



Weatherford

**COMPACT TRIPLE COMBO
QUICKLOOK
LOG**

COMPANY BILL BARRETT CORPORATION

WELL JOLLEY 42B-20-691

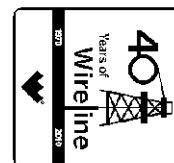
FIELD GIBSON GULCH

PROVINCE/COUNTY GARFIELD

COUNTRY/STATE U.S.A. / COLORADO

LOCATION SHL: 2621' FSL & 1746' FEL

BHL: 2108' FNL & 664' FEL



SEC TWP 6S RGE 91W

Other Services

API Number 05-045-19679

Permit Number

Permanent Datum G.L., Elevation 6453 feet

Log Measured From KB

Drilling Measured From K.B.

Elevations:
KB 6476.00
DF 6476.00
GL 6453.00

Date 16-AUG-2011

Run Number ONE

Depth Driller 7943.00 feet

Depth Logger 5148.00 feet

First Reading 5145.00

Last Reading 856.00

Casing Driller 858.00 feet

Casing Logger 856.00 feet

Bit Size 7.875 inches

Hole Fluid Type LSND

Density / Viscosity 10.15 lb/USg 42.00 CP

PH / Fluid Loss 9.30 8.80 ml/30Min

Sample Source FLOW LINE

Rm @ Measured Temp 2.55 @ 80.0 ohm-m

Rmf @ Measured Temp 2.04 @ 80.0 ohm-m

Rmc @ Measured Temp 3.06 @ 80.0 ohm-m

Source Rmf / Rmc CALC CALC

Rm @ BHT 1.49 @139.0 ohm-m

Time Since Circulation 5 HOURS

Max Recorded Temp 139.00 deg F

Equipment Name COMPACT

Equipment / Base 13173 GD JCT

Recorded By M. RICHINS

Witnessed By C. CROWTON

S. GOSWAMI

BOREHOLE RECORD

Last Edited: 16-AUG-2011 10:18

Bit Size inches	Depth From feet	Depth To feet
8.750	858.00	4896.00
7.875	4896.00	7943.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	9.625	0.00	858.00	36.00

REMARKS

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

HARDWARE: MPD: 8 INCH PROFILE PLATE USED.
ONE 0.5 INCH STANDOFF USED ON FOCUSED ELECTRIC
TWO 0.5 INCH STANDOFFS USED ON INDUCTION.
DUAL BOWSPRING USED ON NEUTRON.

2.68 G/CC DENSITY MATRIX USED TO CALCULATE POROSITY.

ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.

TOOLS BRIDGED AT 5150 FEET. LOGGED TO SURFACE PER CUSTOMER REQUEST.

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

CALIPER CHECK IN CASING PRESENTED, REFERENCE I.D. = 8.92" (9 5/8", 36 LB/FT CASING).

8.75 INCH BIT CHANGE AT 4896 FT.

TOTAL HOLE VOLUME FROM BRIDGE (5150 FEET) TO SURFACE CASING = 1980 CU.FT.

ANNULAR VOLUME WITH 4.5 INCH PRODUCTION CASING = 1520 CU.FT.

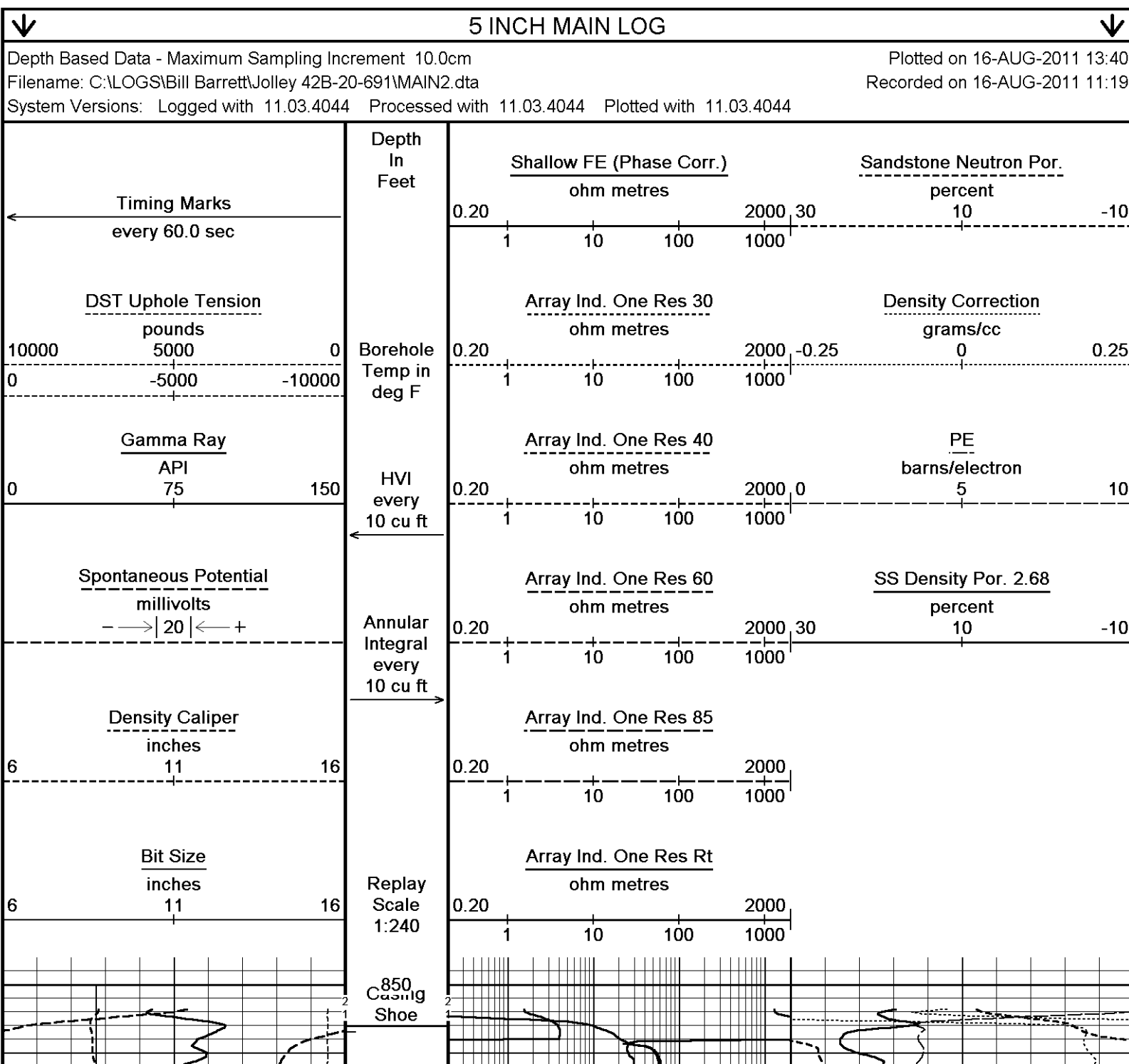
ENGINEER(S): M.RICHINS

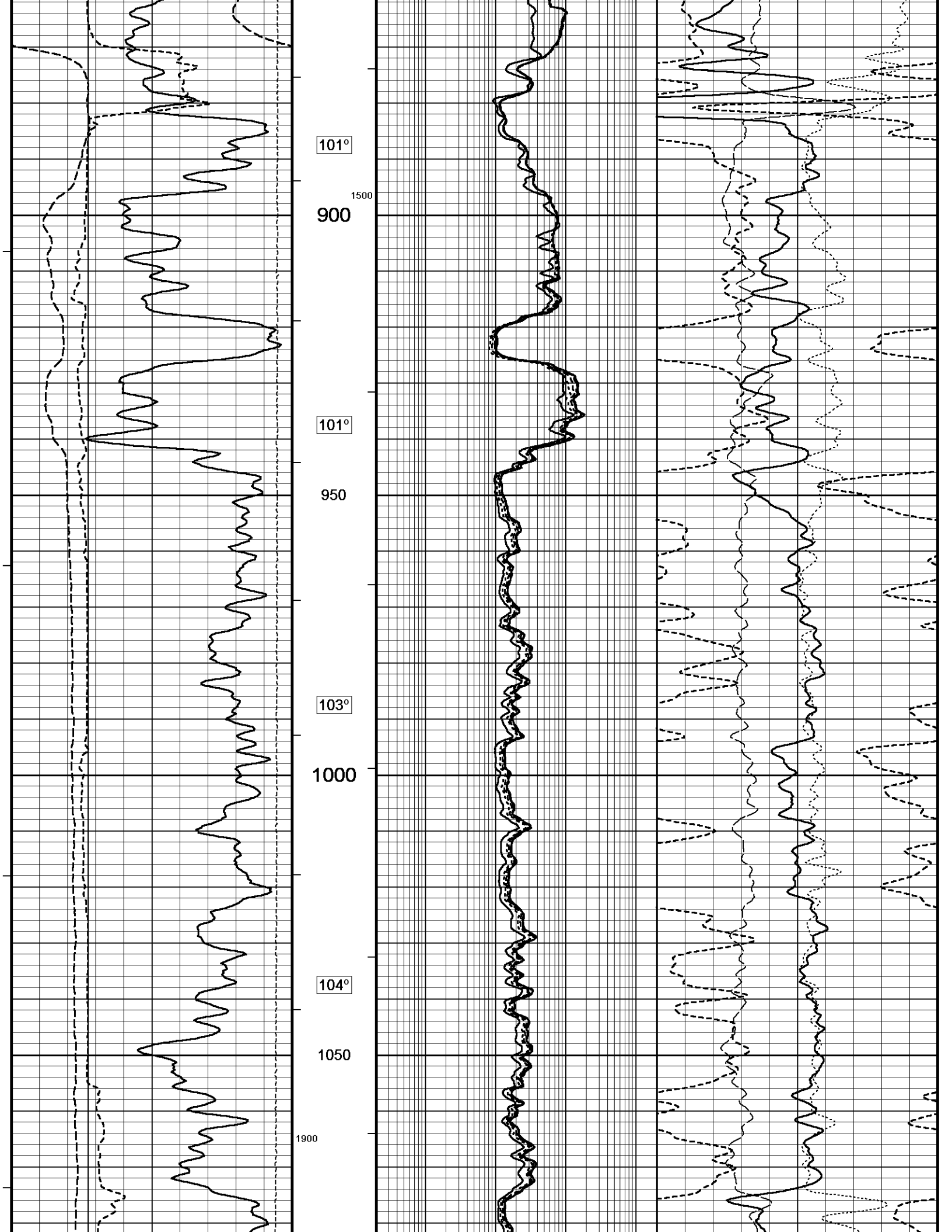
OPERATOR(S): C. ROGERS (JFE), K. BOBLITT, S. GOSWAMI (JFE)

