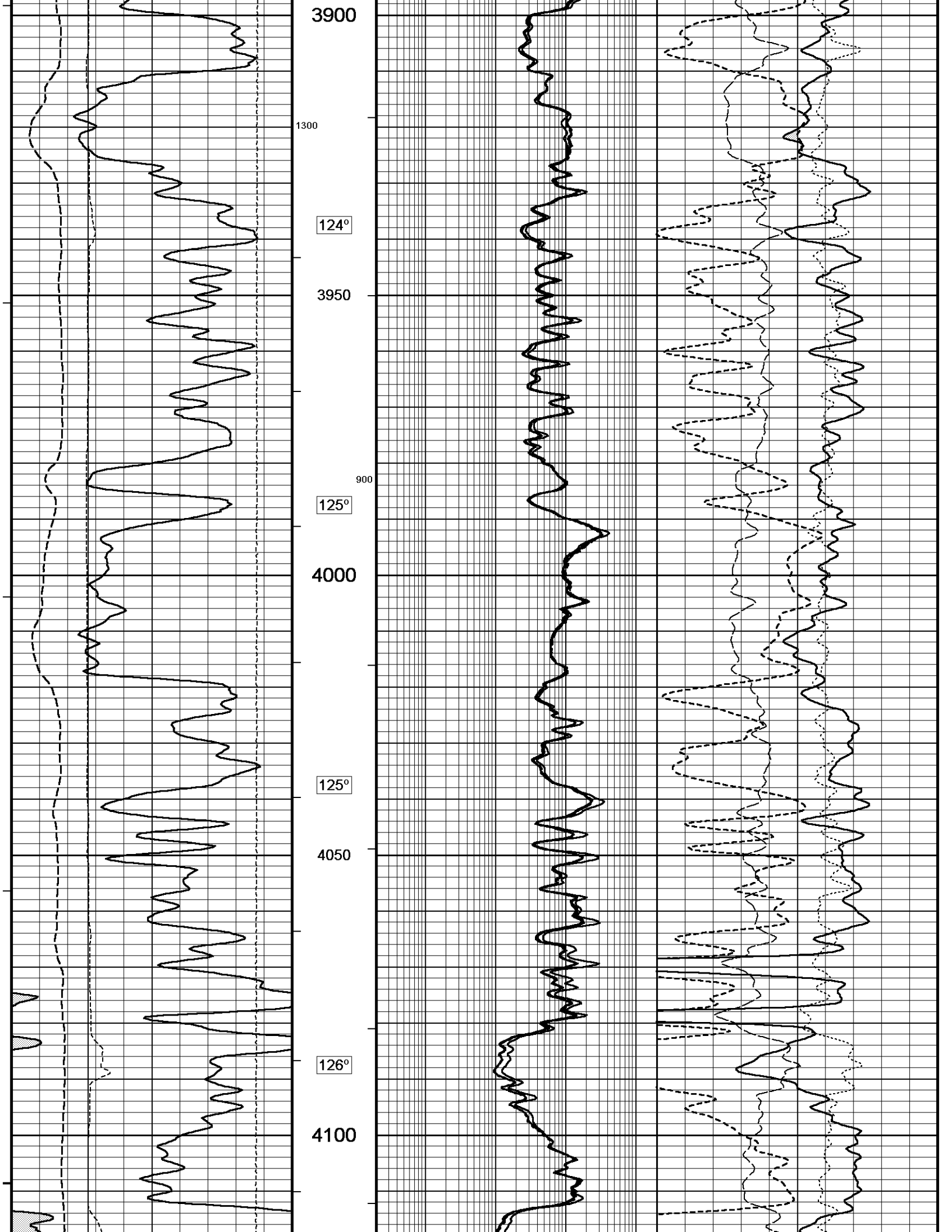

2800
110°
2850
110°
2900
112°
2950
1700
112°
3000
Array Ind. One Res Rt
Array Induction - R85O
Array Induction - R60O
Array Induction - R40O
Array Induction - R30O

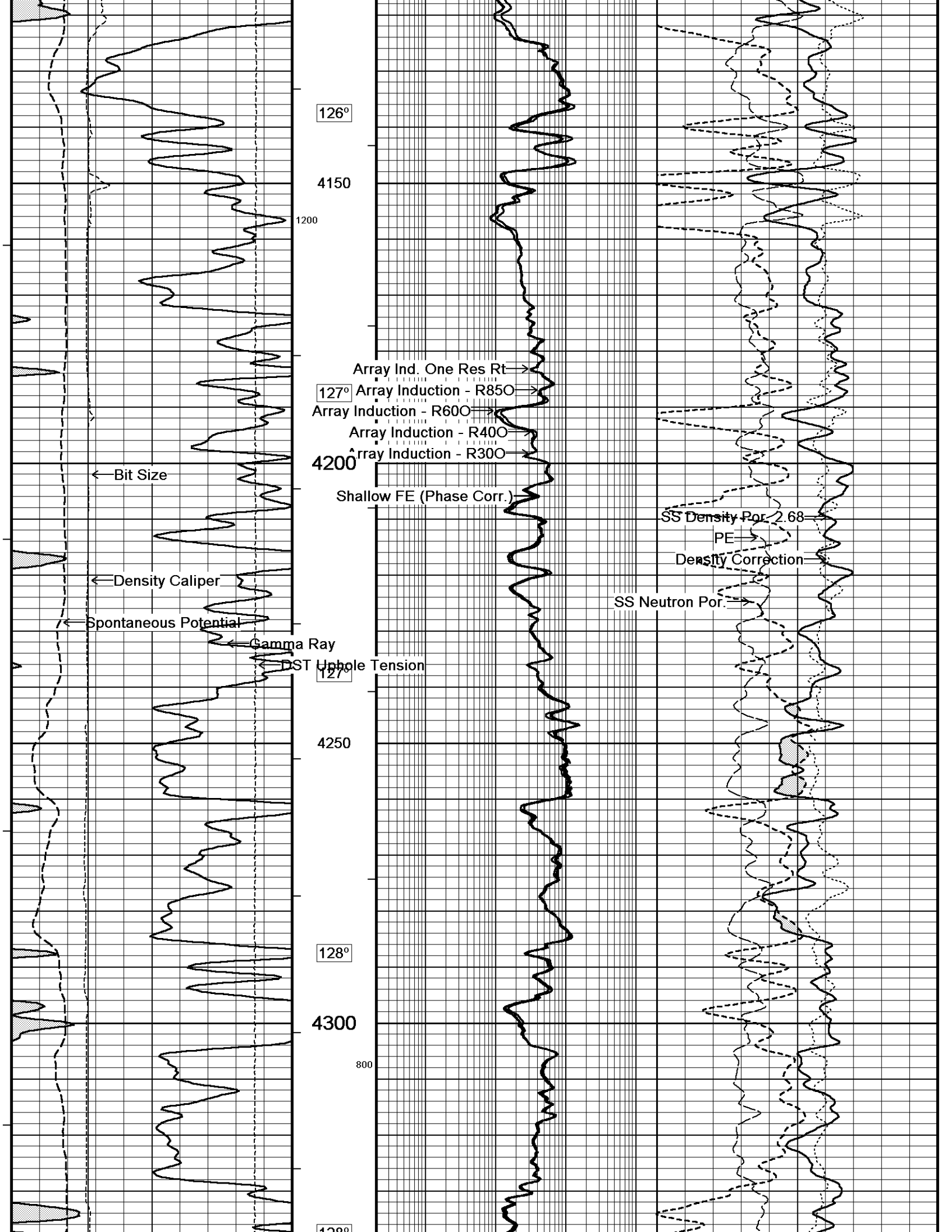

Bit Size
Density Caliper
Spontaneous Potential
Gamma Ray
DST Uphole Tension
Shallow FE (Phase Corr.)
SS Density Por. 2.68
PE
Density Correction
SS Neutron Por.
113°
3050
114°
3100
114°
3150
115°
3200
1600

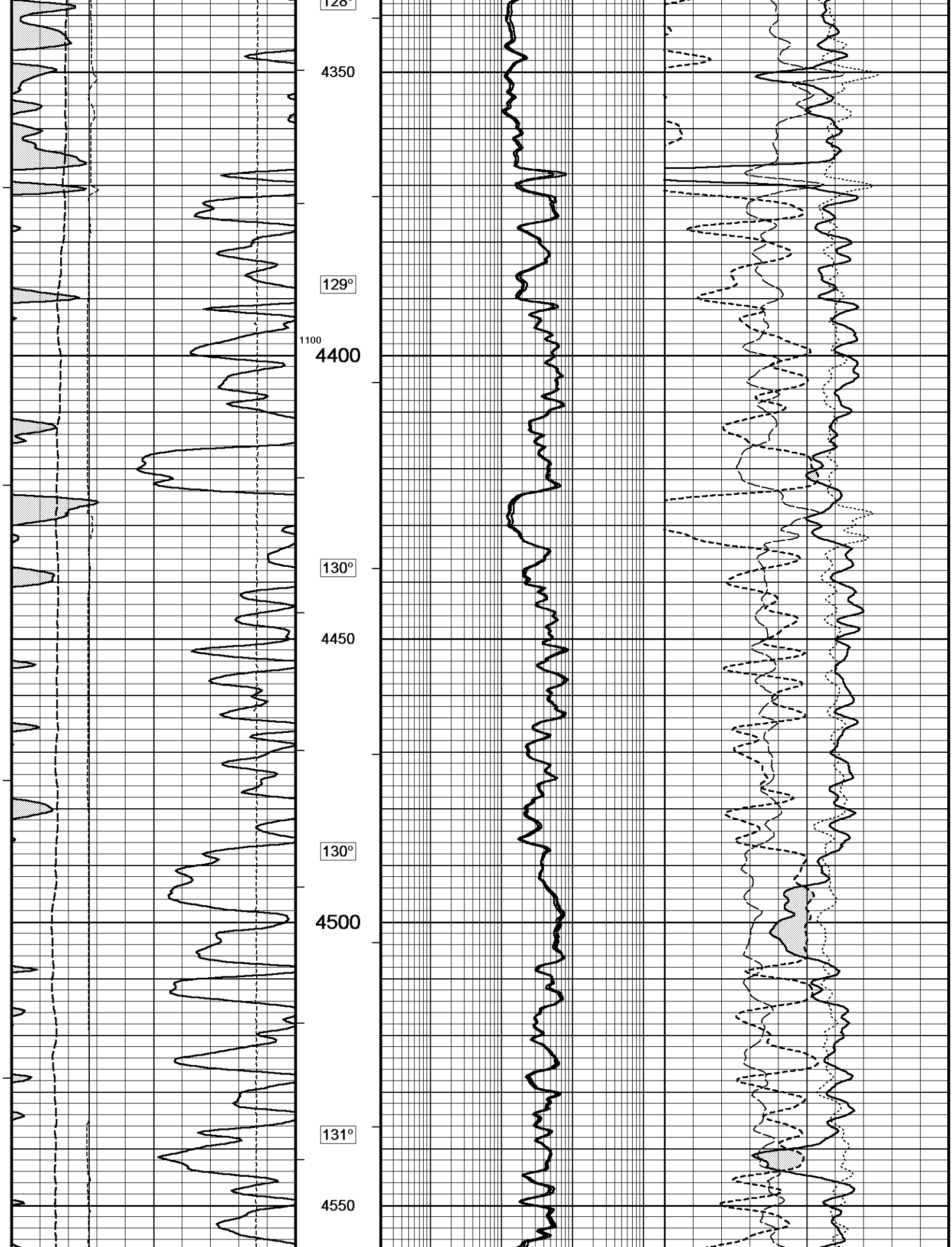

116°
3250
116°
3300
117°
1100
3350
118°
3400
119°
3450
600
Array Ind. One Res Rt
Array Induction - R85O
Array Induction - R60O
Array Induction - R40O
Array Induction - R30O
Shallow FE (Phase Corr.)
SS Density Por. 2.68
PE
Density Correction
SS Neutron Por.
Bit Size
Density Caliper
Spontaneous Potential
Gamma Ray
DST Uphole Tension

