ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG

Weatherford®

COMPANY	M&M EXPLORATION, INC.
WELL	Z-BAR 35-6
FIELD	AETNA GAS AREA
PROVINCE/COUNTY	BARBER
COUNTRY/STATE	U.S.A. / KANSAS
LOCATION	1740' FNL & 2090' FWL NW/4

SEC	TWP	RGE	Other Services
35	33S	15W	MPD/MDN
			MML

API Number 15-007-24034
Permit Number

Permanent Datum G.L., Elevation 1771 feet
Log Measured From KB
Drilling Measured From K.B. @ 10 FEET

Elevations:	feet
KB	1781.00
DF	1779.00
GL	1771.00

Date	28-JUN-2013			
Run Number	ONE			
Service Order	3537769			
Depth Driller	5150.00	feet		
Depth Logger	5154.00	feet		
First Reading	5151.00	feet		
Last Reading	896.00	feet		
Casing Driller	896.00	feet		
Casing Logger	896.00	feet		
Bit Size	7.880	inches		
Hole Fluid Type	CHEMICAL			
Density / Viscosity	9.00 lb/USg		54.00 CP	
PH / Fluid Loss	10.20		8.10 ml/30Min	
Sample Source	MUDPIT			
Rm @ Measured Temp	0.87 @ 99.0	ohm-m		
Rmf @ Measured Temp	0.70 @ 99.0	ohm-m		
Rmc @ Measured Temp	1.04 @ 99.0	ohm-m		
Source Rmf / Rmc	CALC		CALC	
Rm @ BHT	0.70 @123.0	ohm-m		
Time Since Circulation	5 HOURS			
Max Recorded Temp	123.00	deg F		
Equipment / Base	13096		LIB	
Recorded By	ROB HOFFMAN			
Witnessed By	BILL BUSCH		BETH BROCK	
JOB#	LB13-187			

BOREHOLE RECORD

Last Edited: 29-JUN-2013 01:14

Bit Size inches	Depth From feet	Depth To feet
7.875	896.00	5150.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	896.00	24.00

REMARKS

- SOFTWARE ISSUE: WLS 13.05.9583.
- MCG, MML, MDN, MPD, MFE, MAI RUN IN COMBINATION.
  - HARDWARE: DUAL BOWSPRING USED ON MDN.
    0.5 INCH STANDOFF USED ON MFE.
    0.5 INCH STANDOFF USED ON MAI.
- 2.71 G/CC LIMESTONE DENSITY MATRIX USED TO CALCULATE POROSITY.
- BOREHOLE RUGOSITY, TIGHT PULLS, AND WASHOUTS WILL AFFECT DATA QUALITY.
- ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.
- TOTAL HOLE VOLUME FROM TD TO SURFACE CASING: 1680 CU. FT.
- ANNULAR HOLE VOLUME WITH 4.5 INCH CASING FROM TD TO 3880: 298 CU. FT.
- SERVICE ORDER # 3537769