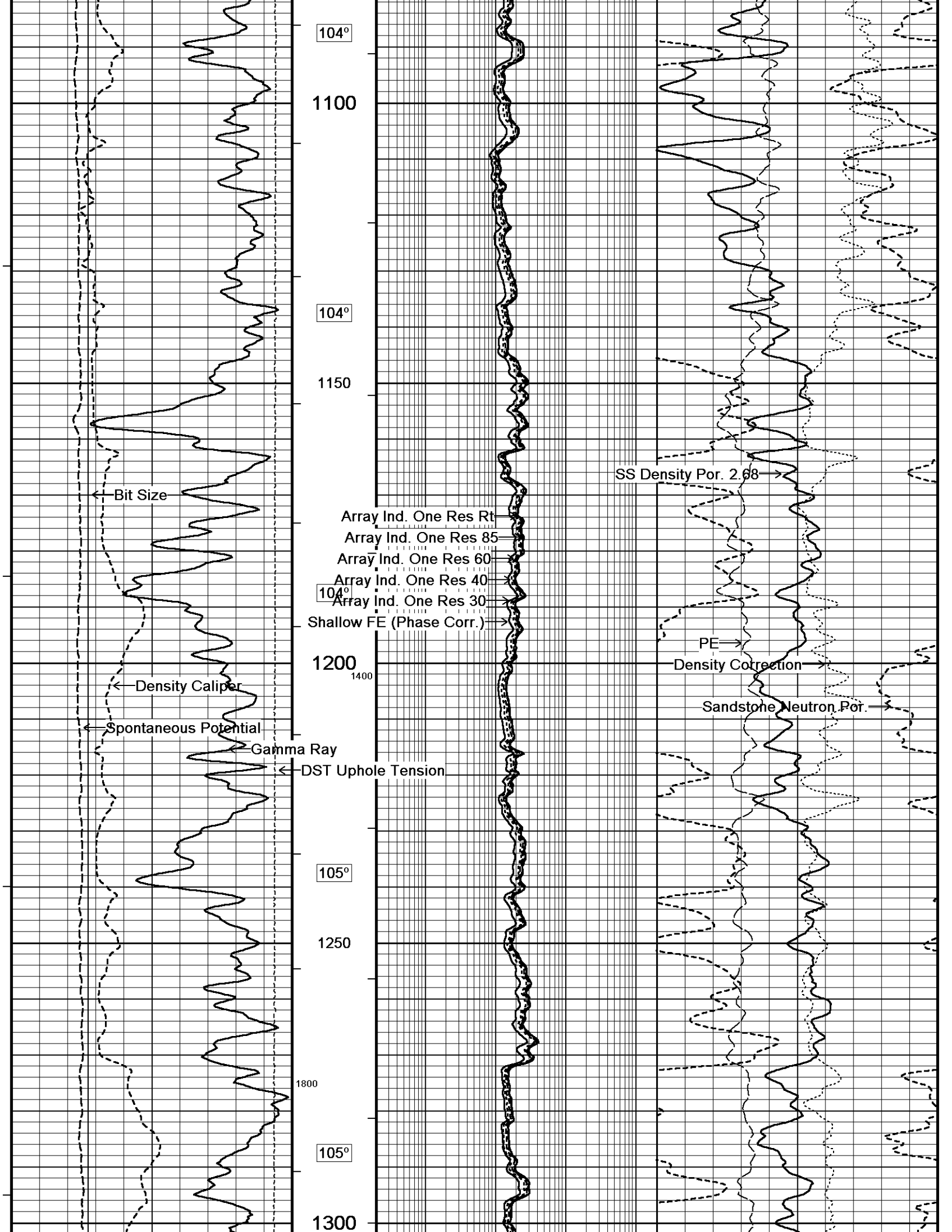
SERVICE ORDER: # 3532397

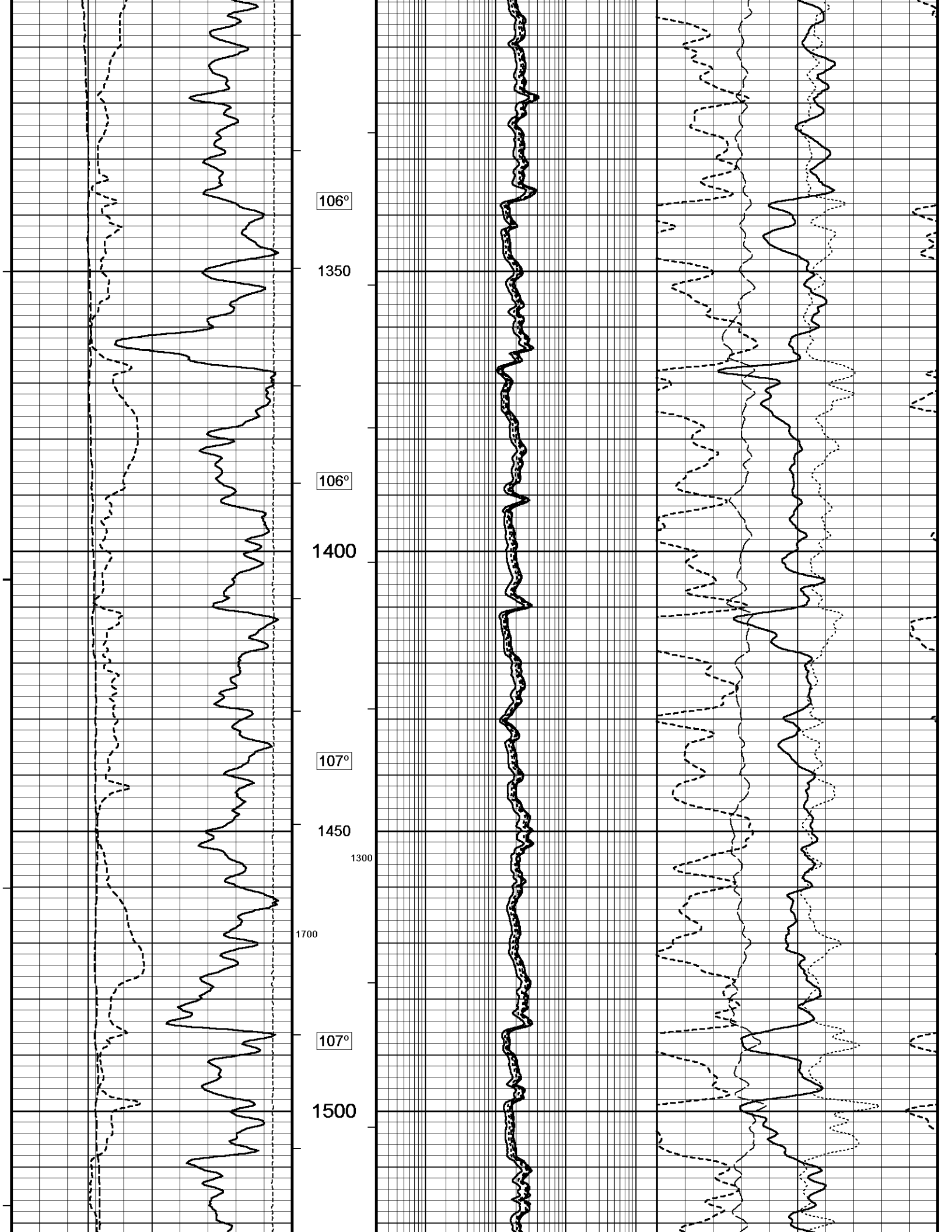
RIG: NABORS #37

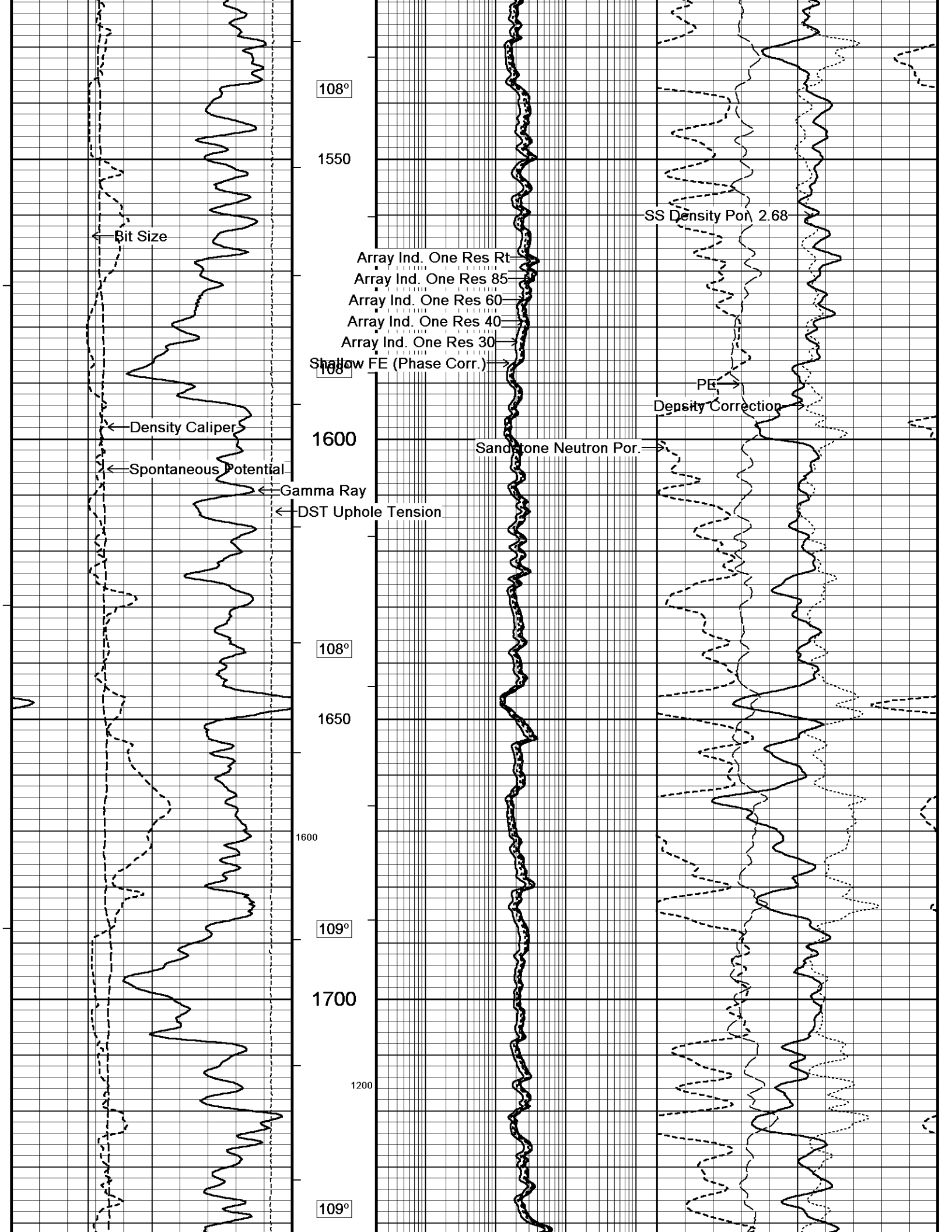
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, 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.