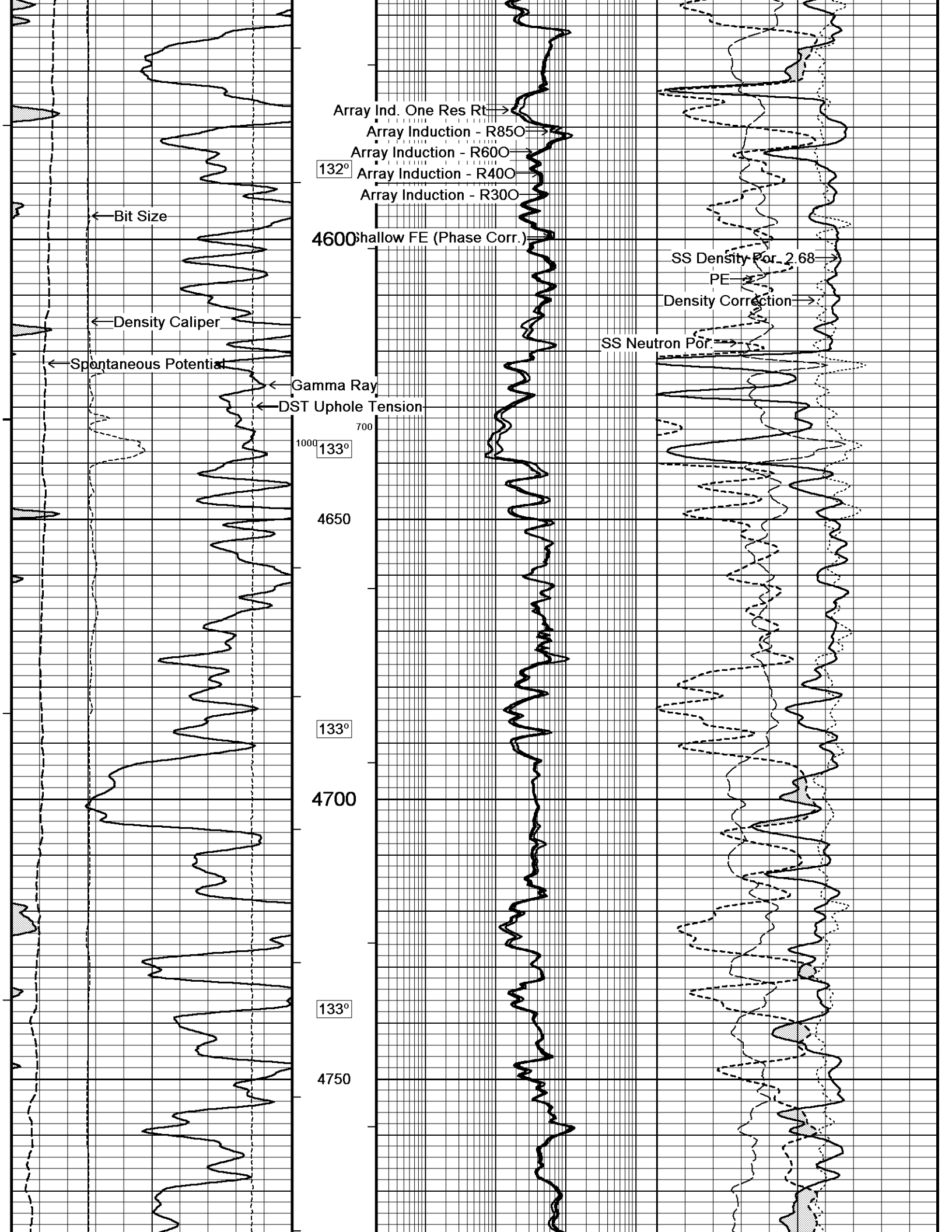

119°
3500
120°
3550
120°
3600
121°
3650
1000

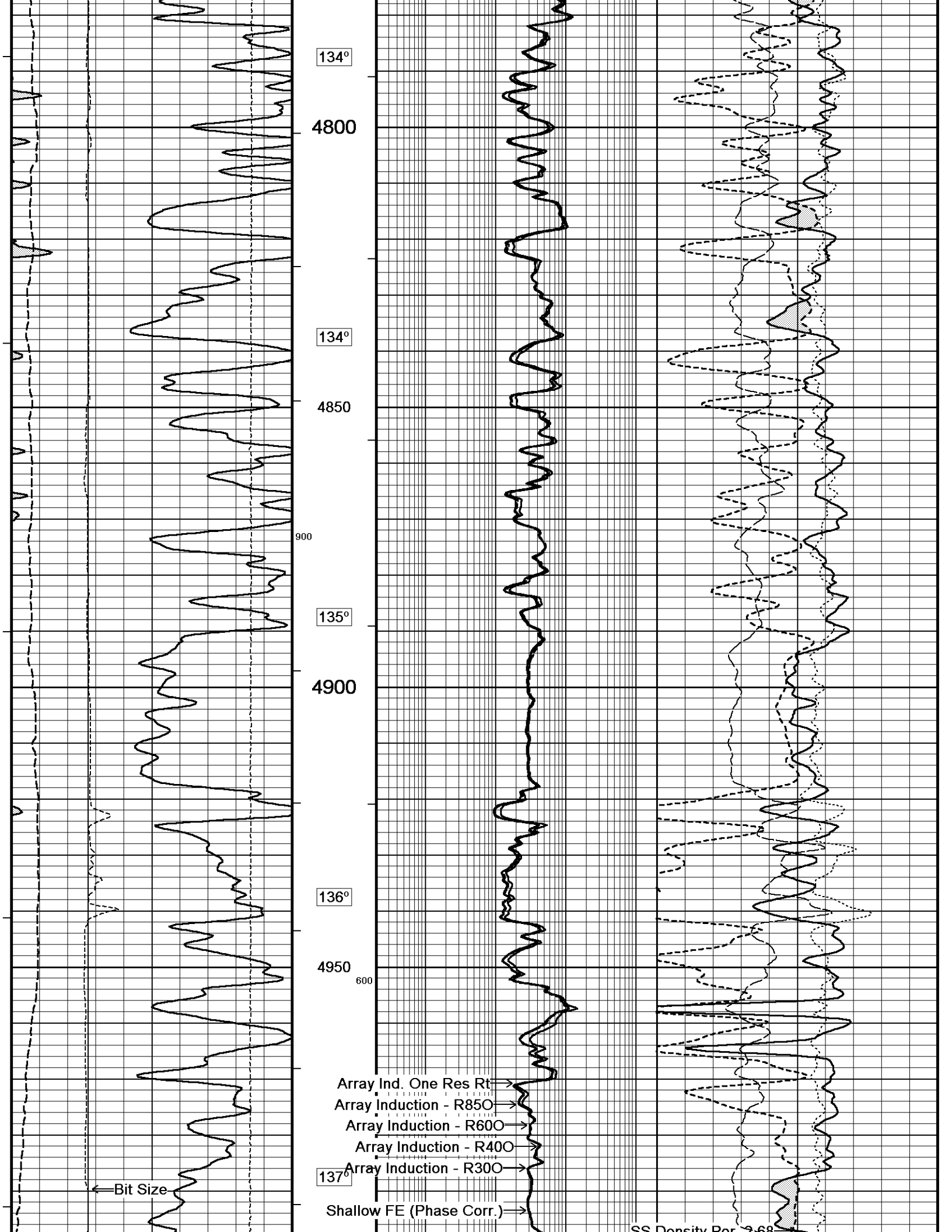

1400
121°
3700
122°
3750
123°
3800
123°
3850
124°
Array Ind. One Res Rt
Array Induction - R85O
Array Induction - R60O
Array Induction - R40O
Array Induction - R30O
Shallow FE (Phase Corr.)
Bit Size
Density Caliper
Spontaneous Potential
Gamma Ray
DST Uphole Tension
SS Density Por. 2.68
PE
Density Correction
SS Neutron Por.