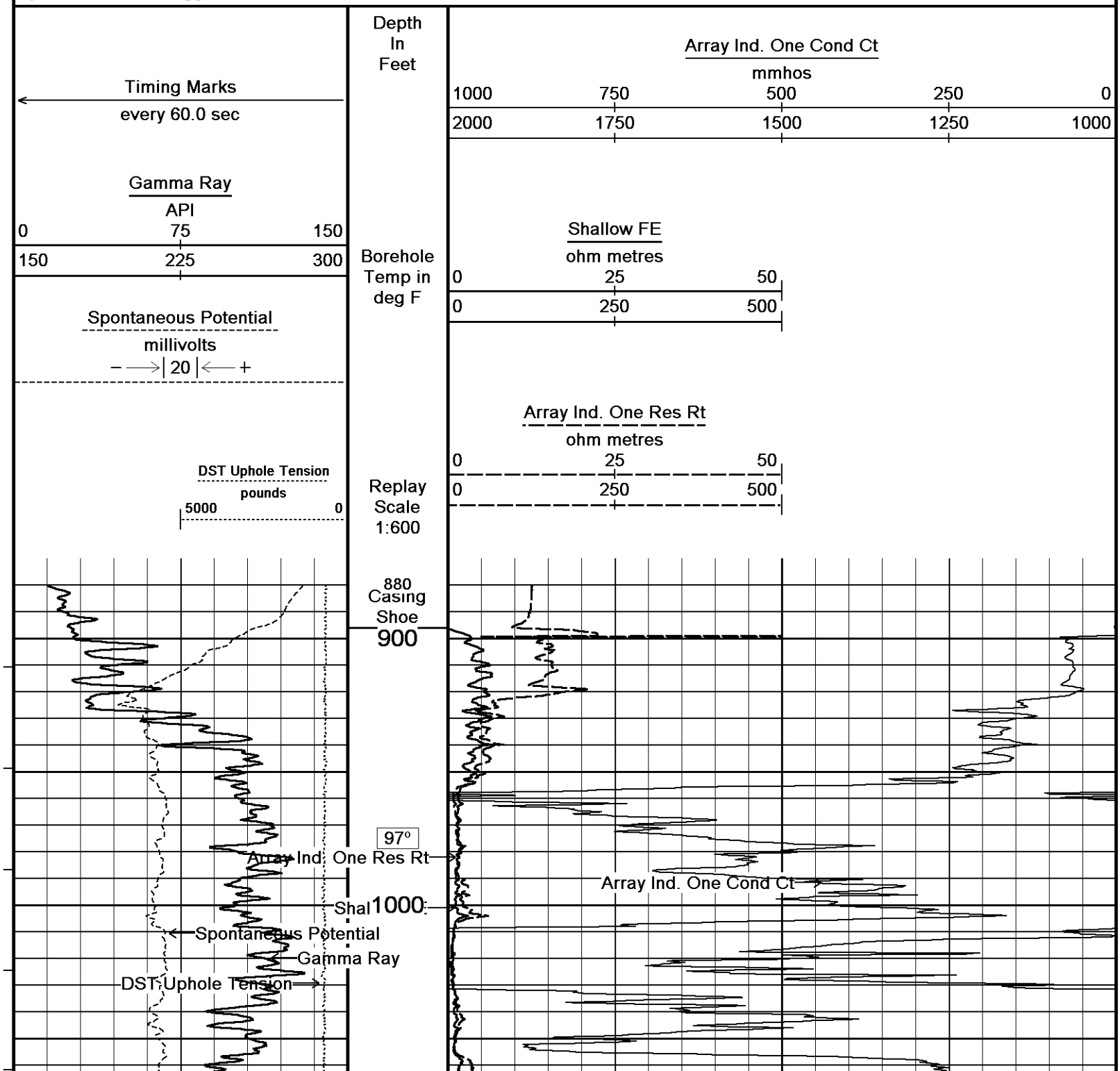
- RIG: HARDT RIG #1

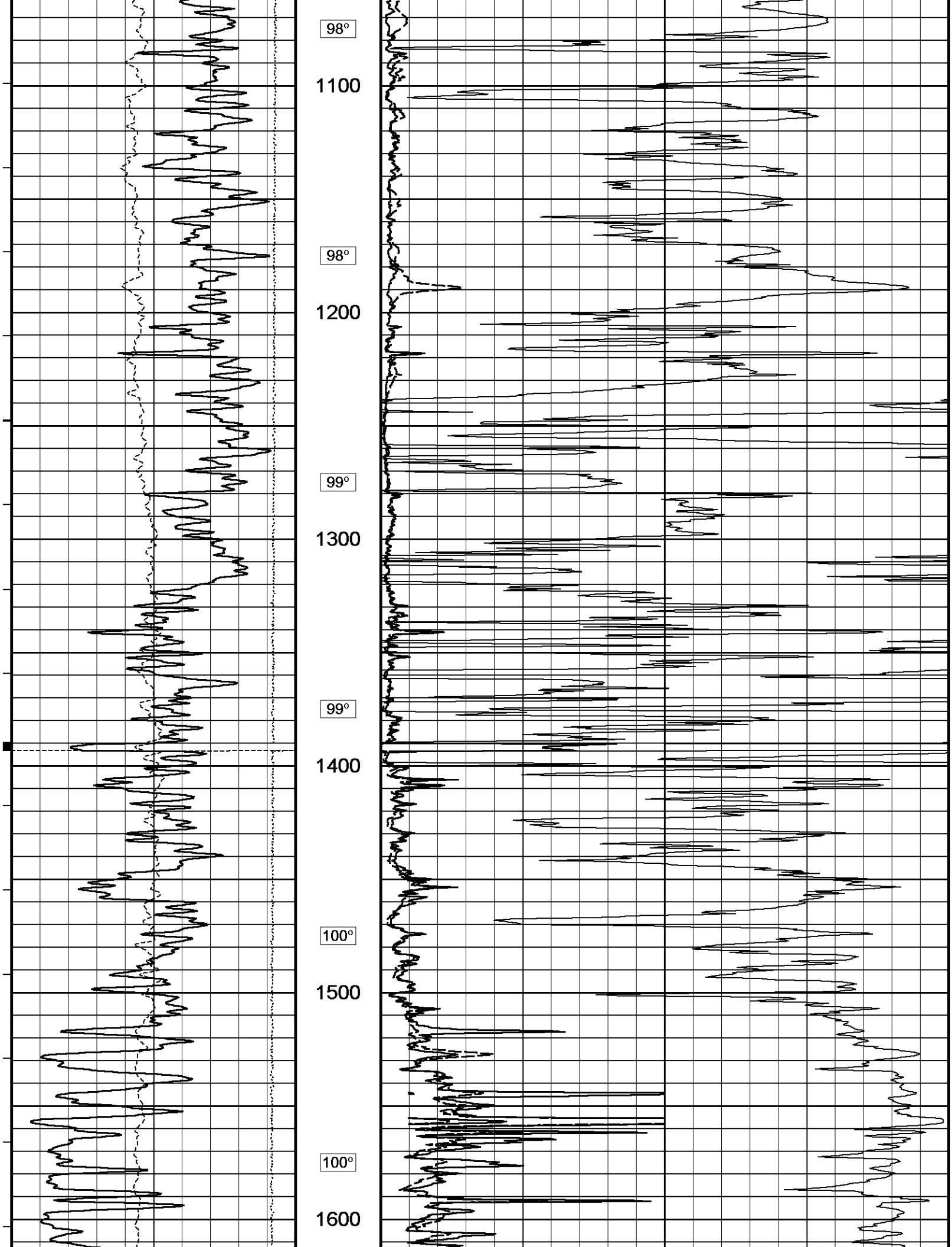
- ENGINEER: ROB HOFFMAN

- OPERATOR(S): K. RINEHART, D. CANADAY

2 INCH MAIN

Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 29-JUN-2013 06:08
Filename: C:\Minimus 13.05.9583\Log\M&M Exploration Z-Bar 35-6\M&M Z-Bar #35-6_002.dta
Recorded on 29-JUN-2013 03:50
System Versions: Logged with 13.05.9583 Plotted with 13.05.9583

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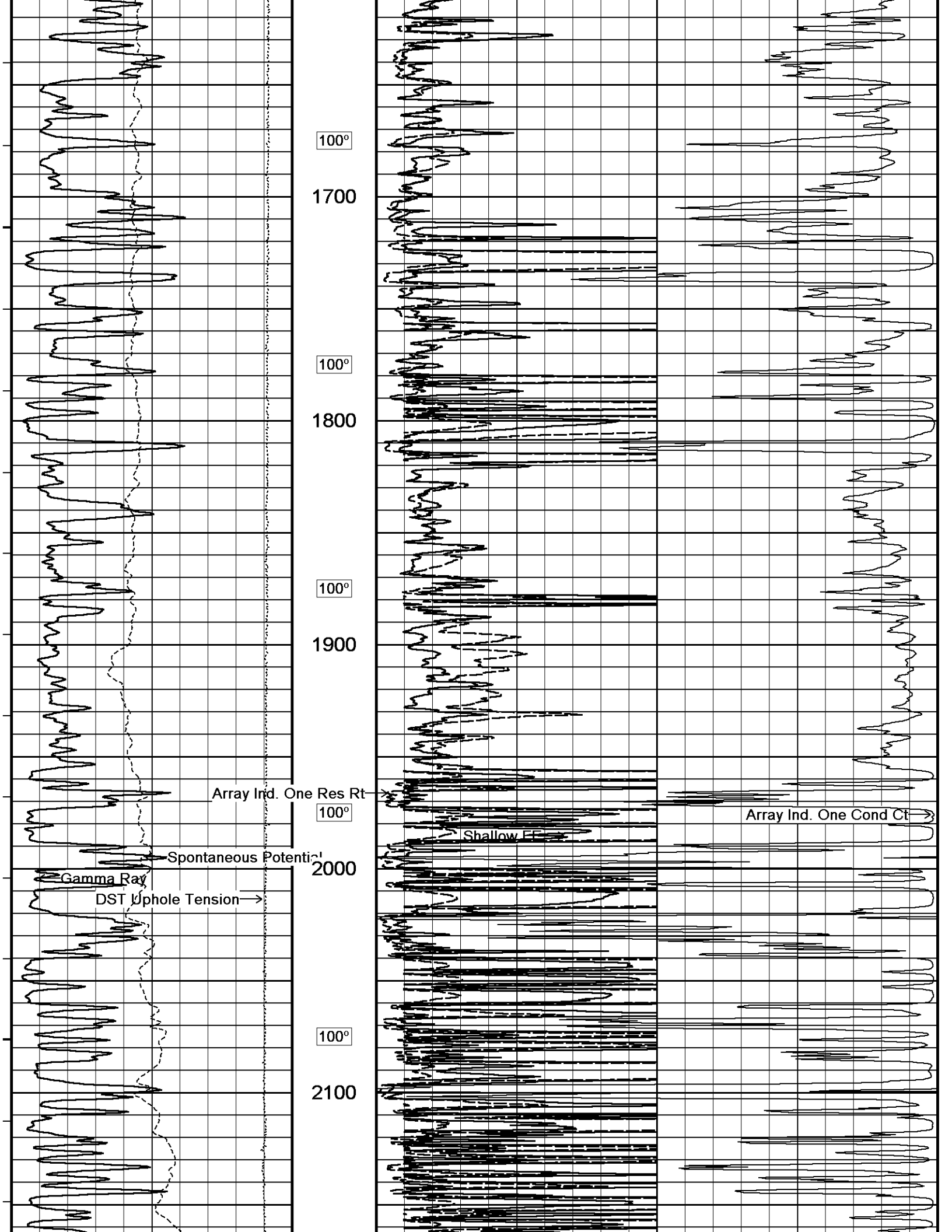
98°
1200
99°
1300
99°
1400
100°
1500
100°
1600