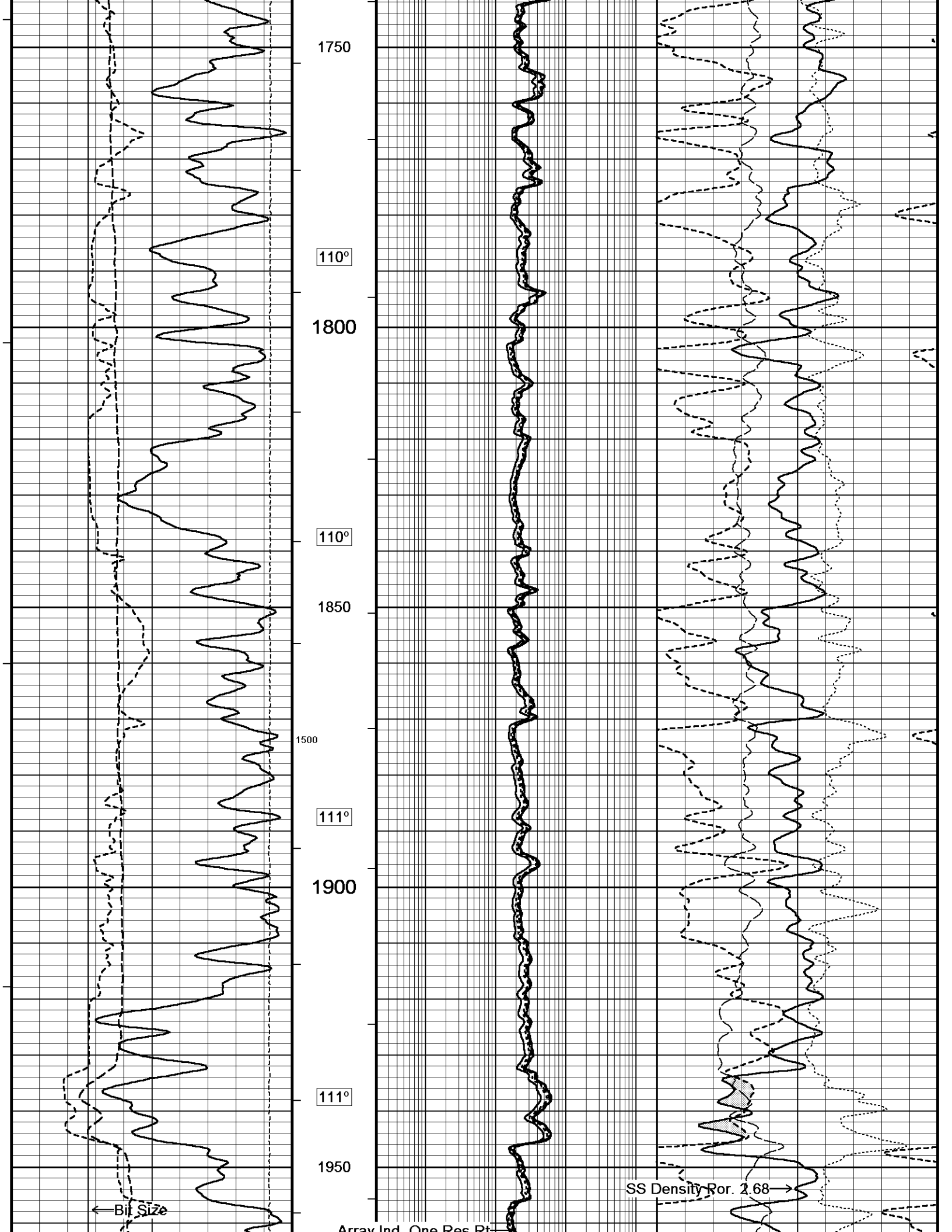


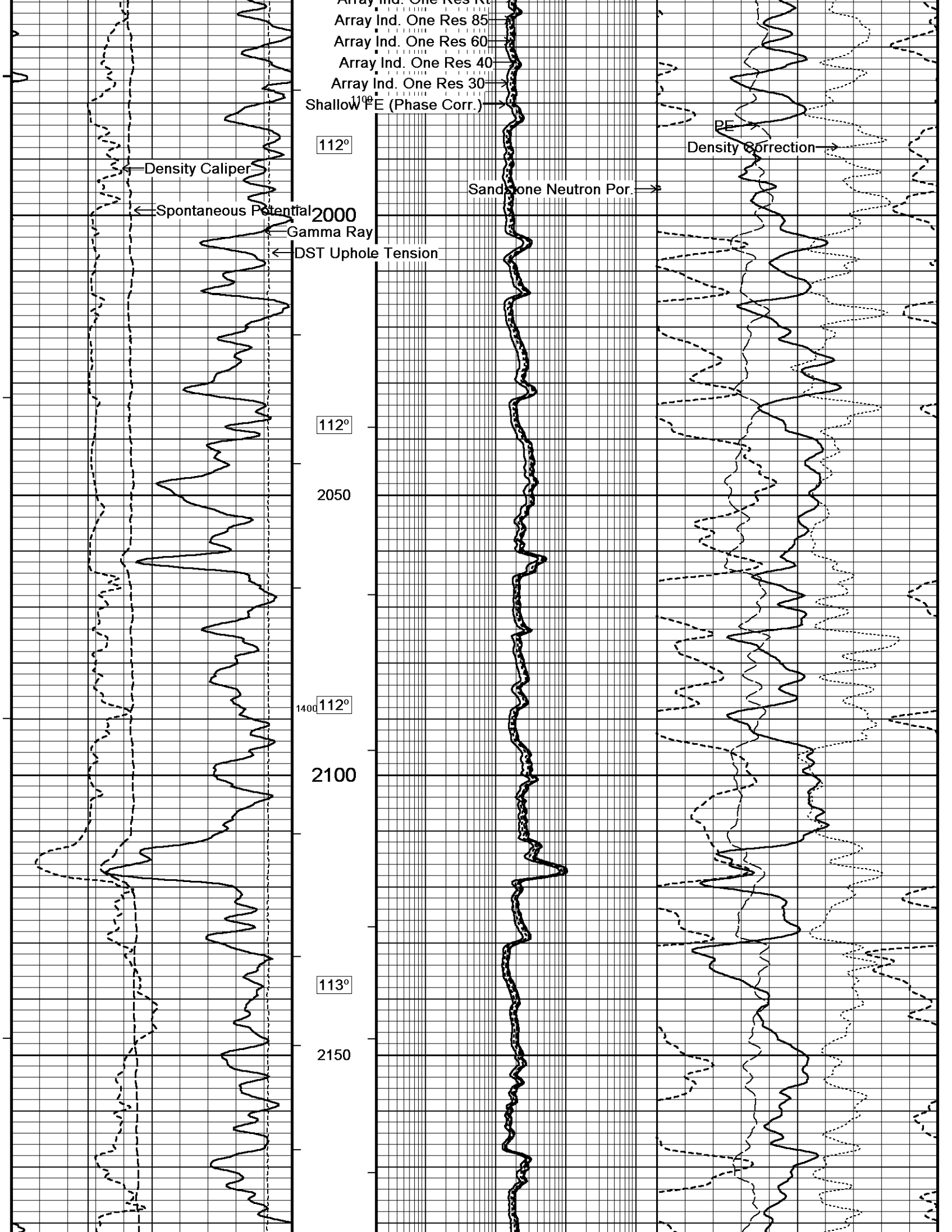


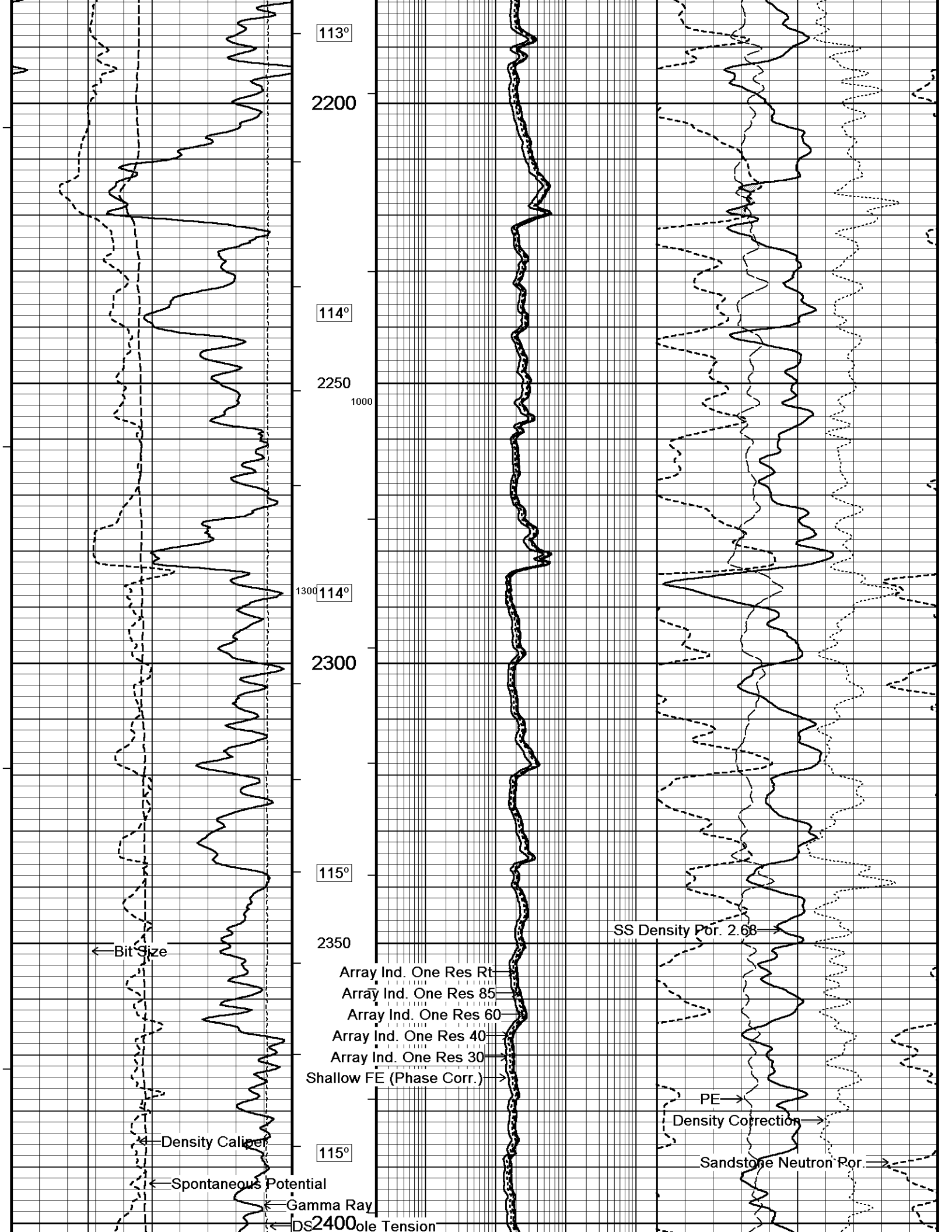