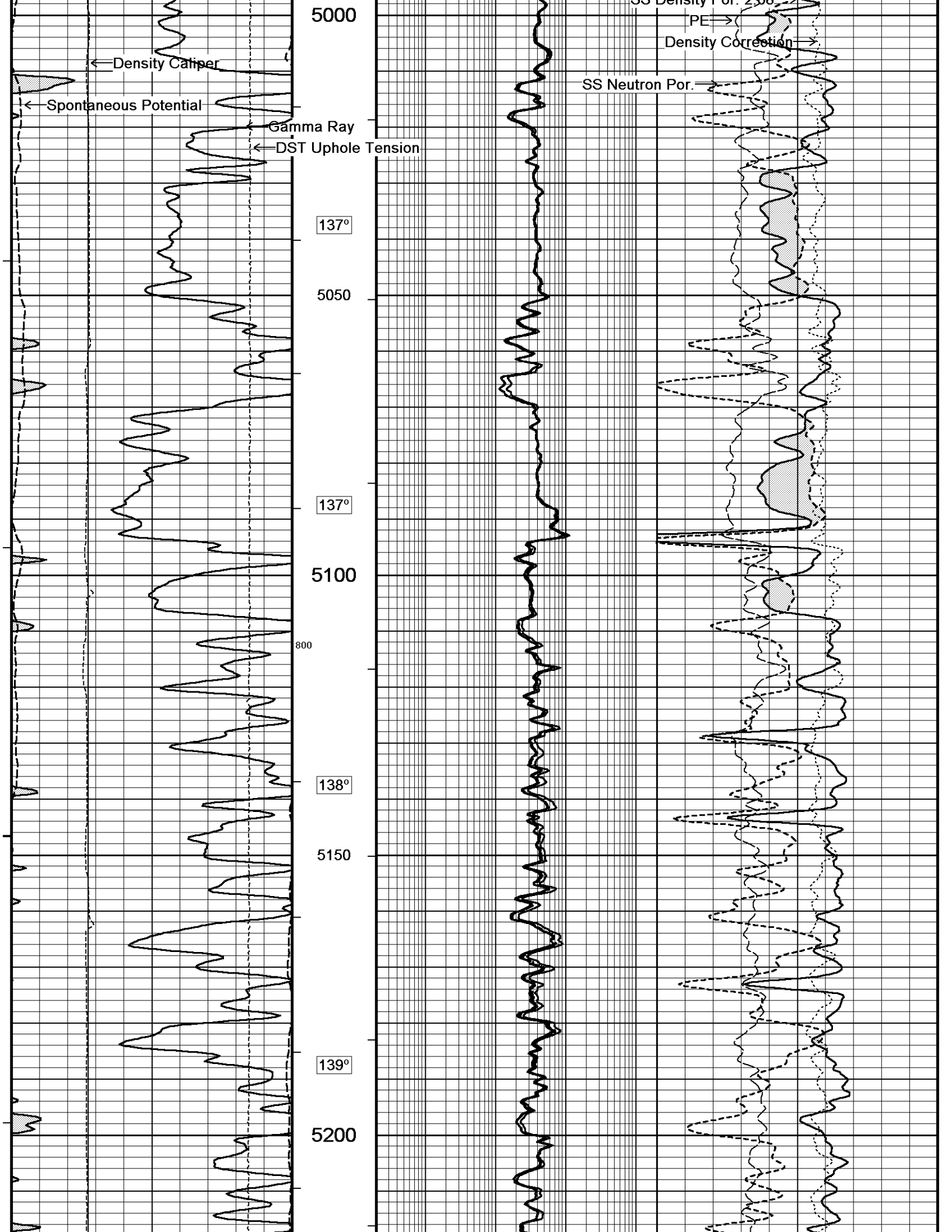

3900
1300
124°
3950
900
125°
4000
125°
4050
126°
4100

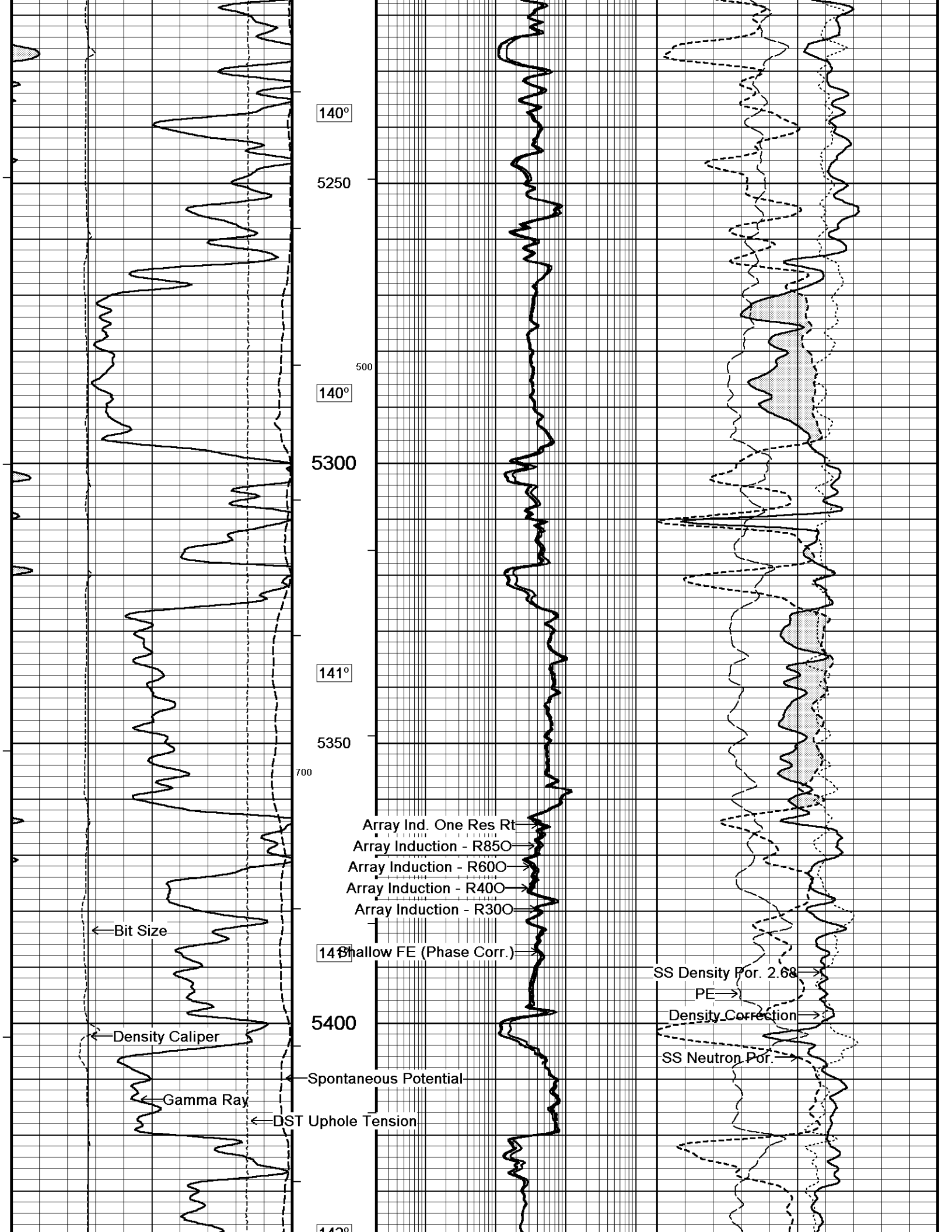

126°
4150
1200
Array Ind. One Res Rt
127°
Array Induction - R85O
Array Induction - R60O
Array Induction - R40O
Array Induction - R30O
4200
Bit Size
Shallow FE (Phase Corr.)
SS Density Por. 2.68
PE
Density Correction
Density Caliper
SS Neutron Por.
Spontaneous Potential
Gamma Ray
DST Uphole Tension
127°
4250
128°
4300
800
128°

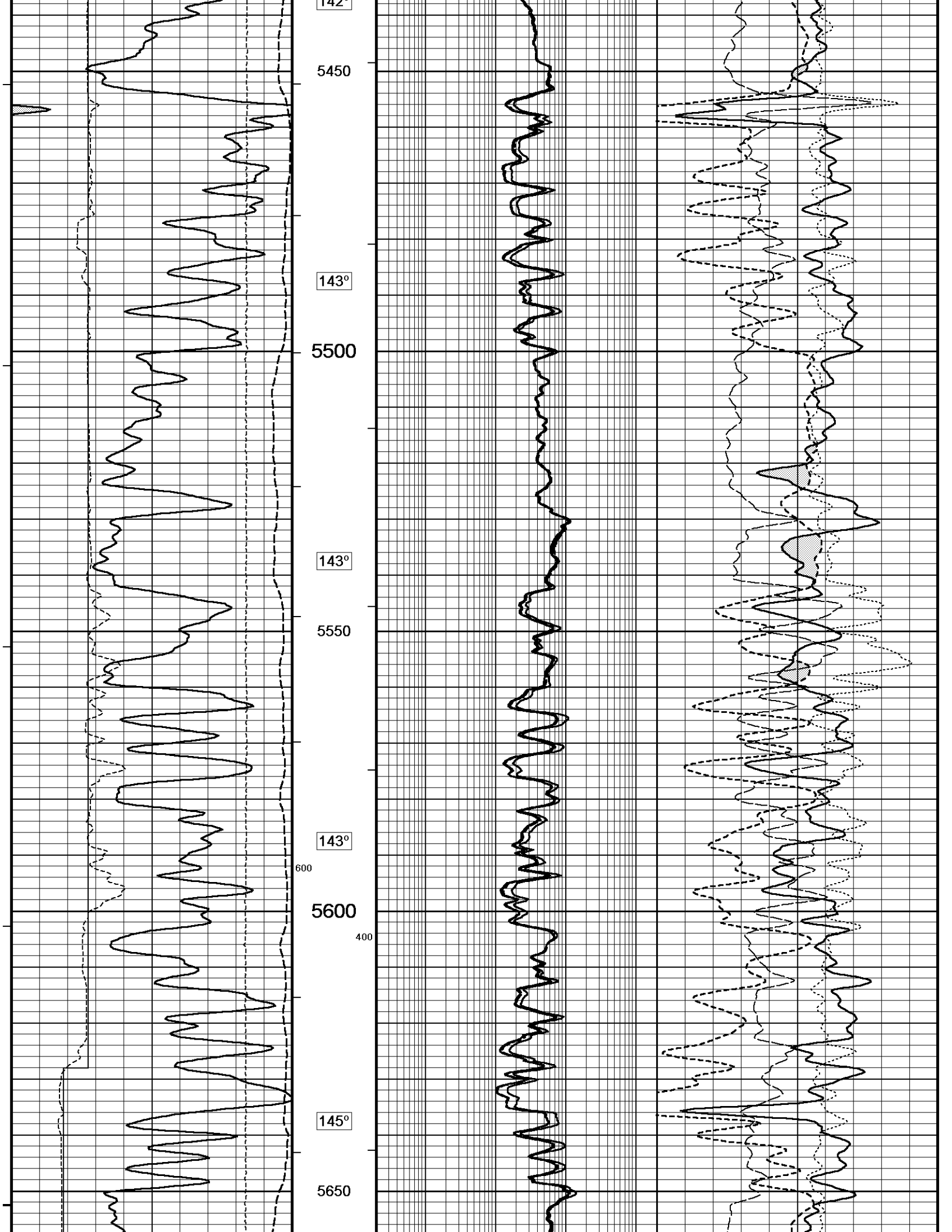

128°
4350
129°
1100
4400
130°
4450
130°
4500
131°
4550

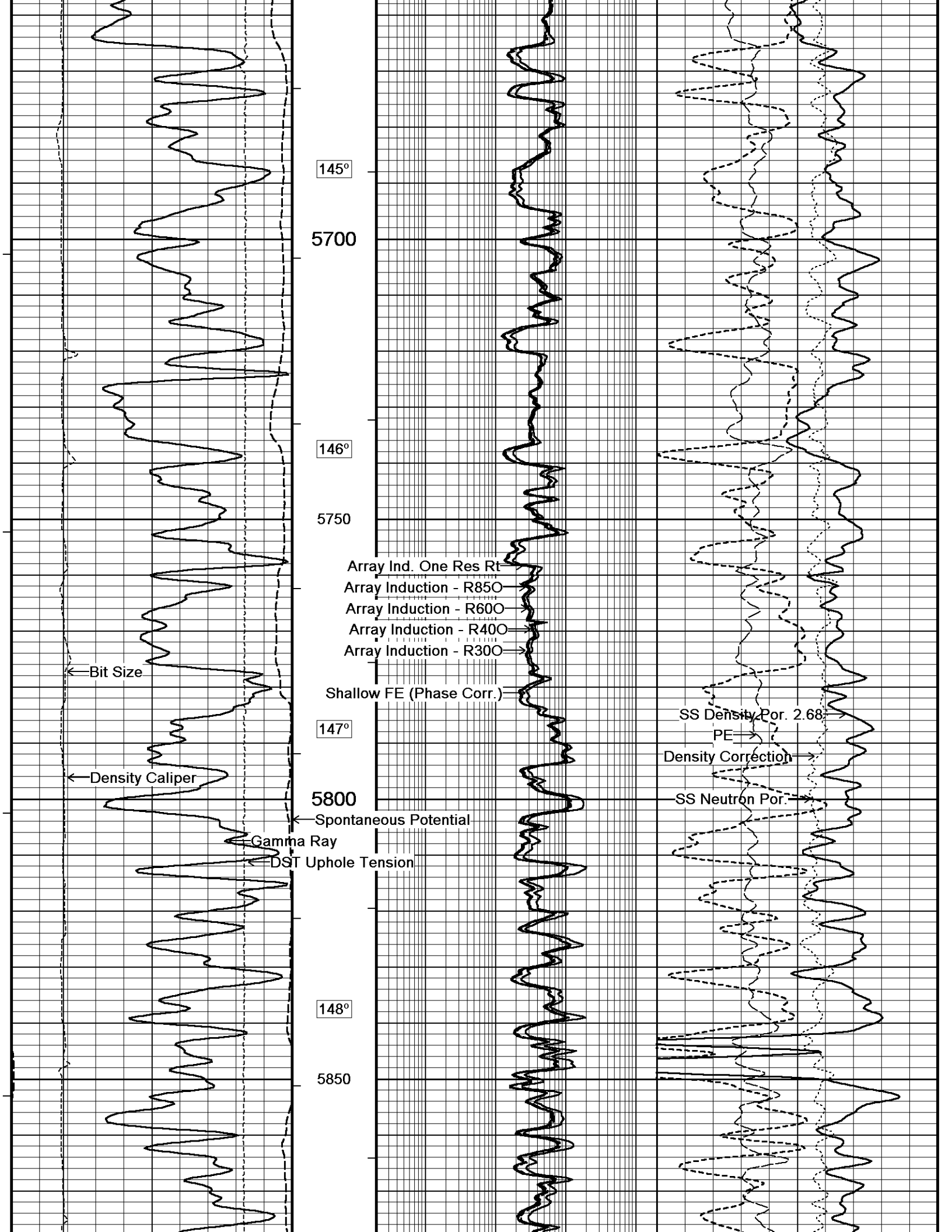

Array Ind. One Res Rt
Array Induction - R85O
Array Induction - R60O
132°
Array Induction - R40O
Array Induction - R30O
Bit Size
4600
Shallow FE (Phase Corr.)
SS Density Por. 2.68
PE
Density Correction
Density Caliper
SS Neutron Por.
Spontaneous Potential
Gamma Ray
DST Uphole Tension
700
1000
133°
4650
133°
4700
133°
4750