100°
1700
100°
1800
100°
1900
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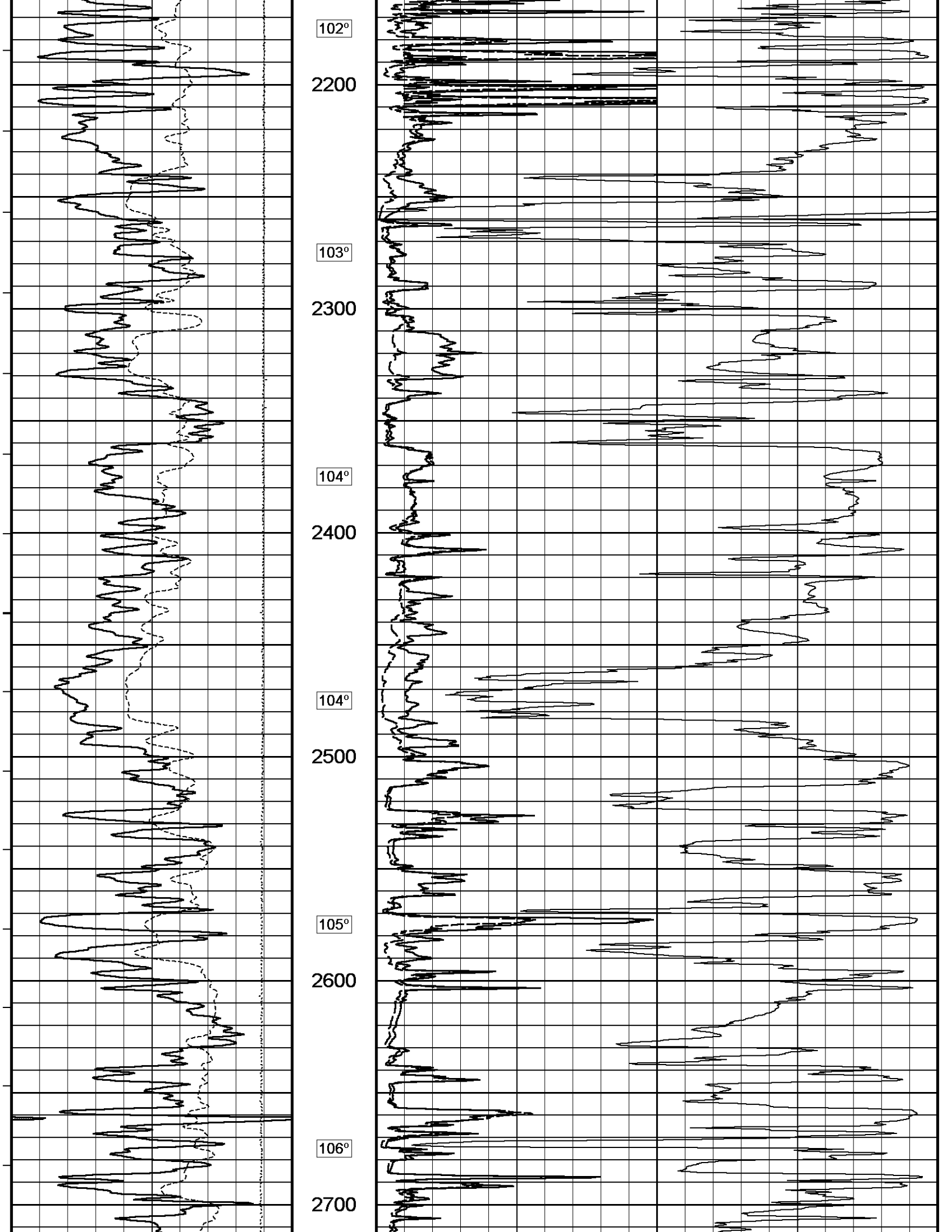
100°
Array Ind. One Cond Ct
Shallow FF
Spontaneous Potential
2000
Gamma Ray
DST Uphole Tension
100°
2100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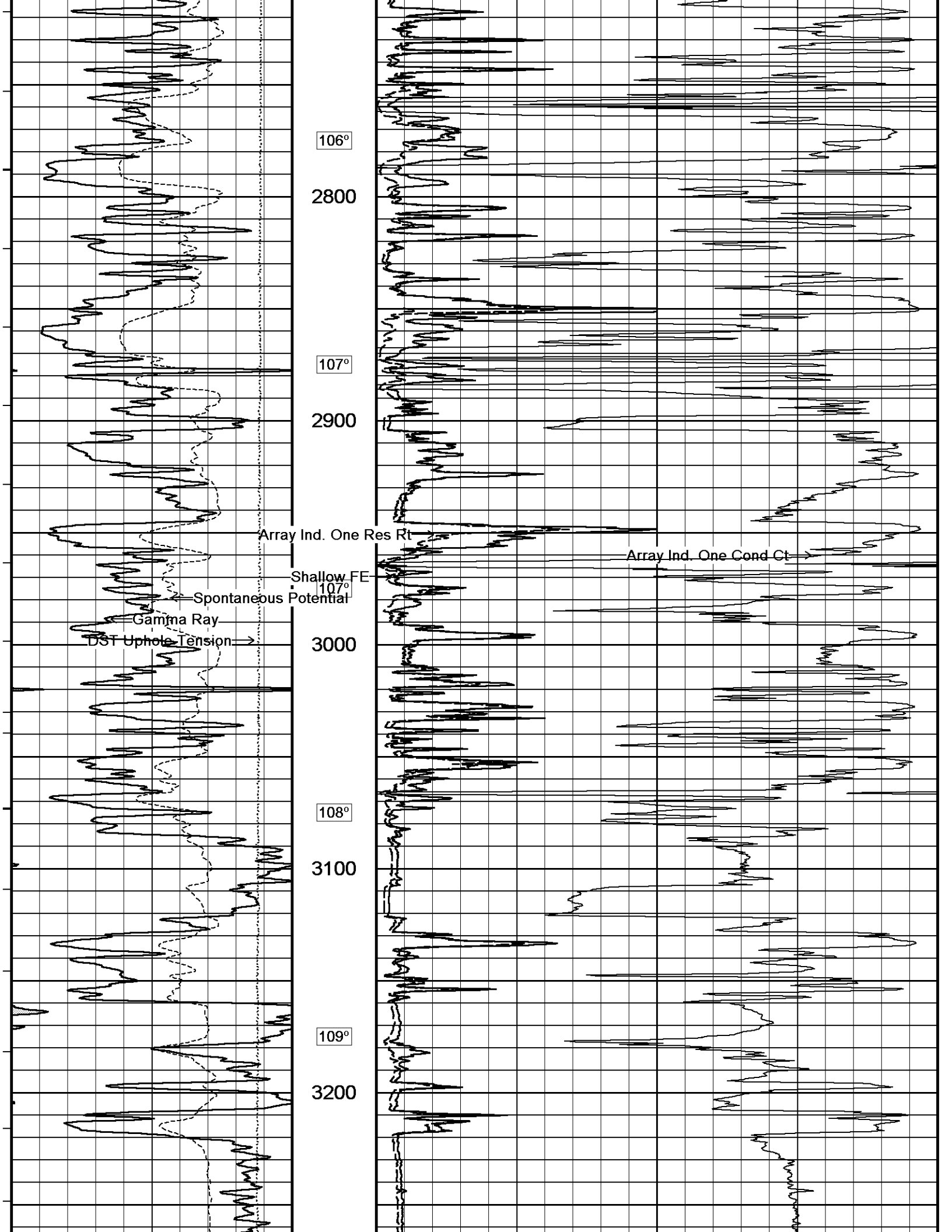
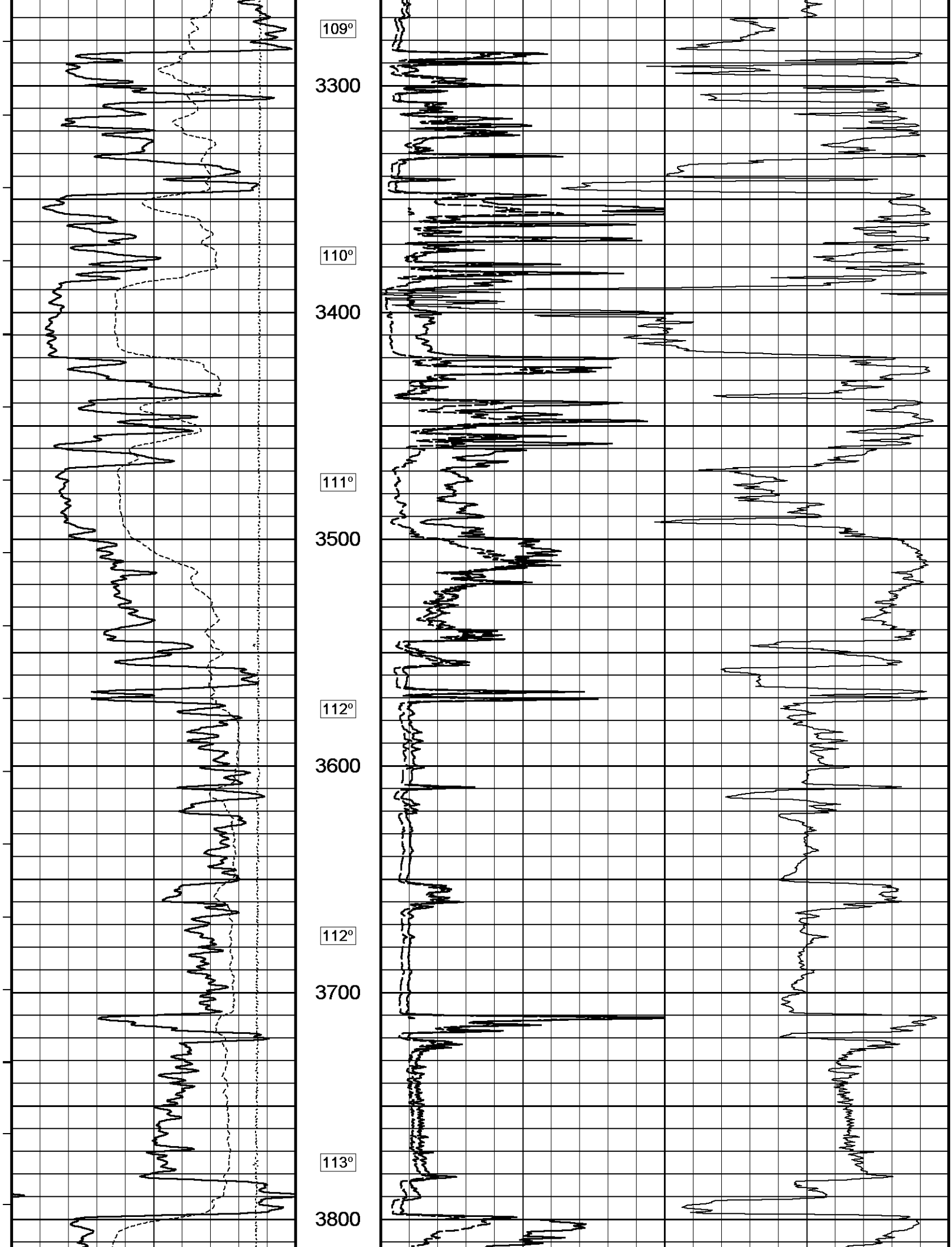
2200
103°
2300
104°
2400
104°
2500
105°
2600
106°
2700