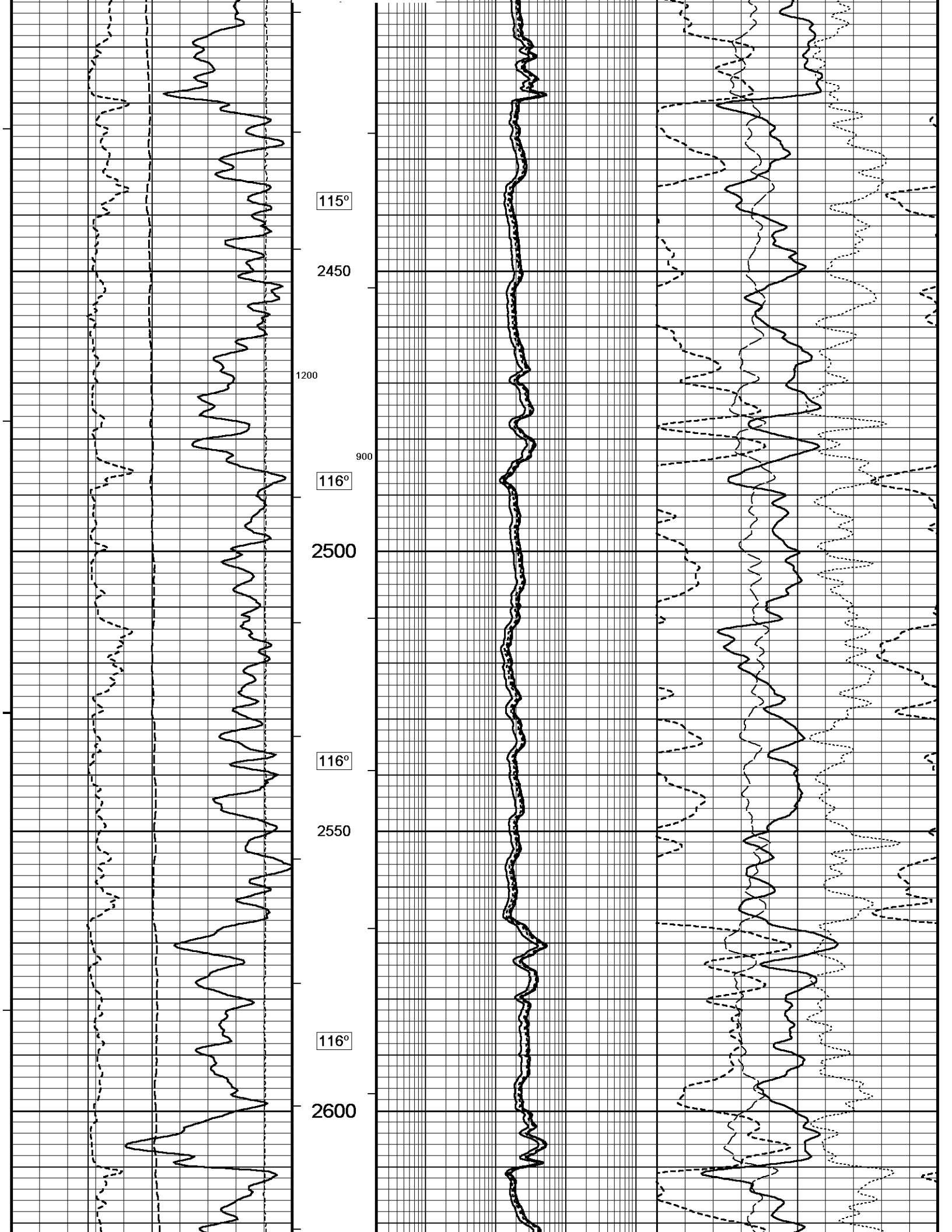


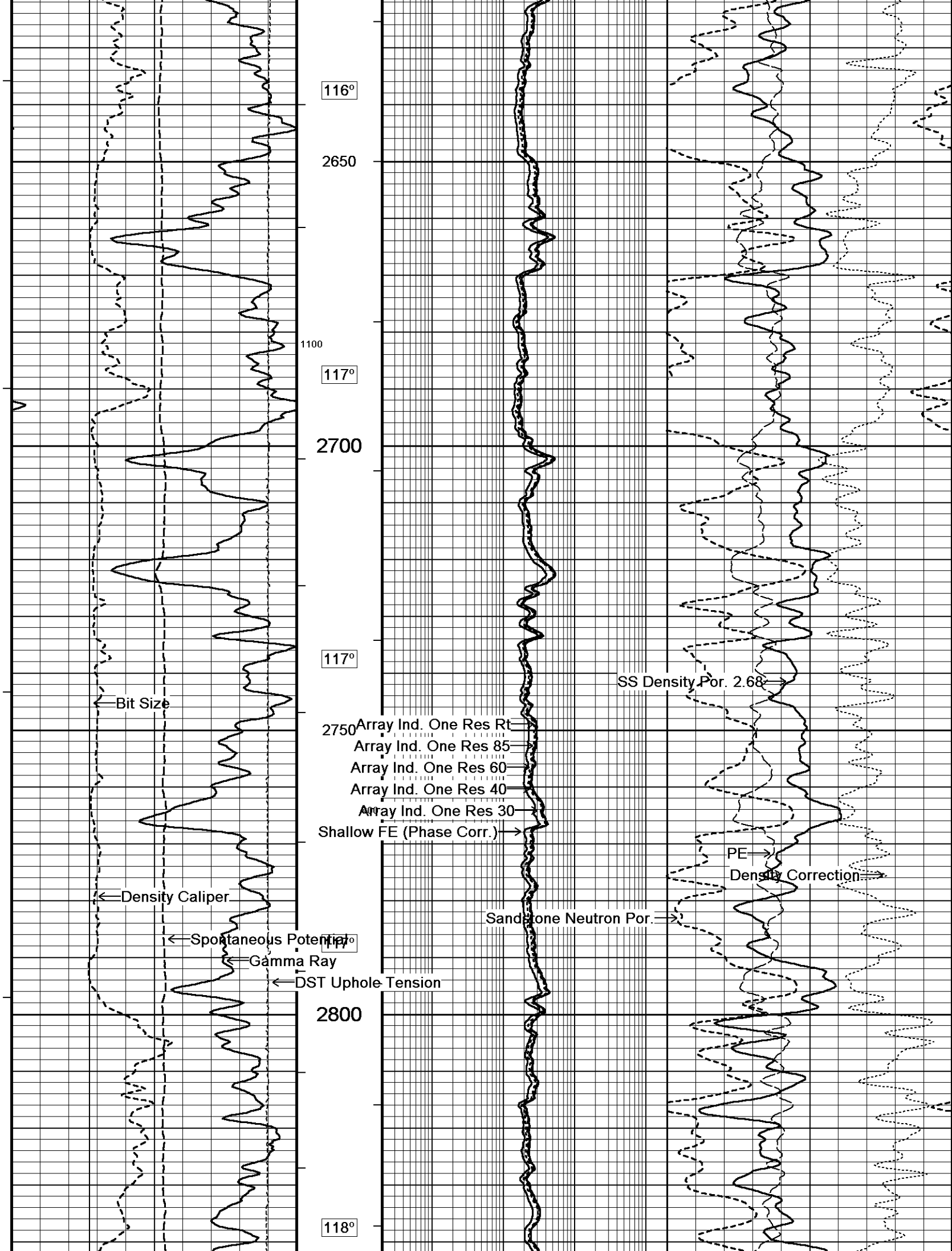


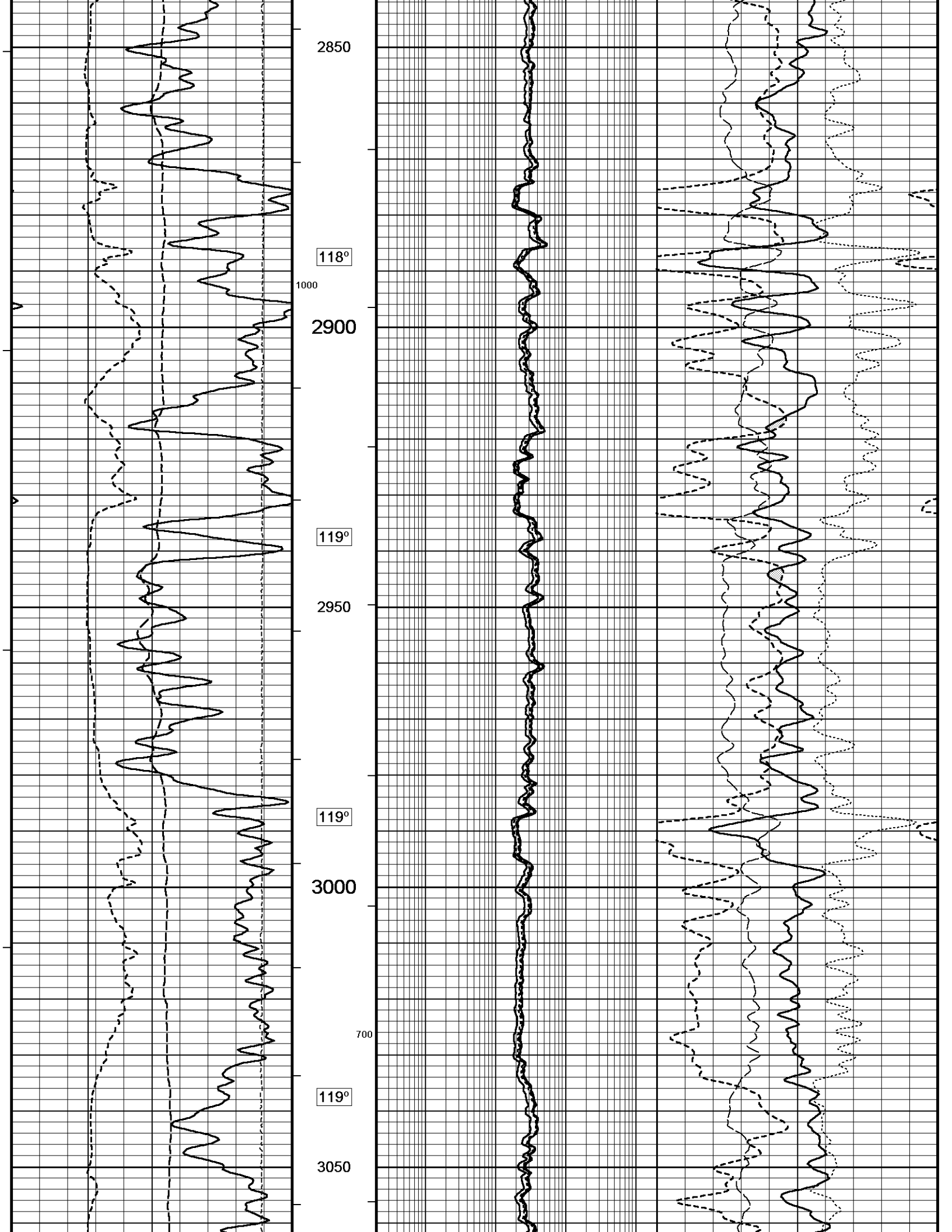


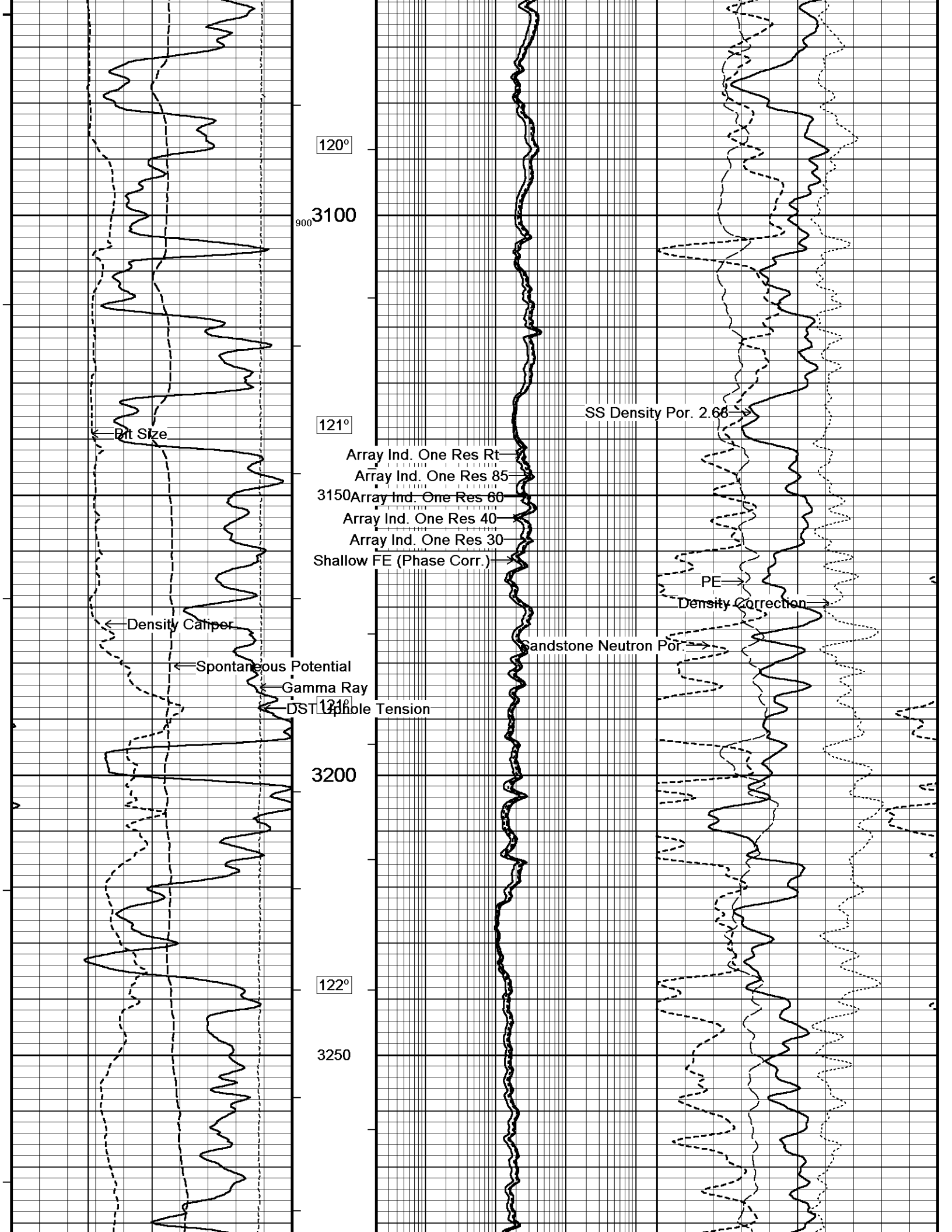