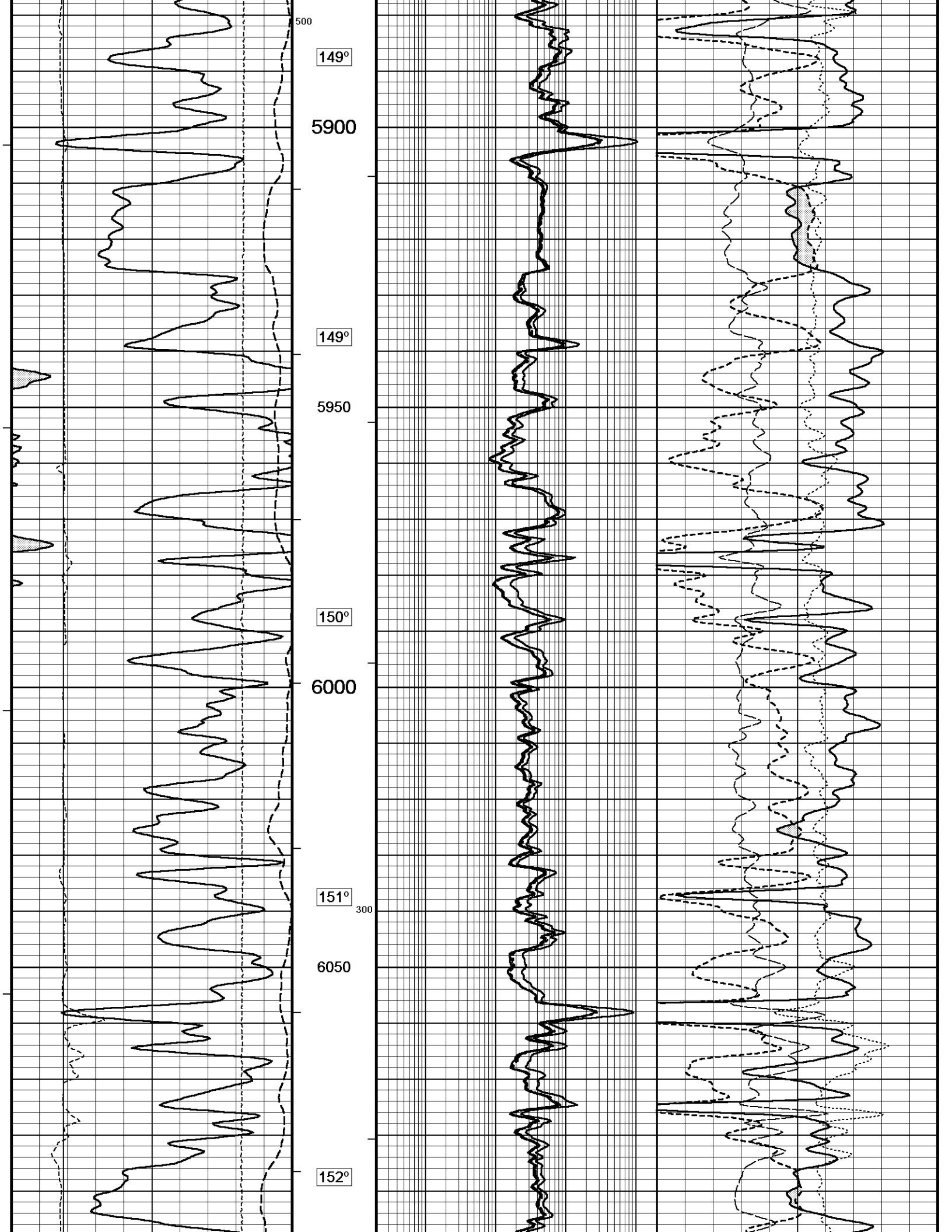

134°
4800
134°
4850
900
135°
4900
136°
4950
600
137°
Array Ind. One Res Rt
Array Induction - R85O
Array Induction - R60O
Array Induction - R40O
Array Induction - R30O
Bit Size
Shallow FE (Phase Corr.)

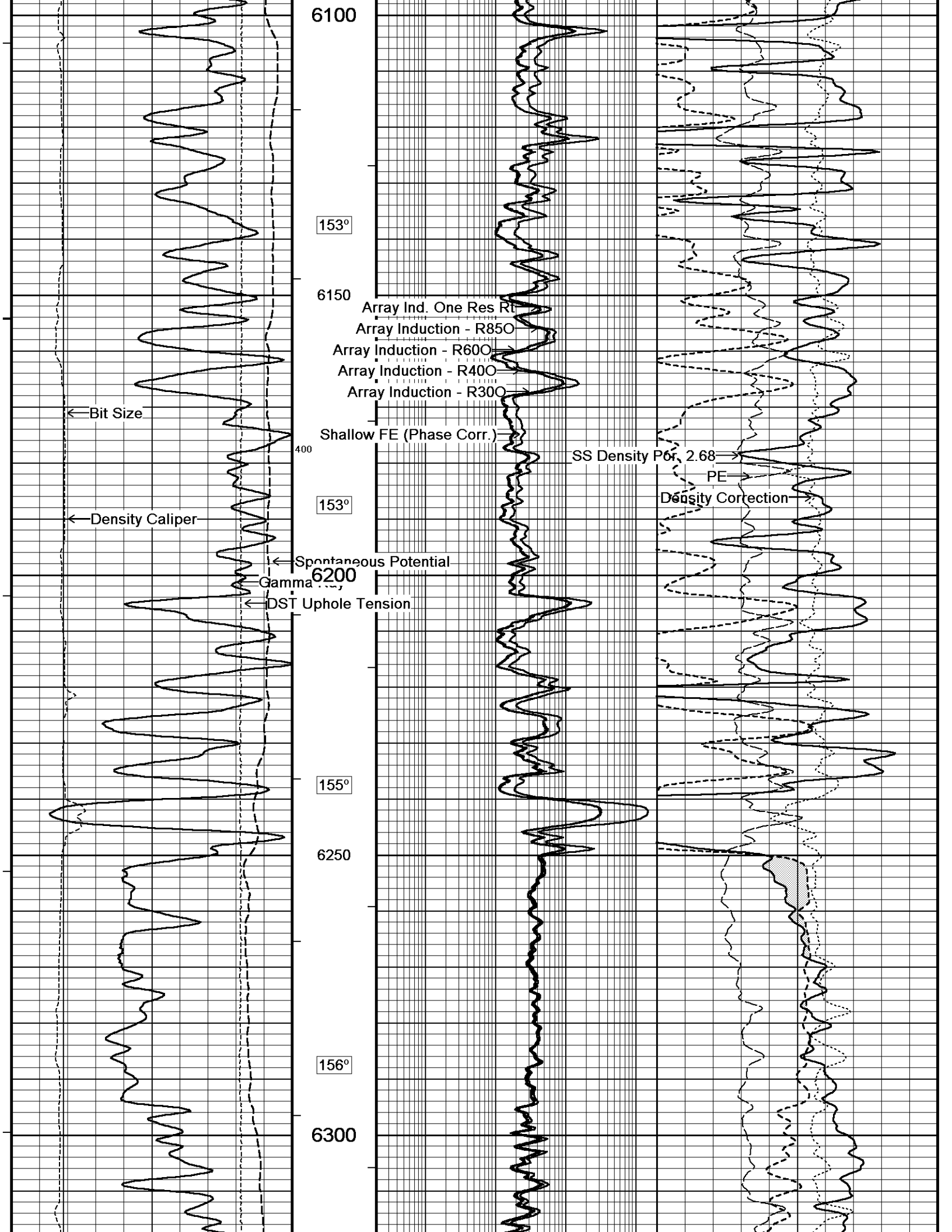

5000
Density Caliper
Spontaneous Potential
Gamma Ray
DST Uphole Tension
137°
5050
137°
5100
800
138°
5150
139°
5200
SS Density Por. 2.56
PE
Density Correction
SS Neutron Por.

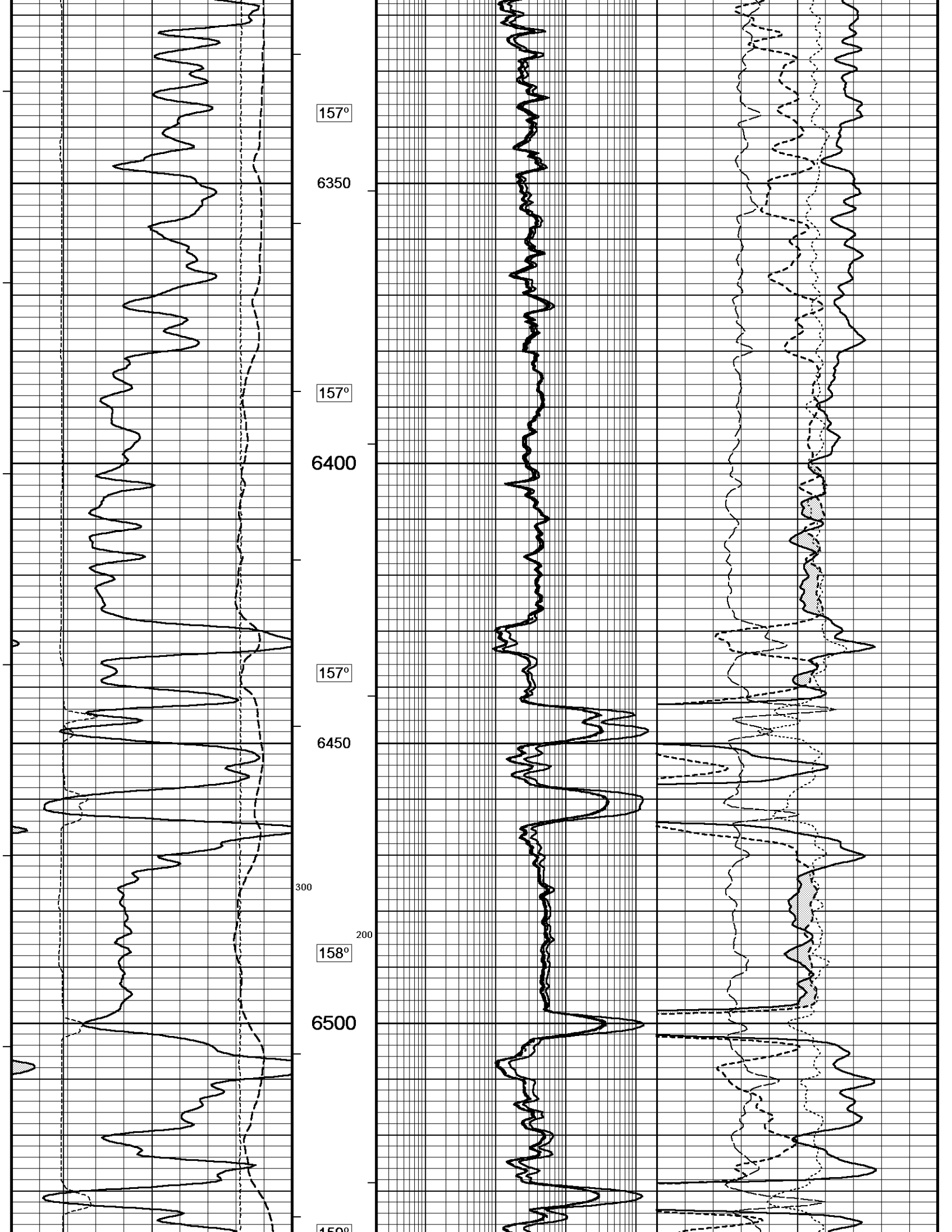

140°
5250
500
140°
5300
141°
5350
700
Array Ind. One Res Rt
Array Induction - R85O
Array Induction - R60O
Array Induction - R40O
Array Induction - R30O
Bit Size
141
Shallow FE (Phase Corr.)
SS Density Por. 2.68
PE
Density Correction
5400
Density Caliper
SS Neutron Por.
Spontaneous Potential
Gamma Ray
DST Uphole Tension