106°
2800
107°
2900
Array Ind. One Res Rt
Array Ind. One Cond Ct
Shallow FE
107°
Spontaneous Potential
Gamma Ray
DST Uphole Tension
3000
108°
3100
109°
3200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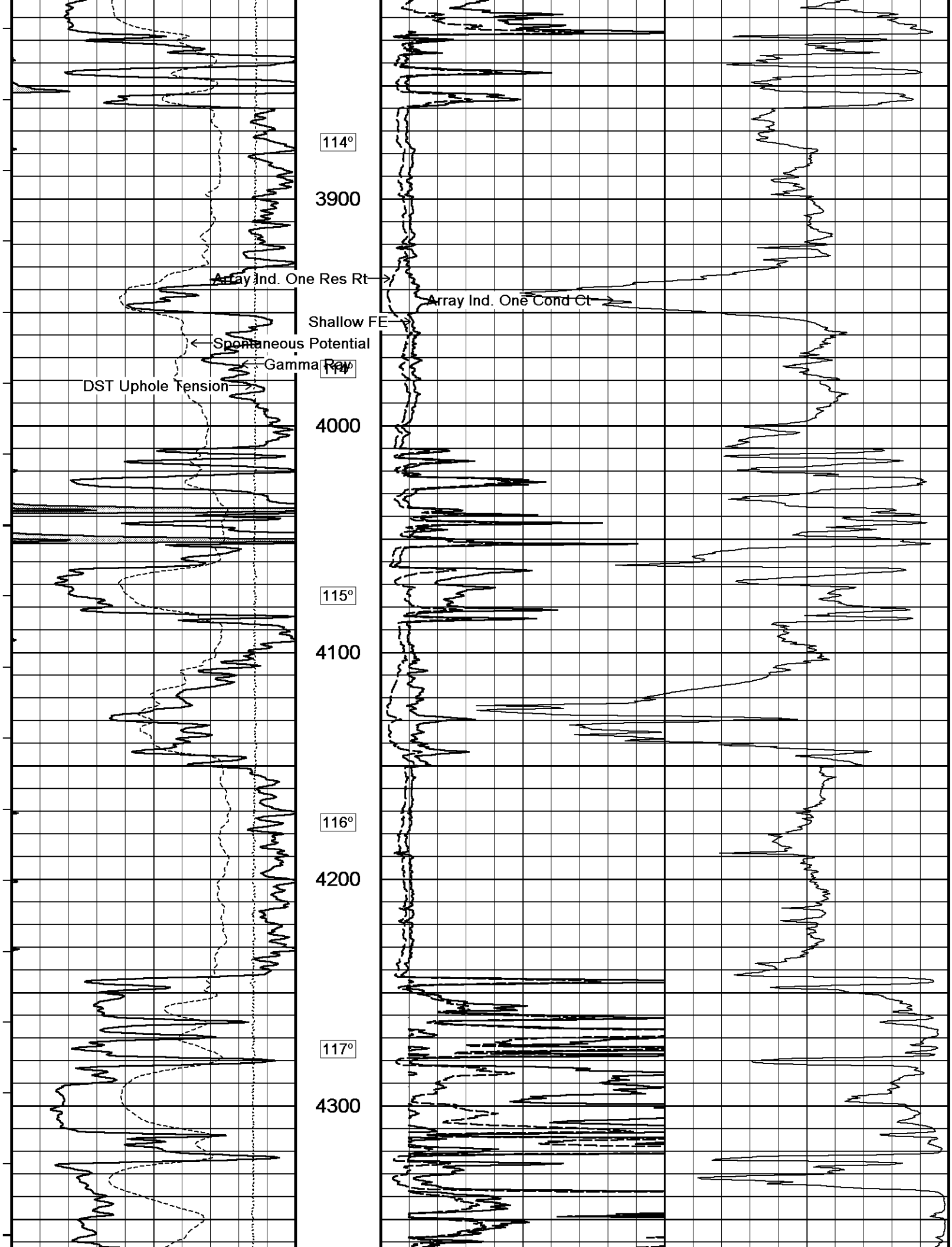
3300
110°
3400
111°
3500
112°
3600
112°
3700
113°
3800