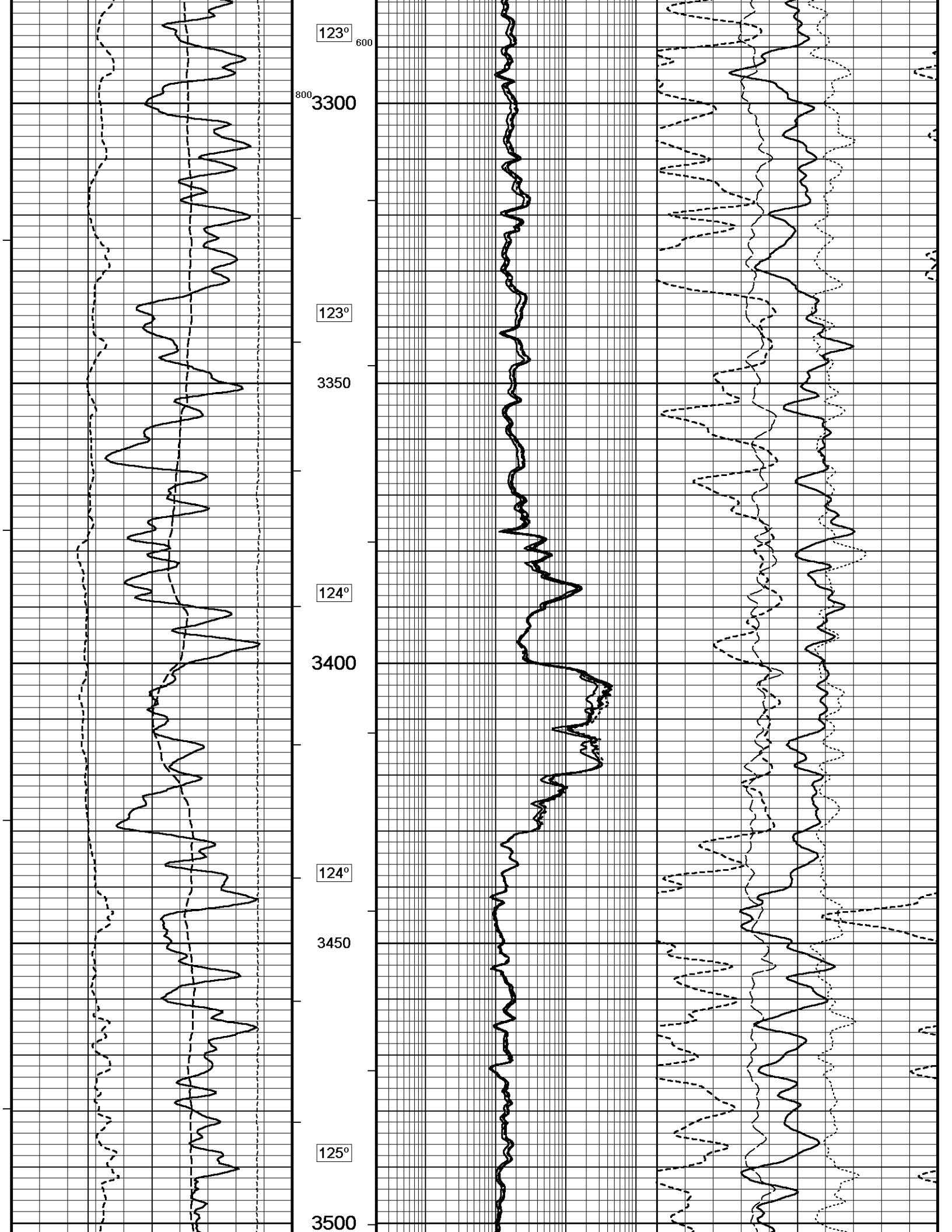


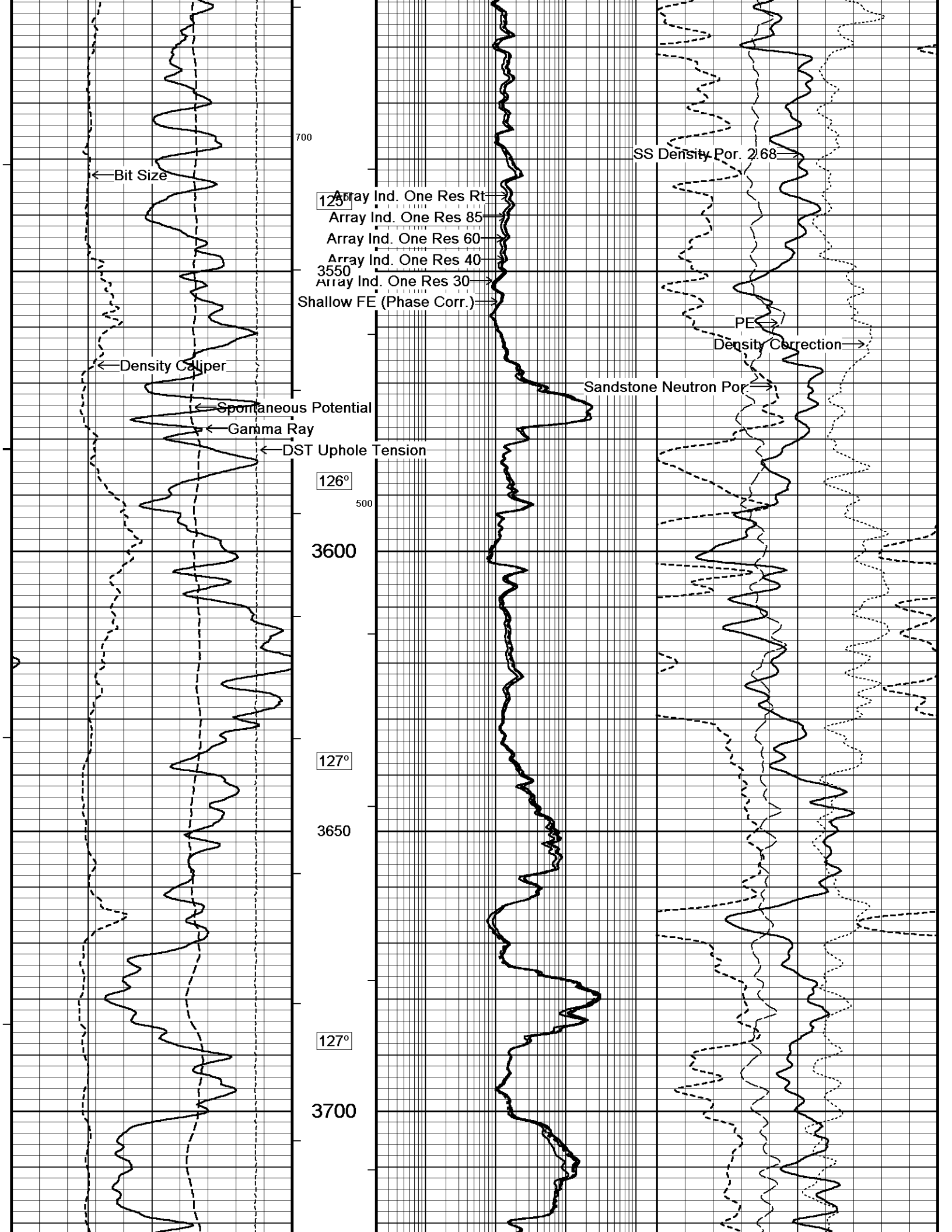


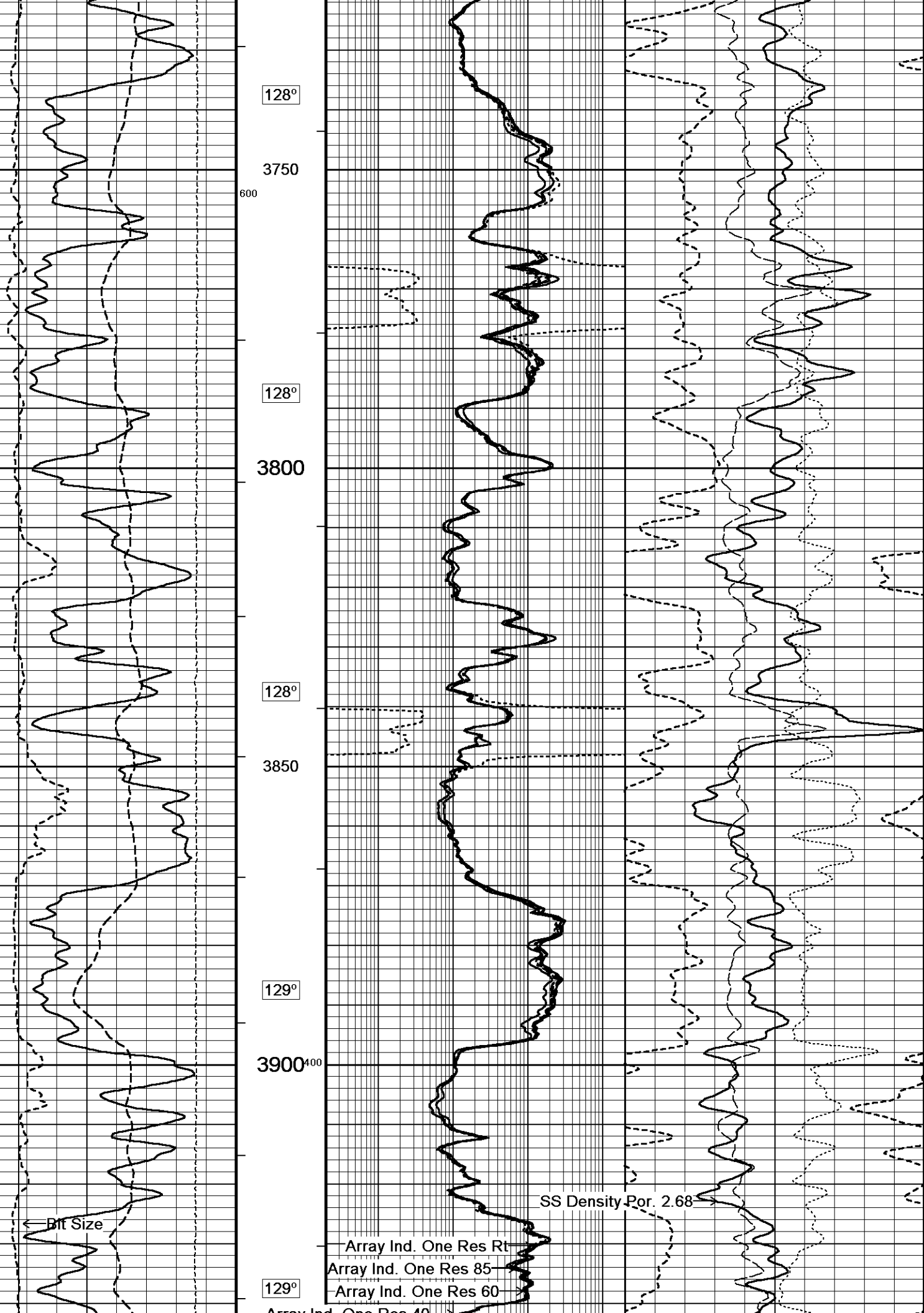