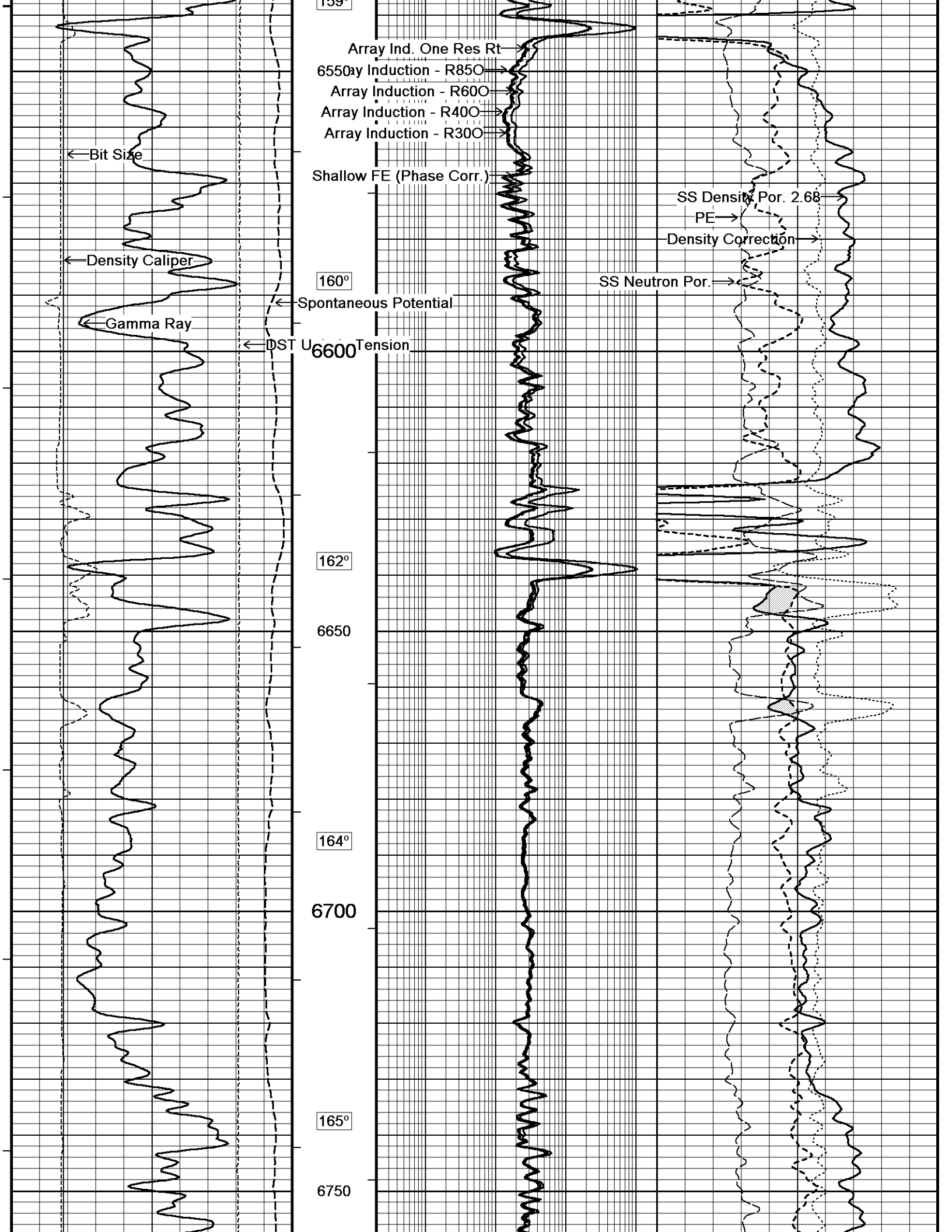

142°
5450
143°
5500
143°
5550
143°
600
5600
400
145°
5650

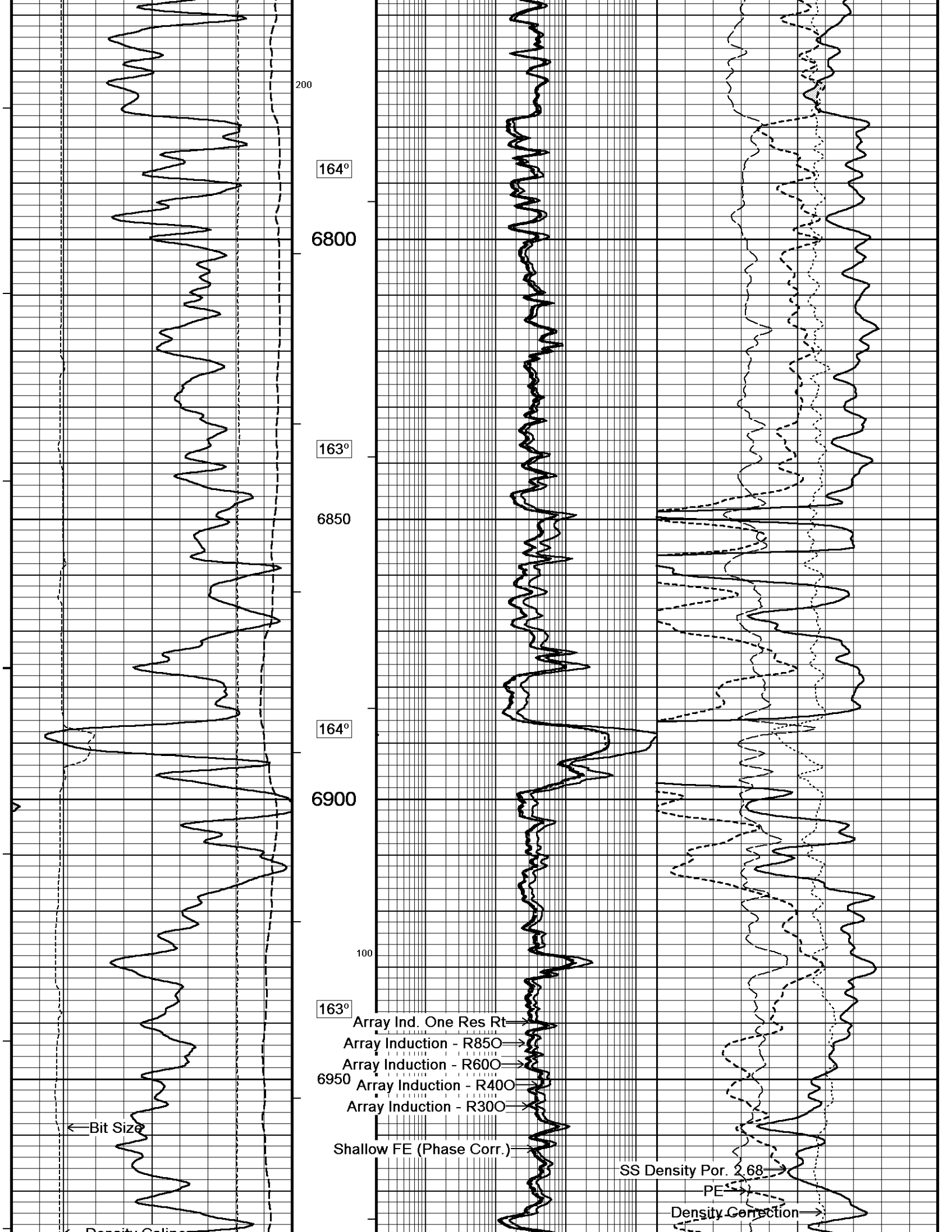

145°
5700
146°
5750
Array Ind. One Res Rt
Array Induction - R85O
Array Induction - R60O
Array Induction - R40O
Array Induction - R30O
Bit Size
Shallow FE (Phase Corr.)
147°
SS Density Por. 2.68
PE
Density Correction
Density Caliper
5800
SS Neutron Por.
Spontaneous Potential
Gamma Ray
DST Uphole Tension
148°
5850