114°
3900
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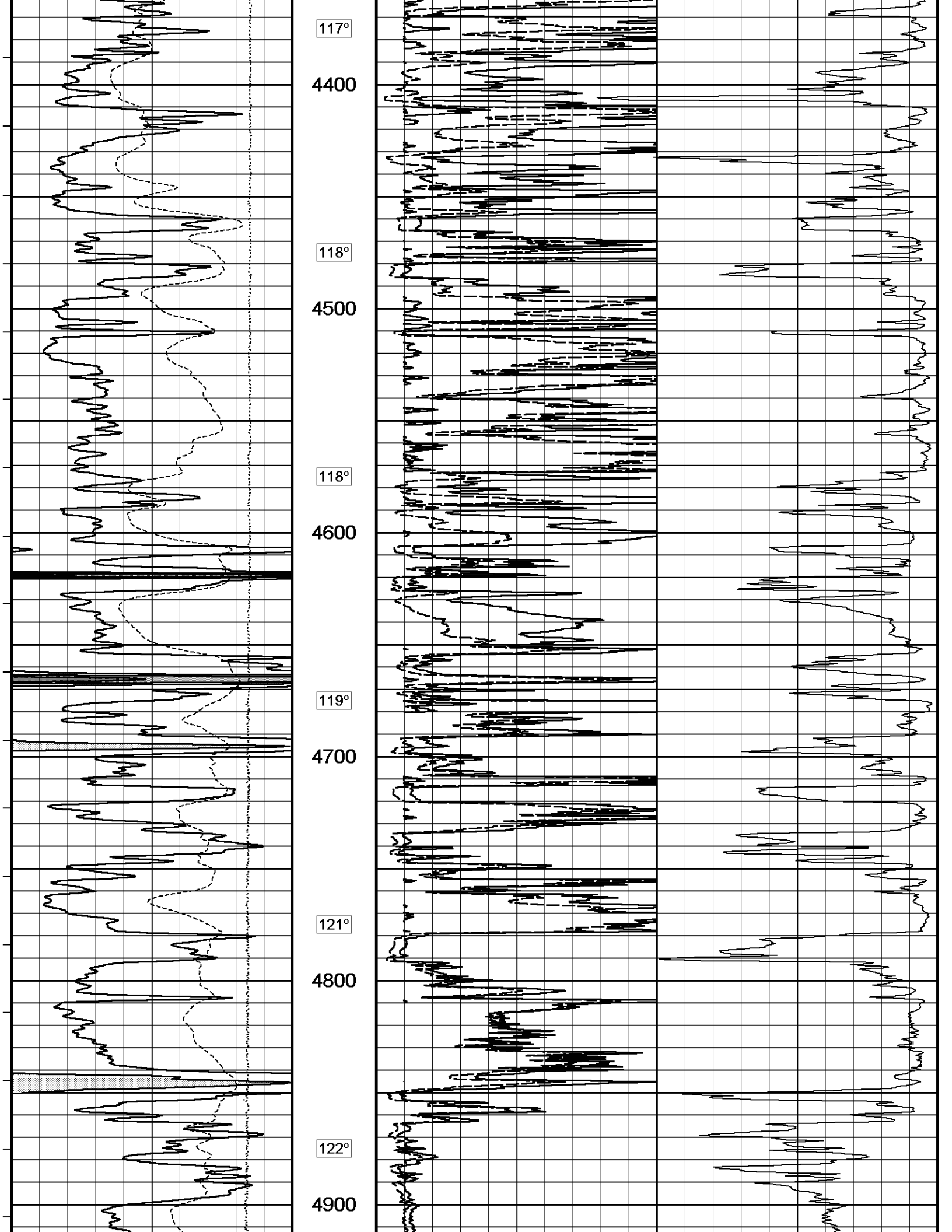
Array Ind. One Cond Ct
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
114°
4000
115°
4100
116°
4200
117°
4300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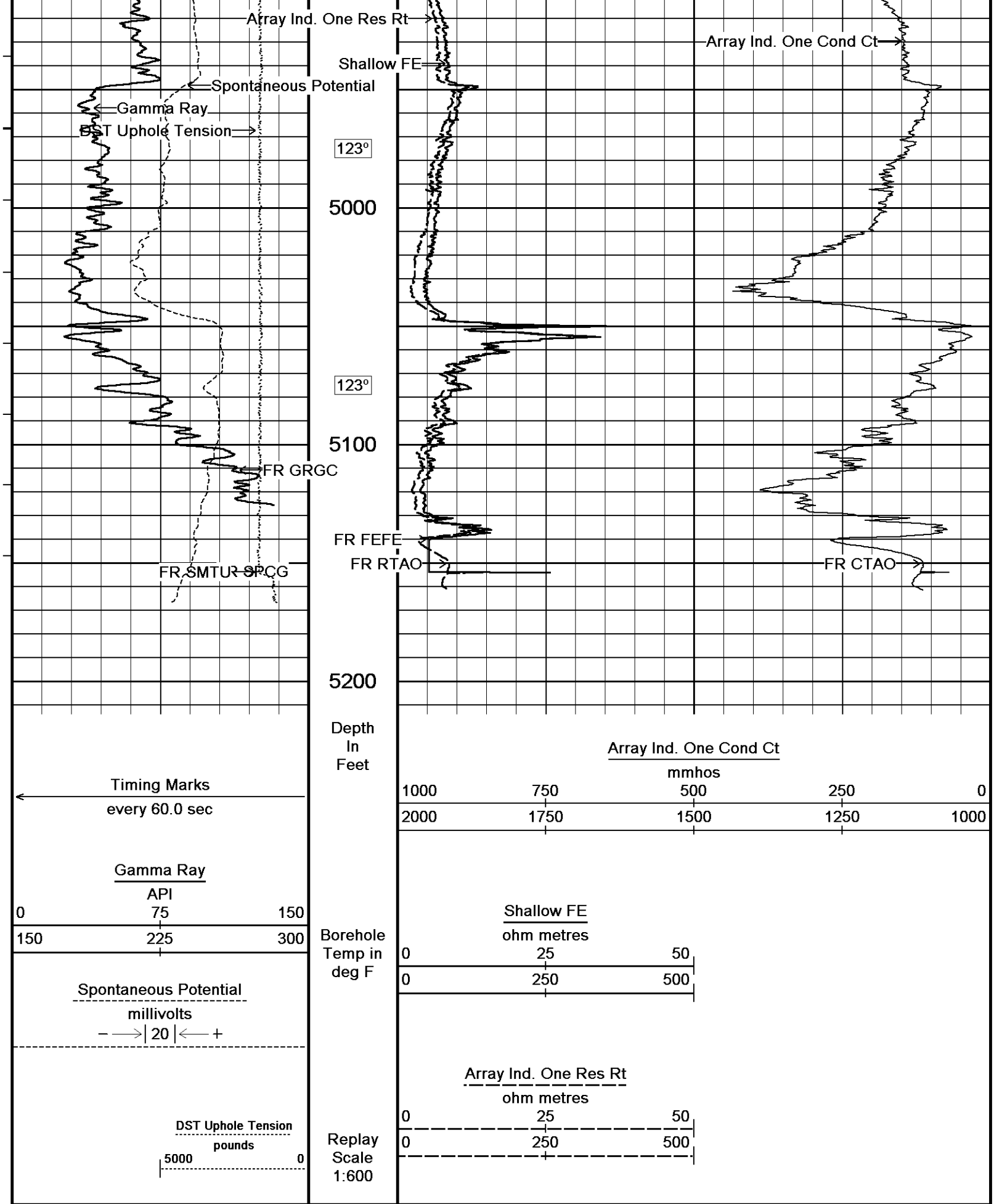
4400
118°
4500
118°
4600
119°
4700
121°
4800
122°
4900



Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 29-JUN-2013 06:08
Filename: C:\Minimus 13.05.9583\Log\M&M Exploration Z-Bar 35-6\M&M Z-Bar #35-6_002.dta
Recorded on 29-JUN-2013 03:50
System Versions: Logged with 13.05.9583 Plotted with 13.05.9583