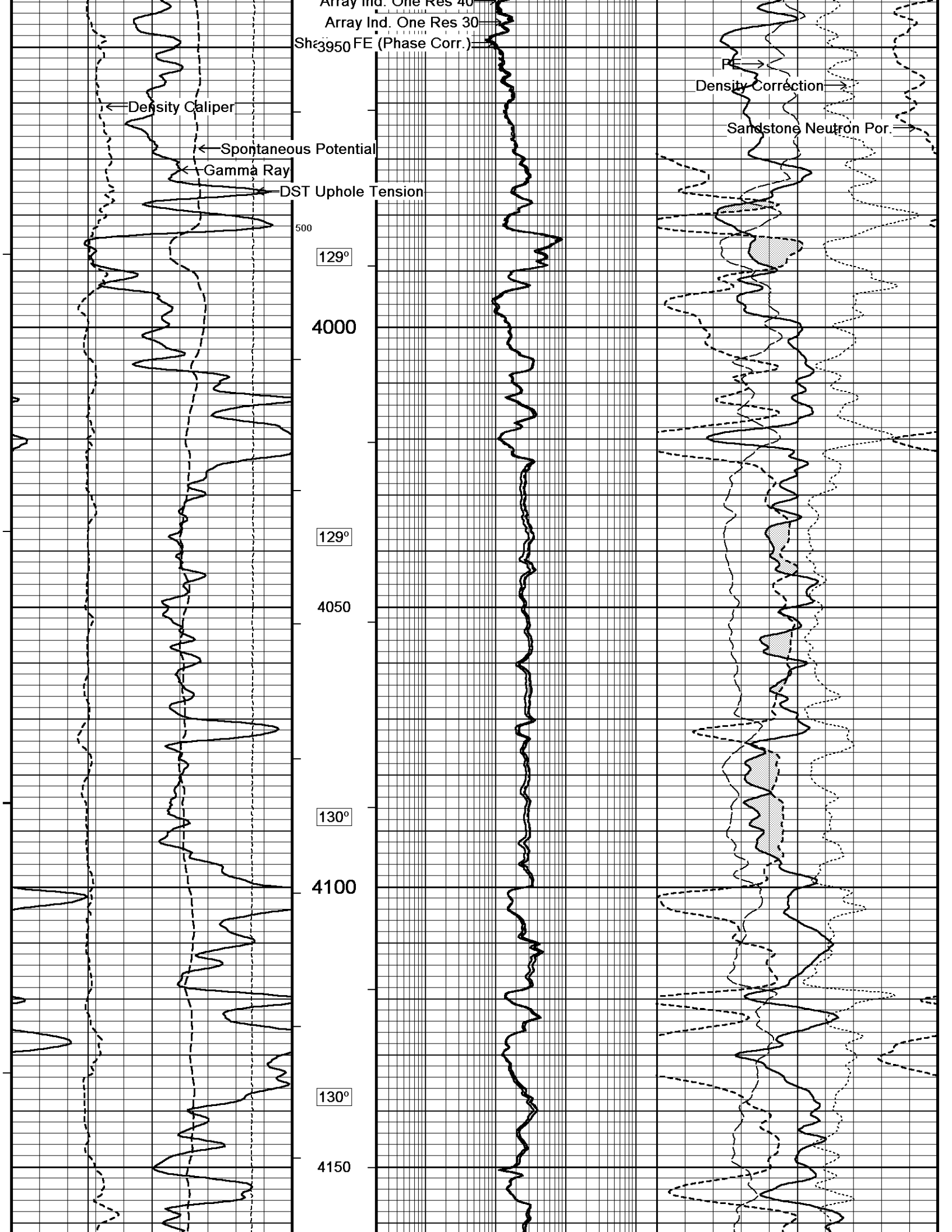


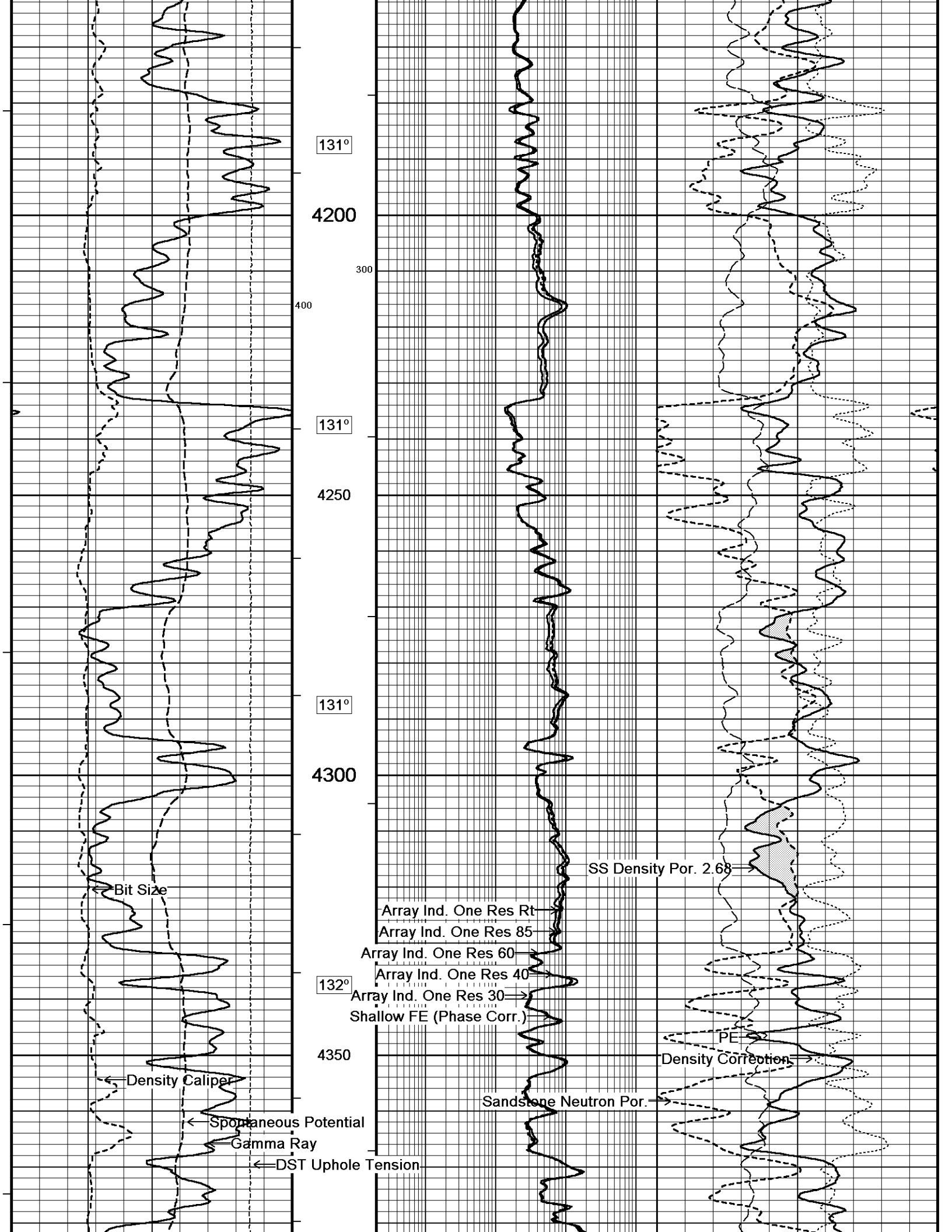


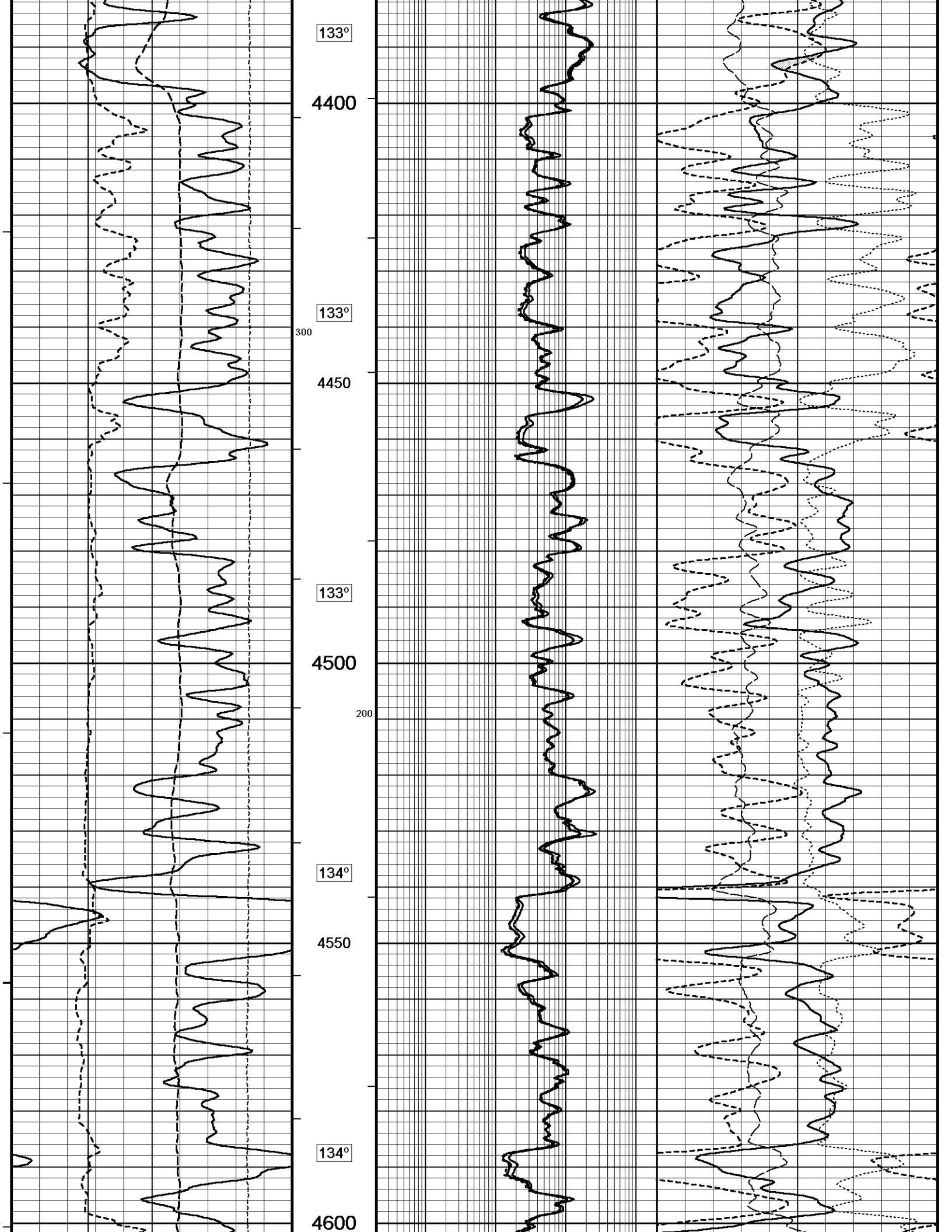


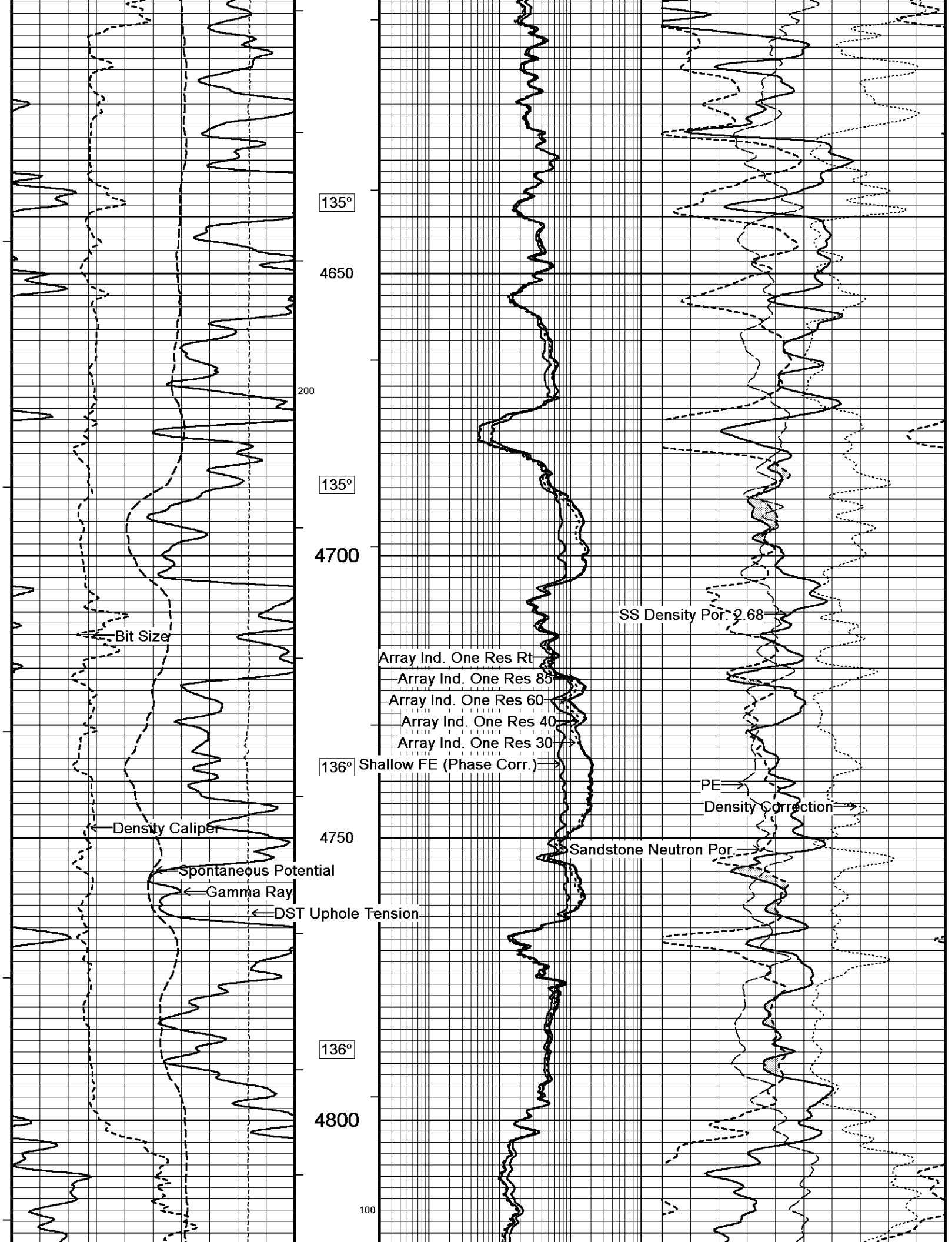