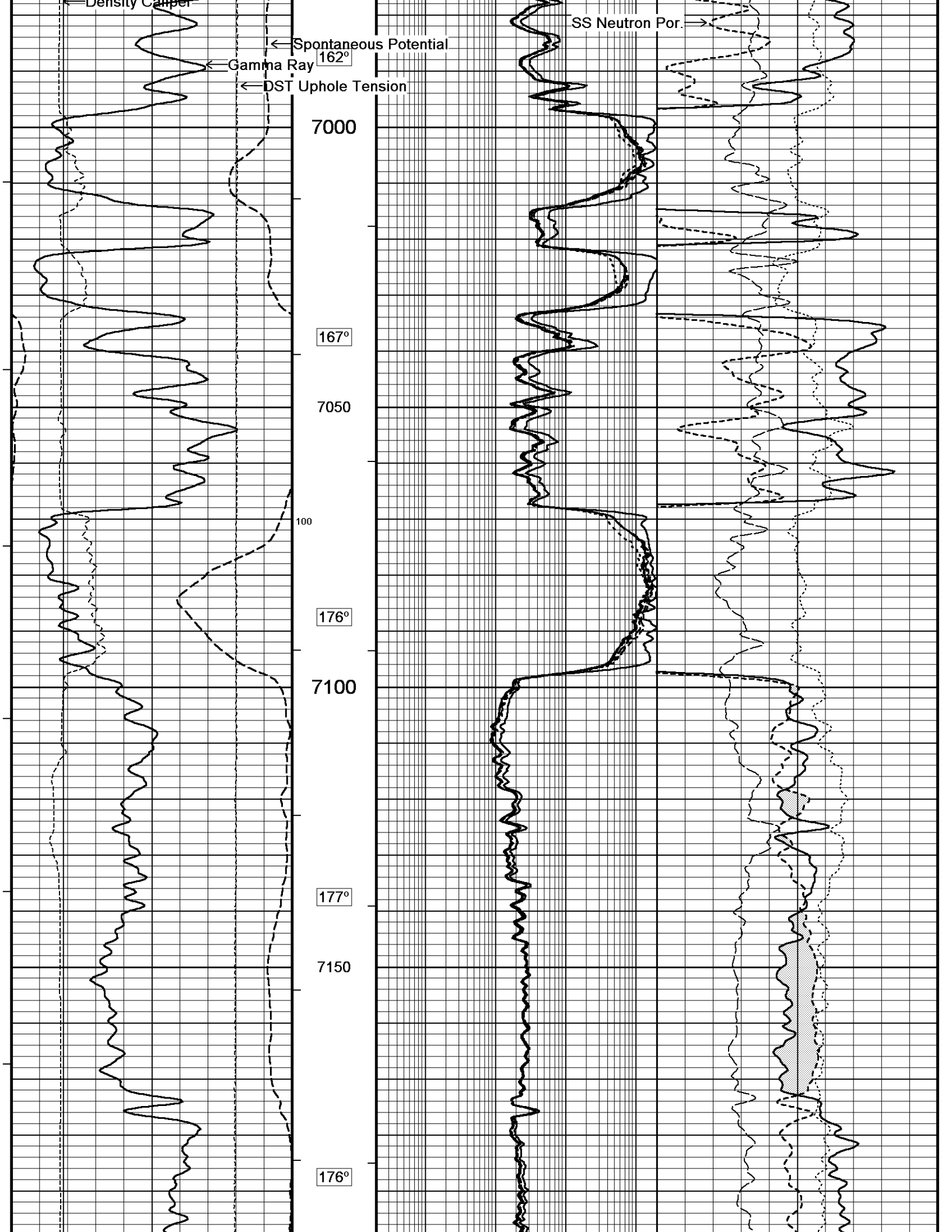

500
149°
5900
149°
5950
150°
6000
151°
300
6050
152°

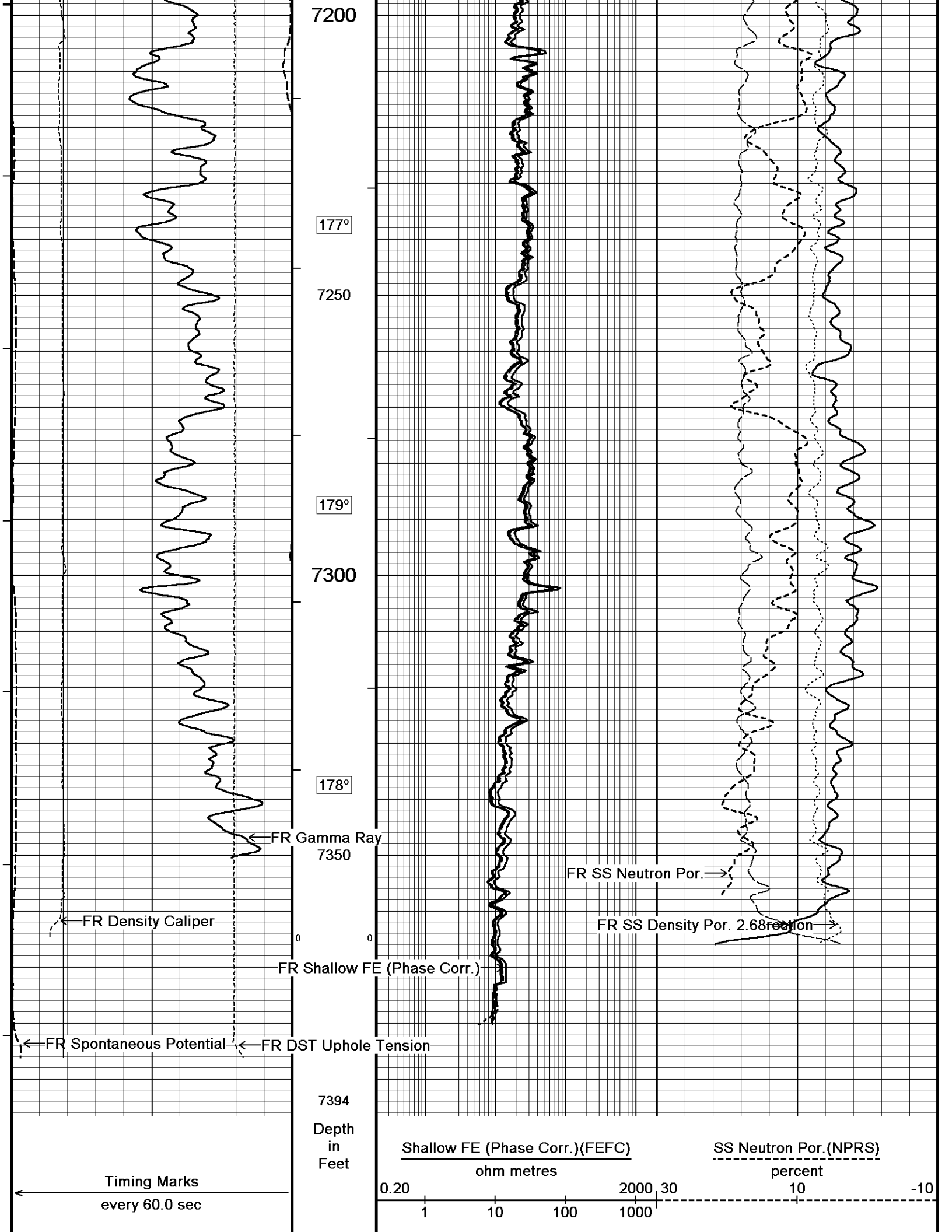

6100
153°
6150
Array Ind. One Res Rt
Array Induction - R85O
Array Induction - R60O
Array Induction - R40O
Array Induction - R30O
Bit Size
Shallow FE (Phase Corr.)
400
SS Density Por, 2.68
PE
Density Correction
153°
Density Caliper
Spontaneous Potential
6200
Gamma Ray
DST Uphole Tension
155°
6250
156°
6300

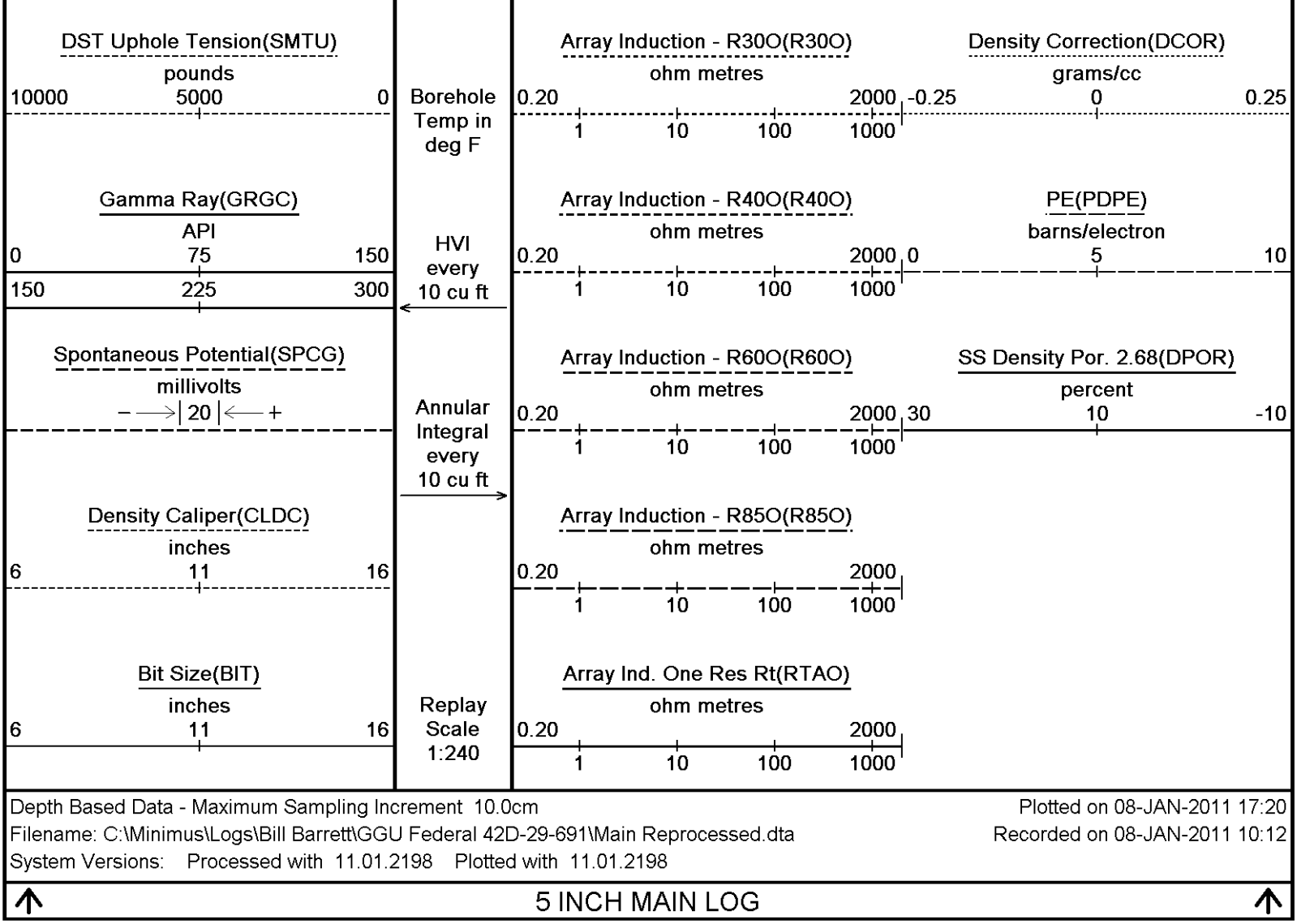

157°
6350
157°
6400
157°
6450
300
200
158°
6500


159°
Array Ind. One Res Rt
6550
Array Induction - R85O
Array Induction - R60O
Array Induction - R40O
Array Induction - R30O
Bit Size
Shallow FE (Phase Corr.)
SS Density Por. 2.68
PE
Density Correction
Density Caliper
160°
SS Neutron Por.
Spontaneous Potential
Gamma Ray
DST U Tension
6600
162°
6650
164°
6700
165°
6750


200
164°
6800
163°
6850
164°
6900
100
163°
6950
Array Ind. One Res Rt
Array Induction - R85O
Array Induction - R60O
Array Induction - R40O
Array Induction - R30O
Shallow FE (Phase Corr.)
SS Density Por. 2.68
PE
Density Correction
Bit Size


Density Caliper
Spontaneous Potential
Gamma Ray
DST Uphole Tension
SS Neutron Por.
162°
7000
167°
7050
100
176°
7100
177°
7150
176°


7200
177°
7250
179°
7300
178°
FR Gamma Ray
7350
FR Density Caliper
FR SS Neutron Por.
FR SS Density Por. 2.68reation
0
0
FR Shallow FE (Phase Corr.)
FR Spontaneous Potential
FR DST Uphole Tension
7394
Depth
in
Feet
Timing Marks
every 60.0 sec
Shallow FE (Phase Corr.)(FEFC)
ohm metres
0.20
2000
1
10
100
1000
SS Neutron Por.(NPRS)
percent
30
10
-10