2 INCH MAIN

5 INCH MAIN

Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Minimus 13.05.9583\Log\M&M Exploration Z-Bar 35-6\M&M Z-Bar #35-6_002.dta
System Versions: Logged with 13.05.9583 Plotted with 13.05.9583

Plotted on 29-JUN-2013 06:08
Recorded on 29-JUN-2013 03:50

Timing Marks
every 60.0 sec

Gamma Ray
API
0 75 150
150 225 300

Spontaneous Potential
millivolts
– → | 20 | ← +

DST Uphole Tension
pounds
5000 0

Depth In Feet

Borehole Temp in deg F

Replay Scale 1:240

Shallow FE
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 Rt
ohm metres
0.20 1 10 100 1000 2000

878

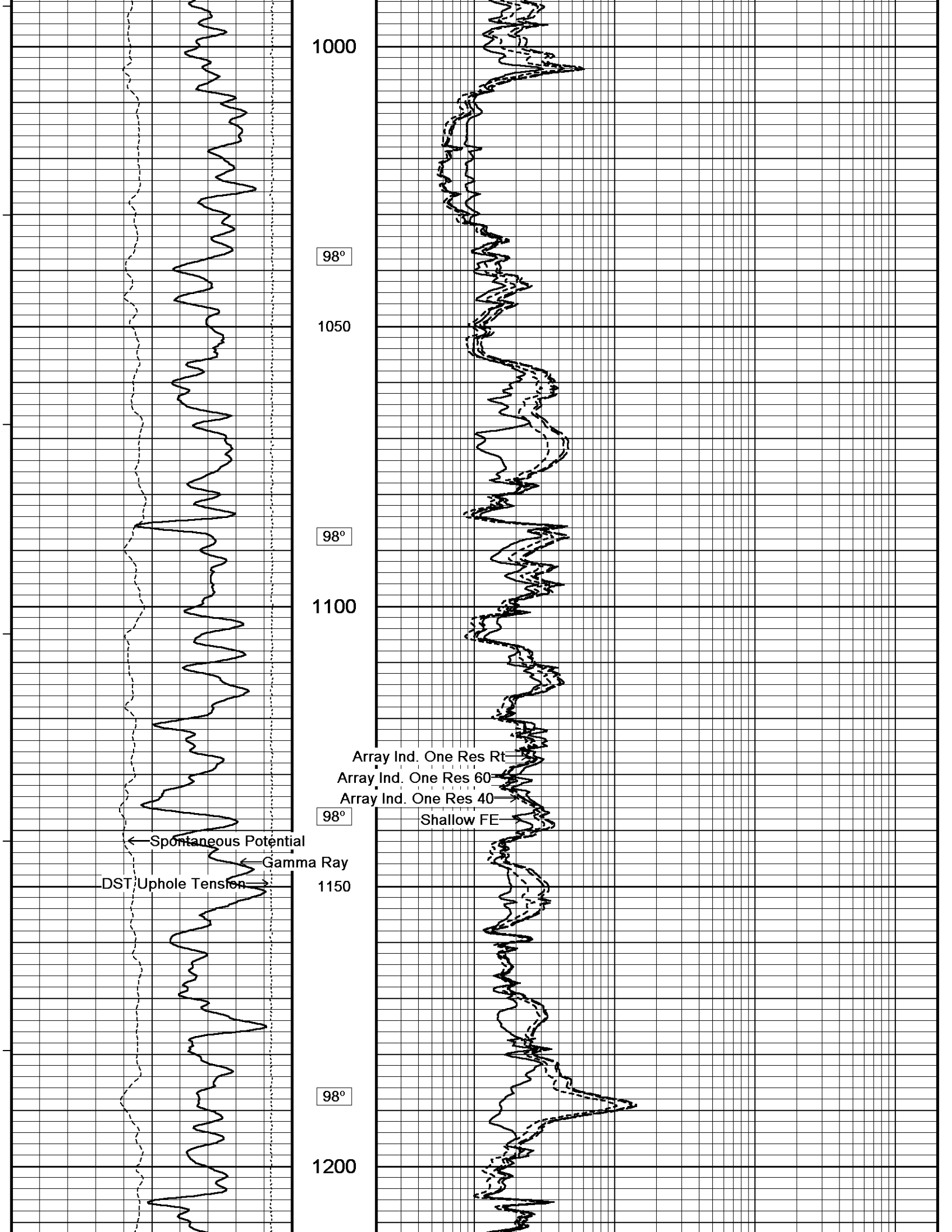
Casing Shoe

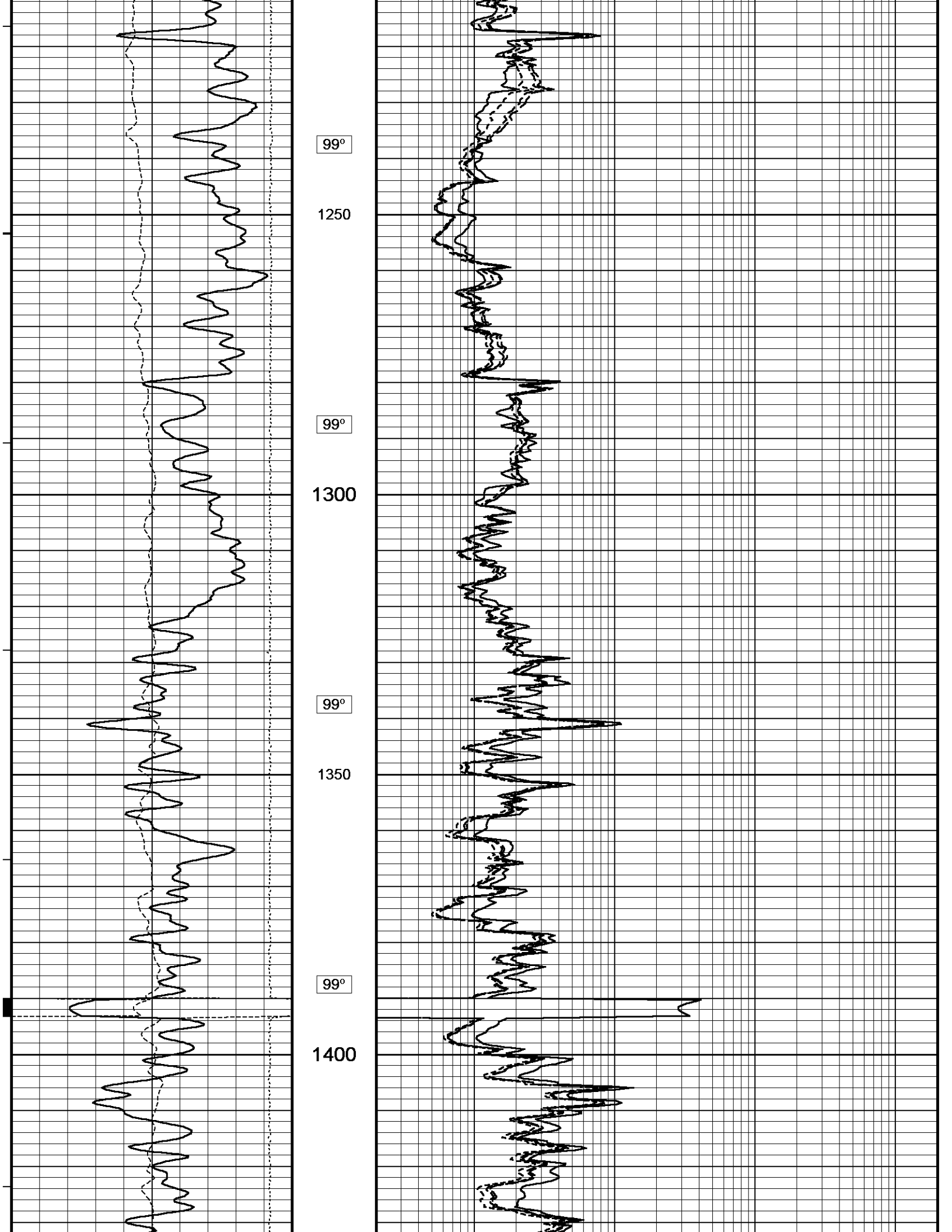
900

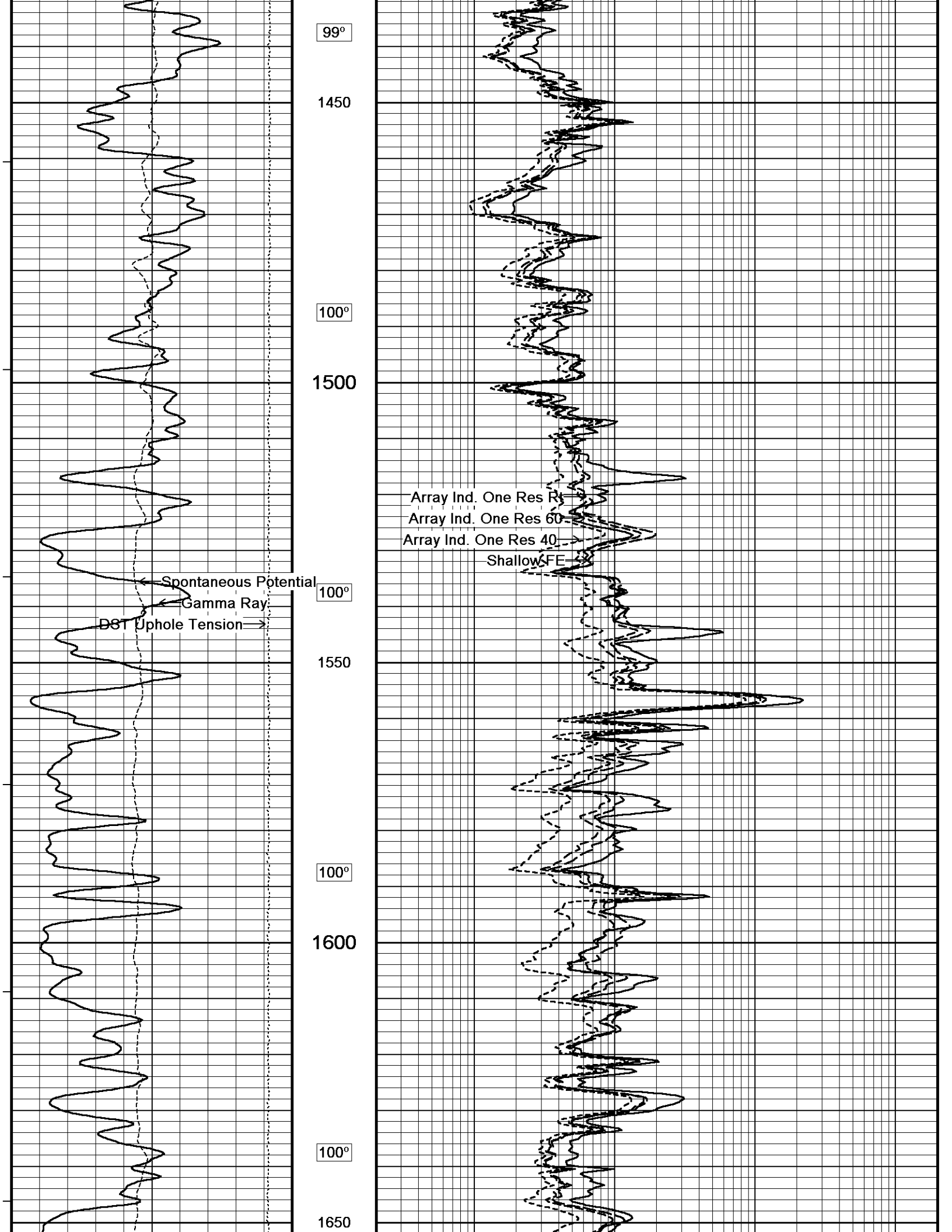
97°

950

97°


1000
98°
1050
98°
1100
Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
98°
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
1150
98°
1200