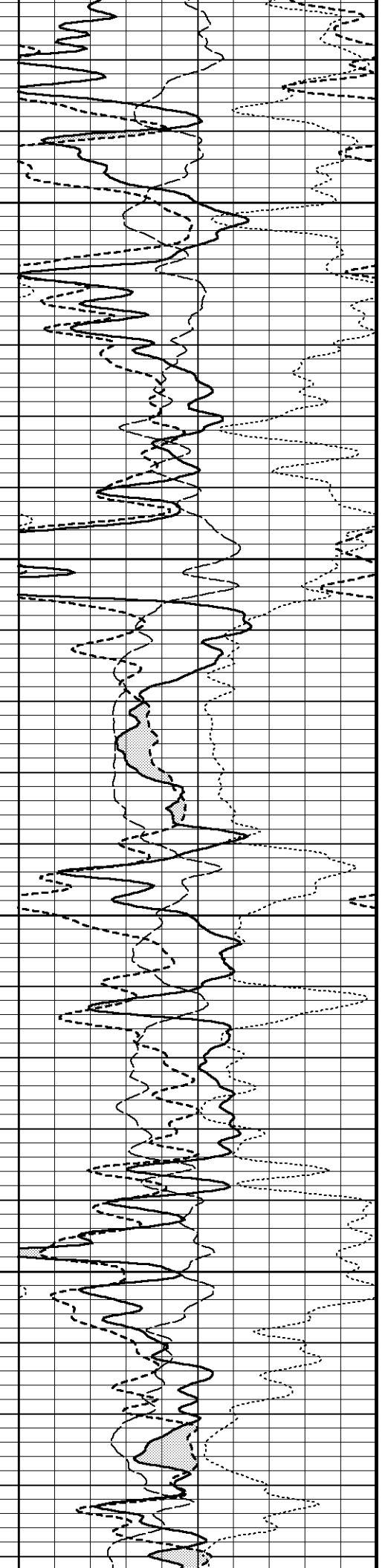
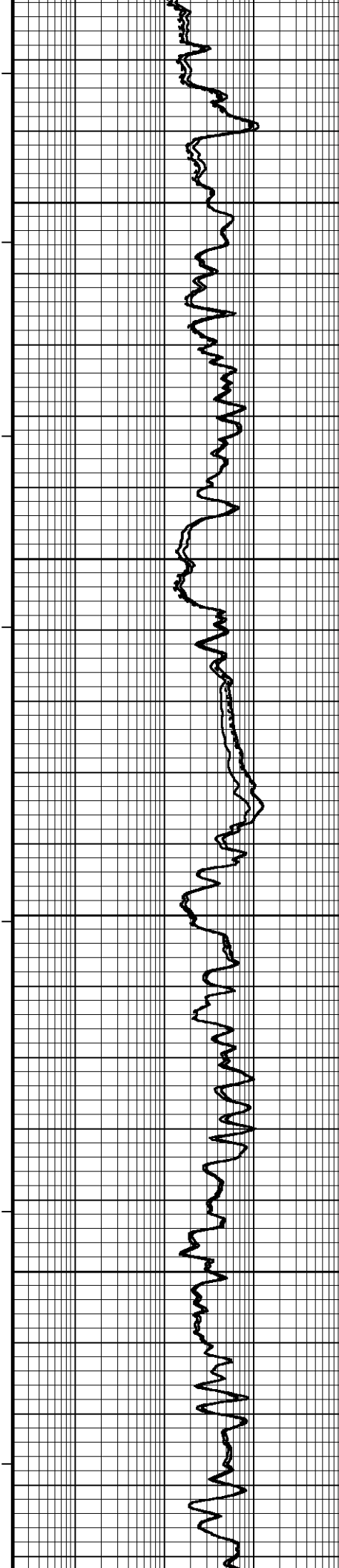
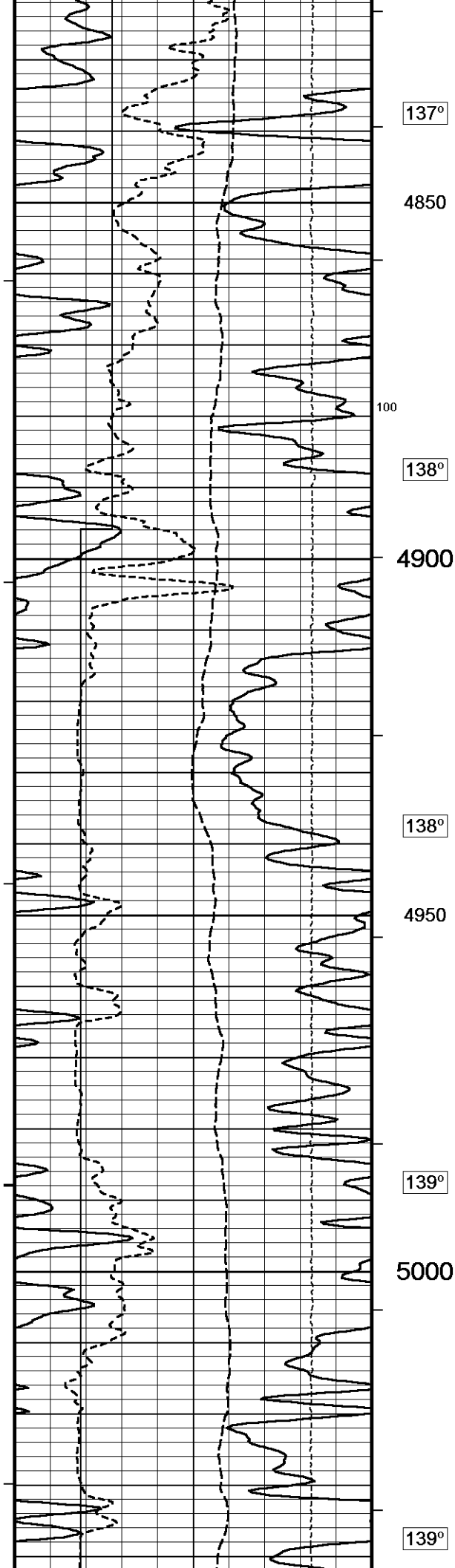