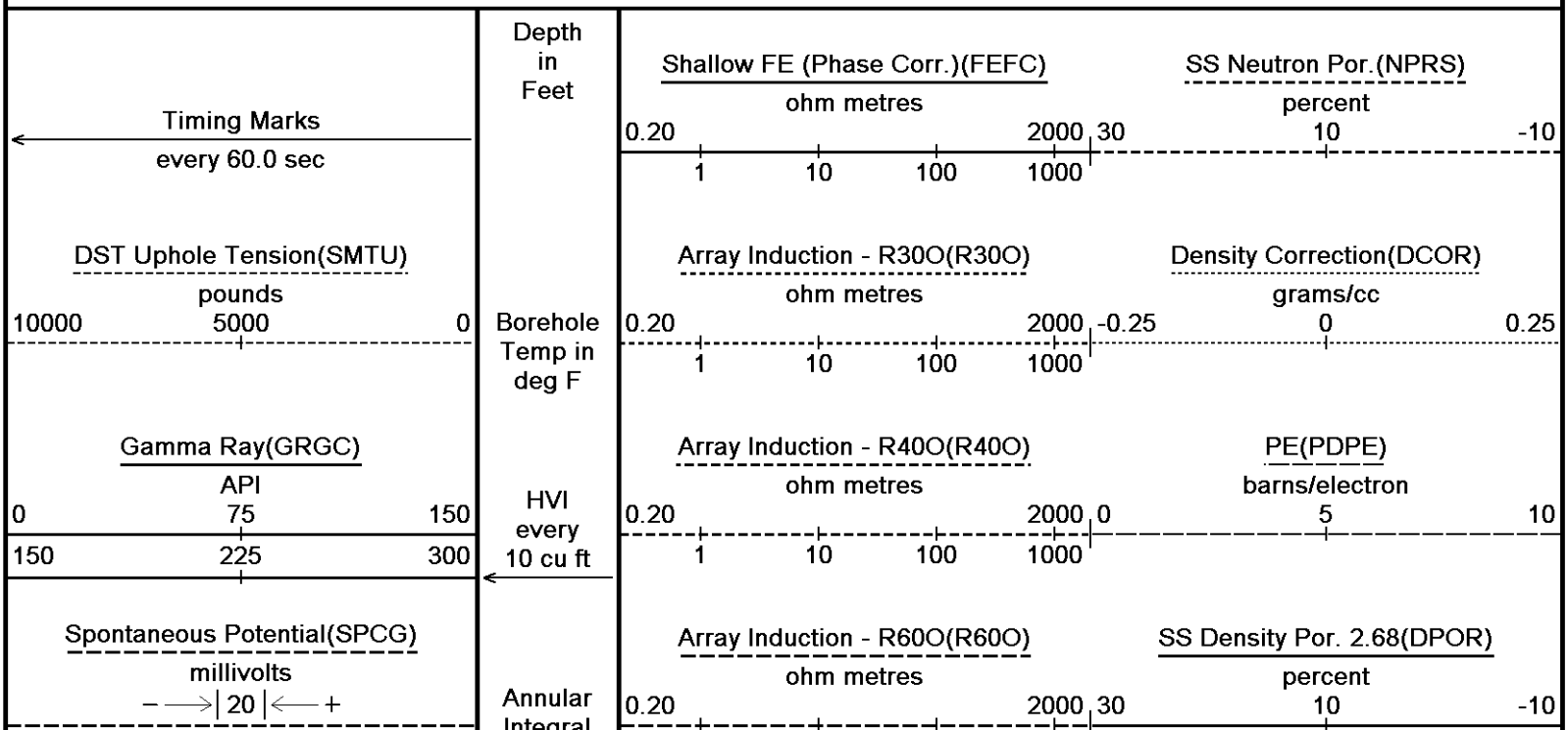


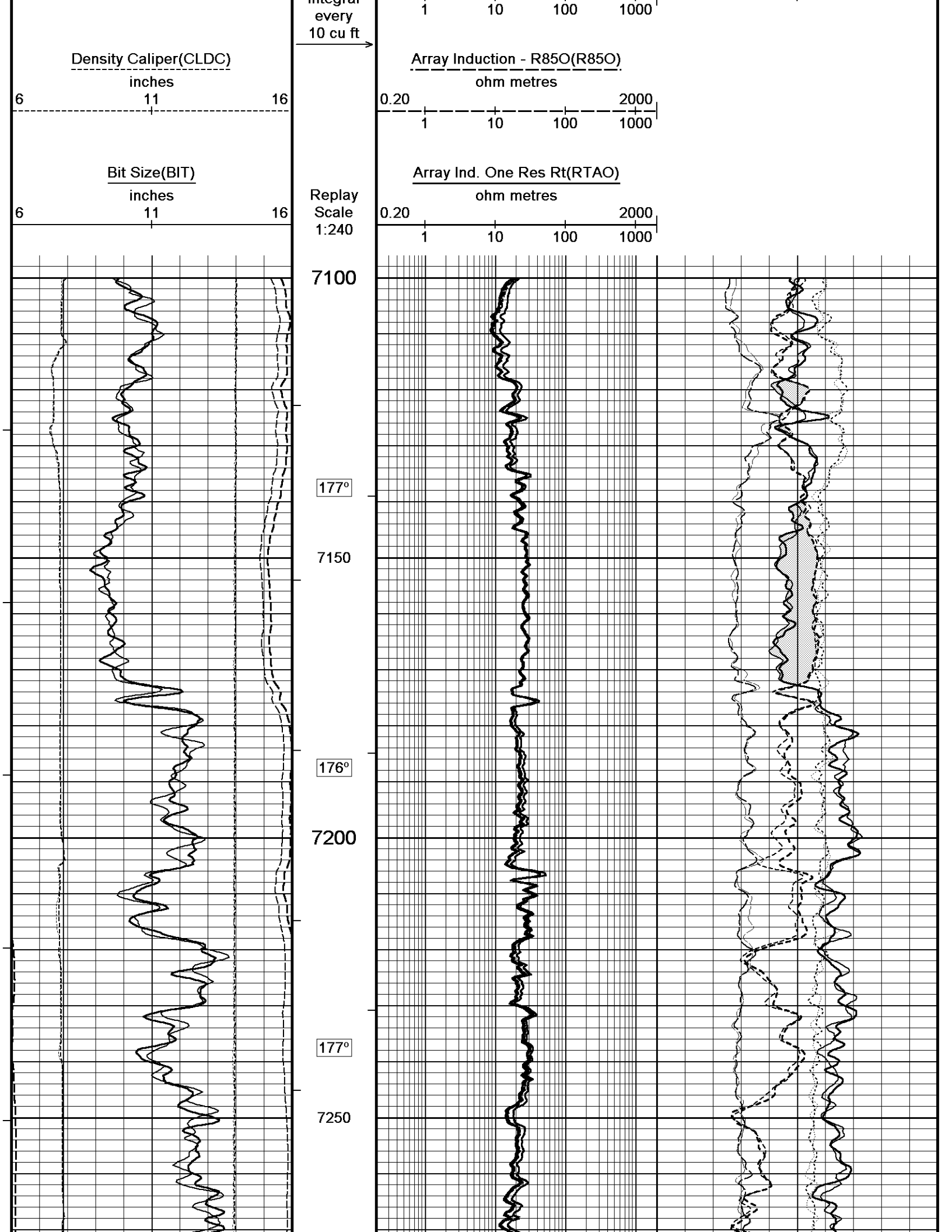
Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 08-JAN-2011 17:20
Filename: C:\Minimus\Logs\Bill Barrett\GGU Federal 42D-29-691\Main Reprocessed.dta
Recorded on 08-JAN-2011 10:12
System Versions: Processed with 11.01.2198 Plotted with 11.01.2198

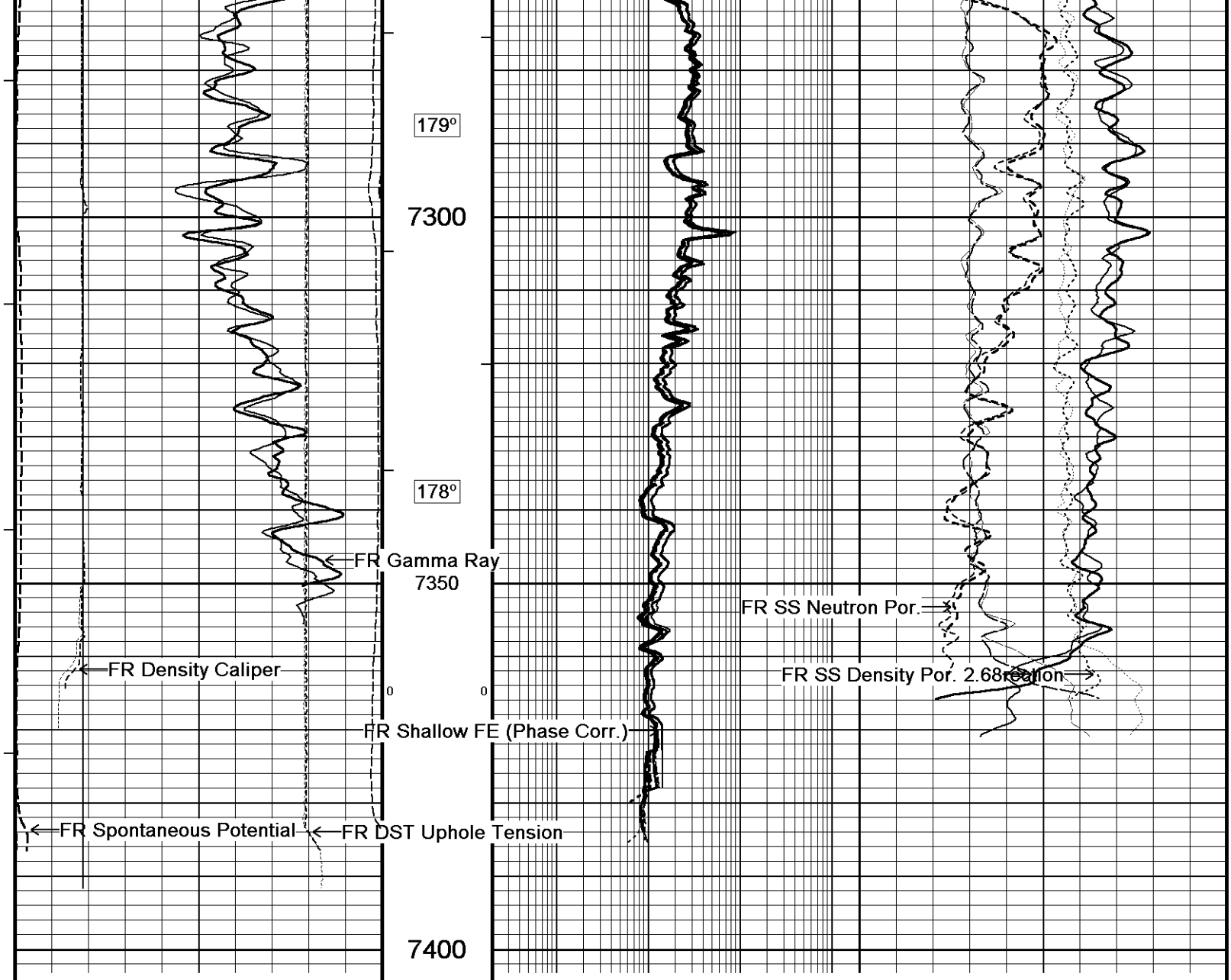
5 INCH MAIN LOG

OVERLAY

Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 08-JAN-2011 17:20
Filename: C:\Minimus\Logs\Bill Barrett\GGU Federal 42D-29-691\Main Reprocessed.dta
Recorded on 08-JAN-2011 10:12
Filename: C:\Minimus\Logs\Bill Barrett\GGU Federal 42D-29-691\Repeat Reprocessed.dta
Recorded on 08-JAN-2011 08:59
System Versions: Processed with 11.01.2198 Plotted with 11.01.2198




1 10 100 1000
every
10 cu ft
Density Caliper(CLDC)
inches
6 11 16
Array Induction - R85O(R85O)
ohm metres
0.20 2000
1 10 100 1000
Bit Size(BIT)
inches
6 11 16
Array Ind. One Res Rt(RTAO)
ohm metres
0.20 2000
1 10 100 1000
Replay
Scale
1:240
7100
177°
7150
176°
7200
177°
7250



Depth in Feet

Timing Marks
every 60.0 sec

DST Uphole Tension(SMTU)
pounds
10000 5000 0

Gamma Ray(GRGC)
API
0 75 150
150 225 300

Spontaneous Potential(SPCG)
millivolts
– → | 20 | ← +

Density Caliper(CLDC)

Borehole Temp in deg F

HVI every 10 cu ft

Annular Integral every 10 cu ft

Shallow FE (Phase Corr.)(FEFC)
ohm metres
0.20 2000
1 10 100 1000

SS Neutron Por.(NPRS)
percent
30 10 -10

Array Induction - R30O(R30O)
ohm metres
0.20 2000
1 10 100 1000

Density Correction(DCOR)
grams/cc
-0.25 0 0.25

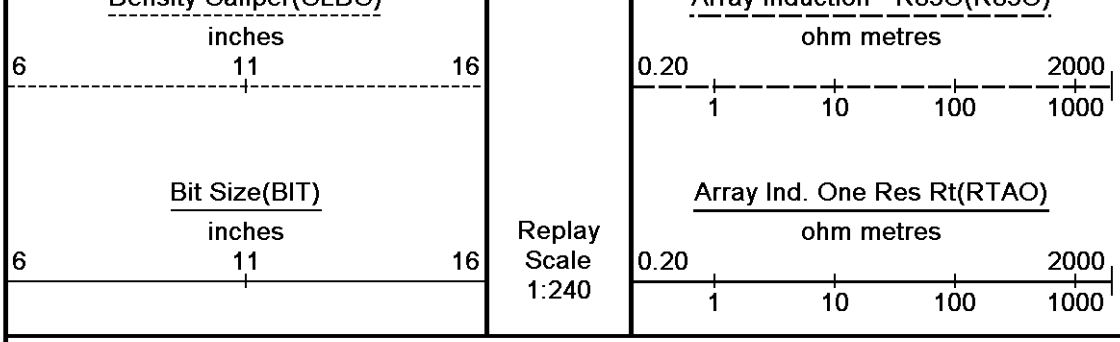
Array Induction - R40O(R40O)
ohm metres
0.20 2000
1 10 100 1000