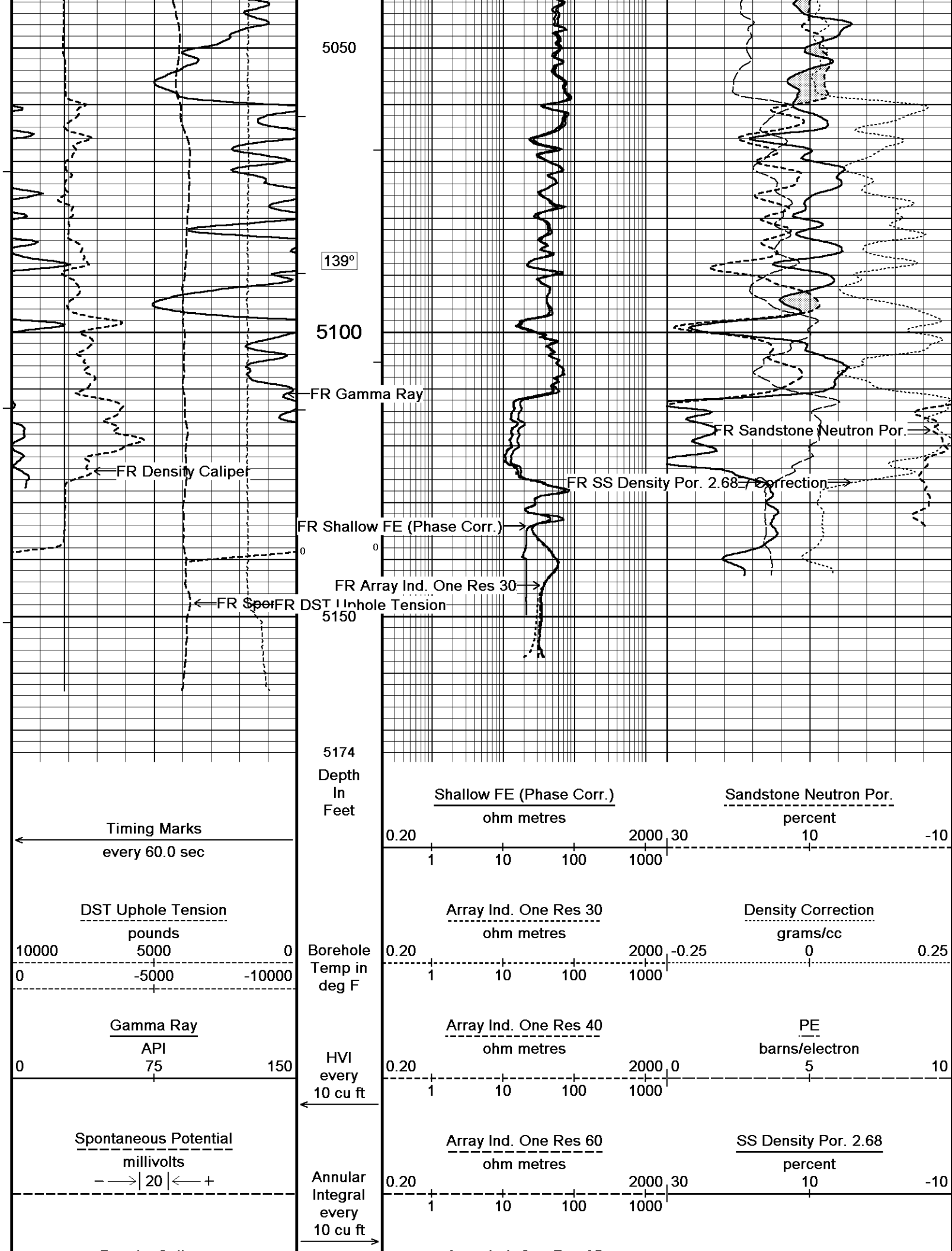


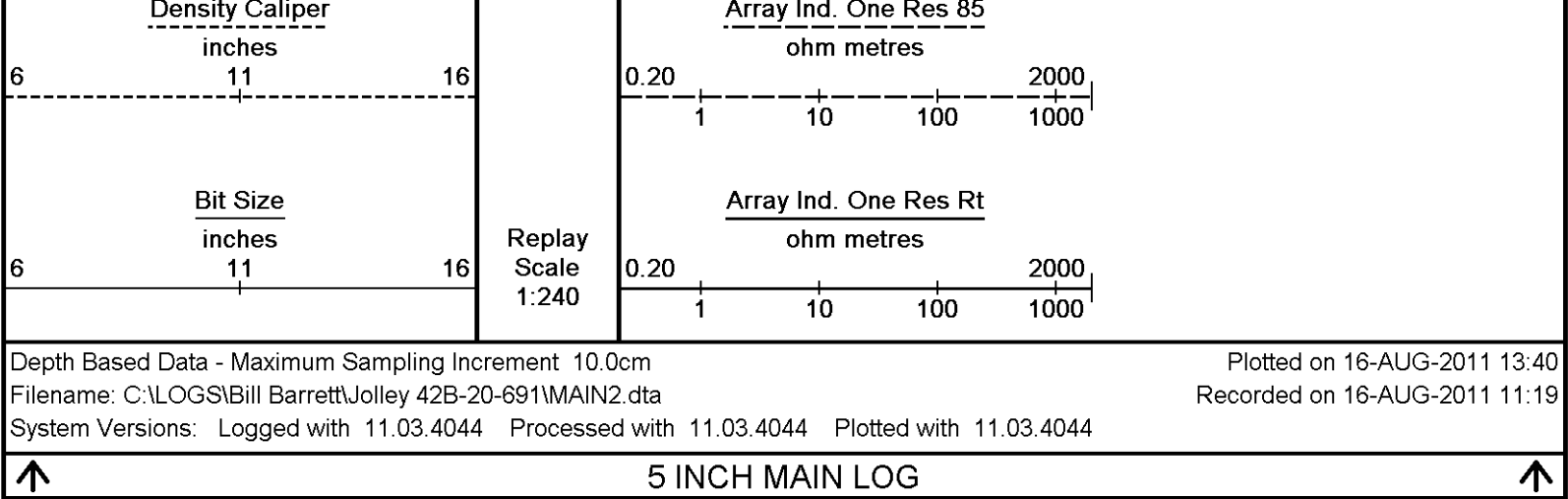












BEFORE SURVEY CALIBRATION			
			C:\LOGS\Bill Barrett\Jolley 42B-20-691\MAIN2.dta
General Constants All 000		Last Edited on 16-AUG-2011,13:11	
General Parameters			
Mud Resistivity	2.550	ohm-metres	
Mud Resistivity Temperature	80.000	degrees F	
Water Level	0.000	feet	
Density/Neutron Processing	Wet Hole		
Hole/Annular Volume and Differential Caliper Parameters			
HVOL Method	Single Caliper		
HVOL Caliper 1	Density Caliper		
HVOL Caliper 2	N/A		
Annular Volume Diameter	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 16-AUG-2011 10:05	
Reading No	Measured	Calibrated (lbs)	
1	14649.23	0.00	
2	15467.13	357.00	
Gamma Calibration MCG-D.A 287		Field Calibration on 13-AUG-2011 23:05	
	Measured	Calibrated (API)	
Background	117	79	
Calibrator (Gross)	1471	991	
Calibrator (Net)	1354	912	
Gamma Constants MCG-D.A 287		Last Edited on 16-AUG-2011,10:07	
Gamma Calibrator Number	GRC-072		
Mud Density	1.22	gm/cc	
Caliper Source for Processing	Density Caliper		
Tool Position	Eccentred		
Concentration of KCl	0.00	kppm	
SP Calibration MCG-D.A 287		Field Calibration on 13-AUG-2011,23:07	
	Measured	Calibrated (mV)	
Reference 1	100.9	100.0	
Reference 2	-100.2	-100.0	
High Resolution Temperature Calibration MCG-D.A 287		Field Calibration on 16-AUG-2011,10:21	
	Measured	Calibrated (Deg F)	

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

High Resolution Temperature Constants MCG-D.A 287		Last Edited on 13-AUG-2011,23:07
Pre-filter Length	11	

Neutron Calibration MDN-A.B 160				Base Calibration on 08-AUG-2011 11:05	
				Field Check on 13-AUG-2011 23:19	
Base Calibration					
		Measured		Calibrated (cps)	
	Near	Far		Near	Far
	3338	103		3714	110
Ratio	32.272			33.764	
Field Calibrator at Base					
				Calibrated (cps)	
				1274	1900
Ratio	0.671				
Field Check					
				Calibrated (cps)	
				1287	1907
Ratio	0.675				

Neutron Constants MDN-A.B 160			Last Edited on 13-AUG-2011,23:20	
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 08-AUG-2011 15:44	
			Field Check on 16-AUG-2011 13:07	
Base Calibration				
	Measured	Calibrated (ohm-m)		
Reference 1	0.0	0.0		
Reference 2	968.0	126.8		
Base Check		280.7		
Field Check		280.7		

FE Constants MFE-A.A 85			Last Edited on 13-AUG-2011,23:42	
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

Induction Calibration MAI-B.A 213				Base Calibration on 08-AUG-2011,13:34	
				Field Check on	
Base Calibration					
Test Loop Calibration		Measured		Calibrated (mmho/m)	
Channel	Low	High	Low	High	
1	16.8	462.4	9.3	966.2	
2	6.2	381.7	7.6	821.4	
3	3.6	254.8	5.2	566.0	
4	2.2	122.0	3.6	372.0	

4	2.3	132.3	2.6	279.2
Array Temperature	73.6	Deg F		
Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0
Deep	0.0	0.0	0.0	0.0
Medium	0.0	0.0	0.0	0.0
Shallow	0.0	0.0	0.0	0.0
Array Temperature	0.0		0.0	Deg F

Induction Constants MAI-B.A 213			Last Edited on 16-AUG-2011,10:41	
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		0.5000	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			

High Resolution Temperature Calibration MAI-B.A 213			Field Calibration on 16-AUG-2011,13:06
	Measured	Calibrated(Deg F)	
Lower	10.00	10.00	
Upper	50.00	50.00	

High Resolution Temperature Constants MAI-B.A 213		Last Edited on
Pre-filter Length	11	

Caliper Calibration MPD-B 167			Base Calibration on 08-AUG-2011 15:36
			Field Calibration on 16-AUG-2011 10:37
Base Calibration			
Reading No	Measured	Calibrator Size (in)	
1	17456	4.00	
2	26039	5.96	
3	33797	7.98	

3	53797	7.98
4	41984	9.86
5	50976	11.88
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
9.05	8.92

Photo Density Calibration MPD-B 167

Base Calibration on 08-AUG-2011 15:24
Field Check on 16-AUG-2011 10:17

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	50352	17857	53237	19445
Reference 2	23760	3000	25135	2545

Field Check at Base

1236.1 1728.2

Field Check

1237.3 1723.8

PE Calibration

Base Calibration	WS	Measured		Calibrated
		WH	Ratio	Ratio
Background	226	1112		
Reference 1	16945	50175	0.341	0.320
Reference 2	6638	23623	0.285	0.274

Field Check at Base

225.6 1111.9

Field Check

228.5 1111.9

Density Constants MPD-B 167

Last Edited on 16-AUG-2011,10:06

Density Source Id	P50561B
Nylon Calibrator Number	532
Aluminium Calibrator Number	532
Density Shoe Profile	8 inch
Caliper Source for Processing	Density Caliper
PE Correction to Density	Not Applied
Mud Density	1.22 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

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Induction Check MAI-B.A 213

Before Survey Check on
After Survey Check on 16-AUG-2011 13:05

Channel	Before Survey (mmho/m)		After Survey (mmho/m)	
	Low	High	Low	High
1	0.0	0.0	17.0	3938.4

2	0.0	0.0	32.3	3541.5
3	0.0	0.0	30.6	3115.5
4	0.0	0.0	20.2	2097.5
Deep	0.0	0.0	18.6	2079.2
Medium	0.0	0.0	44.7	4089.8
Shallow	0.0	0.0	48.5	5161.6
Array Temperature		0.0	82.3	Deg F

Photo Density Check MPD-B 167

Before Survey Check on 16-AUG-2011 10:17
After Survey Check on 16-AUG-2011 13:11

Density Check

	Near		Far	
	Before	After	Before	After
	1237.3	1238.8	1723.8	1724.1

PE Check

	Before	After
WS	228.5	224.6
WH	1111.9	1111.9

DOWNHOLE EQUIPMENT

C:\LOGS\Bill Barrett\Jolley 42B-20-691\MAIN2.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 Comms Gamma

MCG-D.A 287 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-D.A Compact Knuckle Joint

SKJ-D.A 114 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

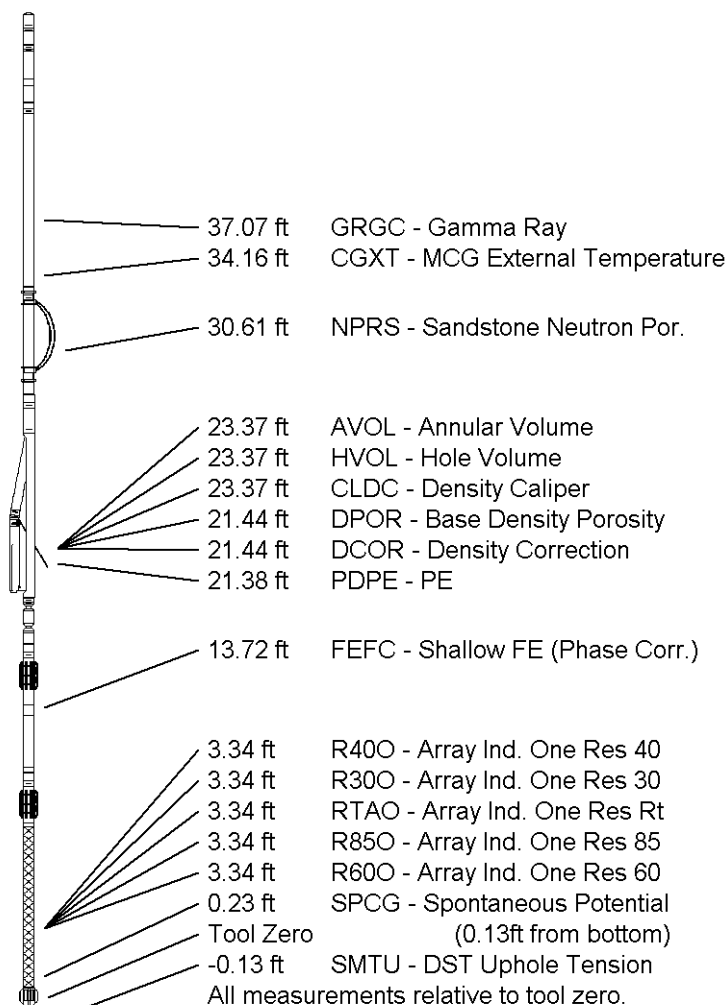
Compact Focussed Electric

MFE-A.A 85 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Induction

MAI-B.A 213 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 46.67 ft Weight: 368.2 lb



COMPANY

BILL BARRETT CORPORATION

WELL

JOLLEY 42B-20-691

FIELD

GIBSON GULCH

PROVINCE/COUNTY

GARFIELD

COUNTRY/STATE

U.S.A. / COLORADO

COUNTRY/STATE U.S.A. / COLORADO

Elevation Kelly Bushing	6476.00	feet	First Reading	5145.00	
Elevation Drill Floor	6476.00	feet	Depth Driller	7943.00	feet
Elevation Ground Level	6453.00	feet	Depth Logger	5148.00	feet



Weatherford®

COMPACT TRIPLE COMBO
QUICKLOOK
LOG