PE(PDPE)
barns/electron
0 5 10

Array Induction - R60O(R60O)
ohm metres
0.20 2000
1 10 100 1000

SS Density Por. 2.68(DPOR)
percent
30 10 -10

Array Induction - R85O(R85O)



Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 08-JAN-2011 17:20
Filename: C:\Minimus\Logs\Bill Barrett\GGU Federal 42D-29-691\Main Reprocessed.dta — Recorded on 08-JAN-2011 10:12
Filename: C:\Minimus\Logs\Bill Barrett\GGU Federal 42D-29-691\Repeat Reprocessed.dta — Recorded on 08-JAN-2011 08:59
System Versions: Processed with 11.01.2198 Plotted with 11.01.2198

OVERLAY

BEFORE SURVEY CALIBRATION

C:\Minimus\Logs\Bill Barrett\GGU Federal 42D-29-691\MS1.dta

General Constants All 000

Last Edited on 08-JAN-2011,07:44

General Parameters		
Mud Resistivity	3.300	ohm-metres
Mud Resistivity Temperature	70.000	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	4.500	inches
Caliper for Differential Caliper	None	
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 08-JAN-2011 07:54

Reading No	Measured	Calibrated (lbs)
1	16086.58	0.00
2	16699.67	200.00

High Resolution Temperature Calibration MCG-C 192

Field Calibration on 08-JAN-2011,07:03

	Measured	Calibrated(Deg F)
Lower	50.00	50.00
Upper	75.00	75.00

High Resolution Temperature Constants MCG-C 192

Last Edited on 13-DEC-2010,09:50

Pre-filter Length	11

SP Calibration MCG-C 192

Field Calibration on 08-JAN-2011,07:03

	Measured	Calibrated (mV)
Reference 1	102.5	101.0
Reference 2	-98.8	-101.0

Gamma Calibration MCG-C 192

Field Calibration on 08-JAN-2011 07:29

	Measured	Calibrated (API)
Background	40	27
Calibrator (Gross)	1374	939
Calibrator (Net)	1335	912

Gamma Constants MCG-C 192

Last Edited on 03-JAN-2011,01:18

Gamma Calibrator Number	GRC-072	
Mud Density	1.00	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

Neutron Calibration MDN-A.B 160

Base Calibration on 25-DEC-2010,03:47
Field Check on 08-JAN-2011 07:33

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3208	98	3714	110
Ratio	32.812		33.764	

Field Calibrator at Base

	Calibrated (cps)	
	1323	1983
Ratio	0.667	

Field Check

	Calibrated (cps)	
	1325	1961
Ratio	0.675	

Neutron Constants MDN-A.B 160

Last Edited on 08-JAN-2011,10:33

Neutron Source Id	1056	
Neutron Jig Number	5922	
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	None	
Temperature	N/A	degrees F
Mud Salinity	0.00	kppm
Formation Fluid Salinity Source	None	
Formation Fluid Salinity	N/A	kppm
Barite Mud Correction	Not Applied	

FE Calibration MFE-A.A 85

Base Calibration on 04-JAN-2011 14:22
Field Check on 08-JAN-2011 07:40

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	968.2	126.8
Base Check		280.9
Field Check		280.8

FE Constants MFE-A.A 85

Last Edited on 08-JAN-2011,07:05

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	0.5	inches

High Resolution Temperature Calibration MAI-B.A 212

Field Calibration on 08-JAN-2011,07:03

	Measured	Calibrated(Deg F)
Lower	10.00	50.00
Upper	100.00	212.00

High Resolution Temperature Constants MAI-B.A 212

Last Edited on 03-JAN-2011,01:08

Pre-filter Length	11

Induction Calibration MAI-B.A 212

Base Calibration on 12-NOV-2010,10:48
Field Check on 08-JAN-2011 07:43

Base Calibration

Test Loop Calibration	Measured		Calibrated (mmho/m)	
Channel	Low	High	Low	High
1	16.6	473.9	9.3	966.2
2	6.2	387.5	7.6	821.4
3	3.9	263.1	5.2	566.0
4	2.0	132.9	2.6	279.2

Array Temperature 71.2 Deg F

Channel	Base Check (mmho/m)		Field Check (mmho/m)		
	Low	High	Low	High	
1	12.8	3844.3	13.6	3845.6	
2	28.9	3491.0	29.7	3491.7	
3	26.9	3023.1	27.6	3023.7	
4	19.2	2087.9	19.6	2088.2	
Deep	16.6	2014.7	17.0	2015.1	
Medium	38.8	3940.2	39.6	3940.9	
Shallow	43.2	5104.3	44.2	5105.3	
Array Temperature		58.6		57.6	Deg F

Induction Constants MAI-B.A 212

Last Edited on 08-JAN-2011,07:00

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	0.50	inches
Number of Fins on Stand-off	6.0000	
Stand-off Fin Angle	60.00	degrees
Stand-off Fin Width	0.0000	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-B 167

Base Calibration on 04-JAN-2011 16:04
Field Calibration on 08-JAN-2011,07:05

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	18445	4.00
2	26928	5.96

3	34736	7.98
4	42960	9.86
5	51984	11.88
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
6.00	5.96

Photo Density Calibration MPD-B 167

Base Calibration on 04-JAN-2011 15:52
Field Check on 08-JAN-2011 07:38

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	48428	18812	53115	25020
Reference 2	22666	3067	19186	2536

Field Check at Base

1175.0	1750.6

Field Check

1180.4	1744.4

PE Calibration

Base Calibration	Measured			Calibrated
	WS	WH	Ratio	Ratio
Background	215	1048		
Reference 1	14814	48256	0.309	0.320
Reference 2	5812	22530	0.261	0.272

Field Check at Base

215.1	1047.9

Field Check

216.2	1051.9

Density Constants MPD-B 167

Last Edited on 08-JAN-2011,07:04

Density Source Id	P50561B	
Nylon Calibrator Number	507	
Aluminium Calibrator Number	507	
Density Shoe Profile	8 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.21	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)
2.68	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

AFTER SURVEY CALIBRATION

C:\Minimus\Logs\Bill Barrett\GGU Federal 42D-29-691\MS1.dta

Neutron Check MDN-A.B 160

Before Survey Check on 08-JAN-2011 07:33
After Survey Check on 08-JAN-2011 12:20

	Near (cps)		Far (cps)	
	Before	After	Before	After

1325	1300	1961	1969

Ratio

Before	After
0.675	0.660

FE Check MFE-A.A 85

Before Survey Check 08-JAN-2011 07:40
After Survey Check on 08-JAN-2011 12:11

Before (ohm-m)	After (ohm-m)
280.8	280.8

Induction Check MAI-B.A 212

Before Survey Check on 08-JAN-2011 07:43
After Survey Check on 08-JAN-2011 12:10

Channel	Before Survey (mmho/m)		After Survey (mmho/m)		
	Low	High	Low	High	
1	13.6	3845.6	14.2	3844.9	
2	29.7	3491.7	29.8	3491.1	
3	27.6	3023.7	27.6	3023.2	
4	19.6	2088.2	19.6	2087.8	
Deep	17.0	2015.1	17.1	2014.7	
Medium	39.6	3940.9	39.7	3940.4	
Shallow	44.2	5105.3	44.4	5104.4	
Array Temperature		57.6		67.7	Deg F

Photo Density Check MPD-B 167

Before Survey Check on 08-JAN-2011 07:38
After Survey Check on 08-JAN-2011 12:15

Density Check

Near		Far	
Before	After	Before	After
1180.4	1179.1	1744.4	1750.8

PE Check

	Before	After
WS	216.2	214.6
WH	1051.9	1051.7

DOWNHOLE EQUIPMENT

C:\Minimus\Logs\Bill Barrett\GGU Federal 42D-29-691\MS1.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-F Compact Swivel Head Adaptor
SHA-F 82 LG: 2.74 ft WT: 26.5 lb OD: 2.24 in

Compact Gamma
MCG-C 192 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Neutron
MDN-A.B 160 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

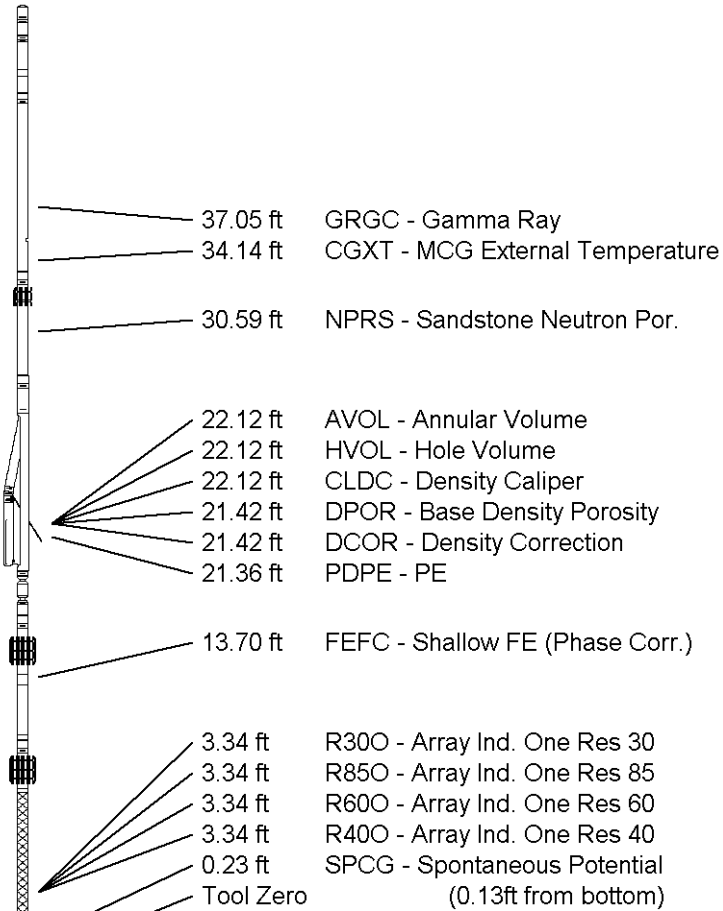
Compact Density/Caliper
MPD-B 167 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

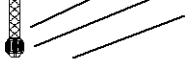
SKJ-E.A Compact Knuckle Joint
SKJ-E.A 114 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

Compact Focussed Electric
MFE-A.A 85 LG: 6.03 ft WT: 48.5 lb OD: 2.24 in

Compact Induction
MAI-B.A 212 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 46.65 ft Weight: 368.2 lb





-0.13 ft SMTU - DST Uphole Tension
All measurements relative to tool zero.

COMPANY	BILL BARRETT CORPORATION
WELL	GGU FEDERAL 42D-29-691
FIELD	GIBSON GULCH
PROVINCE/COUNTY	GARFIELD
COUNTRY/STATE	U.S.A. / COLORADO

Elevation Kelly Bushing	6127.00	feet	First Reading	7381.00	
Elevation Drill Floor	6126.00	feet	Depth Driller	7385.00	feet
Elevation Ground Level	6104.00	feet	Depth Logger	7384.00	feet

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