99°
1250
99°
1300
99°
1350
99°
1400


99°
1450
100°
1500
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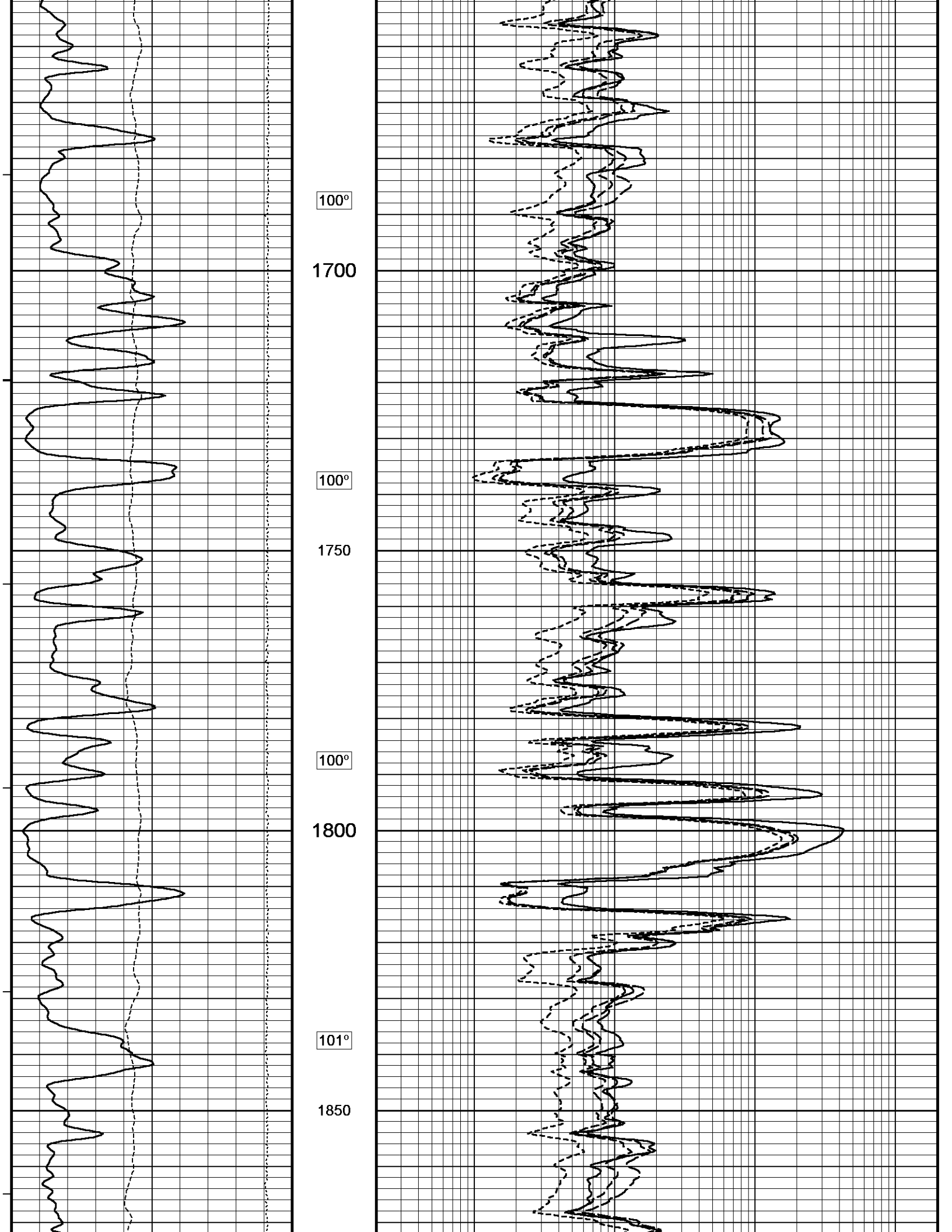
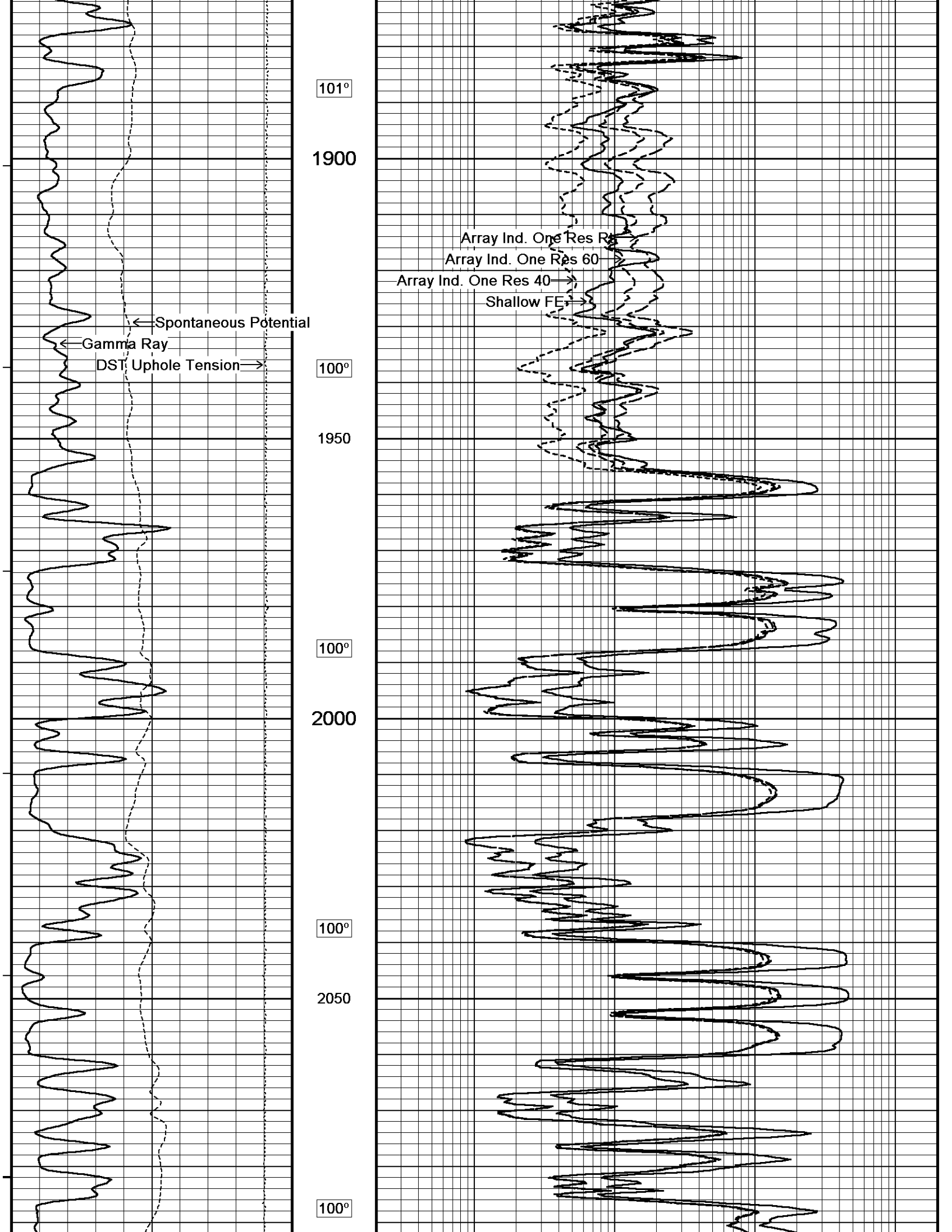
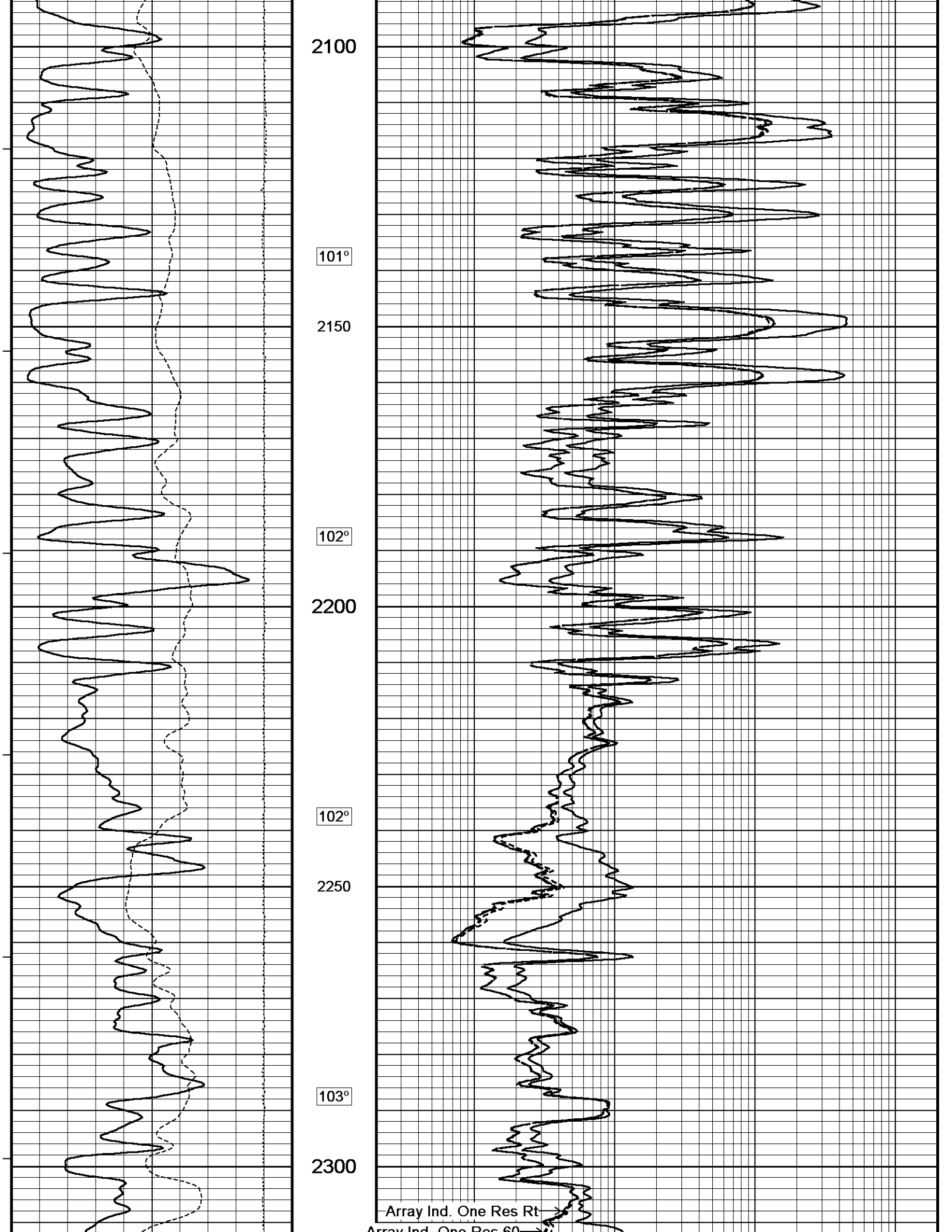
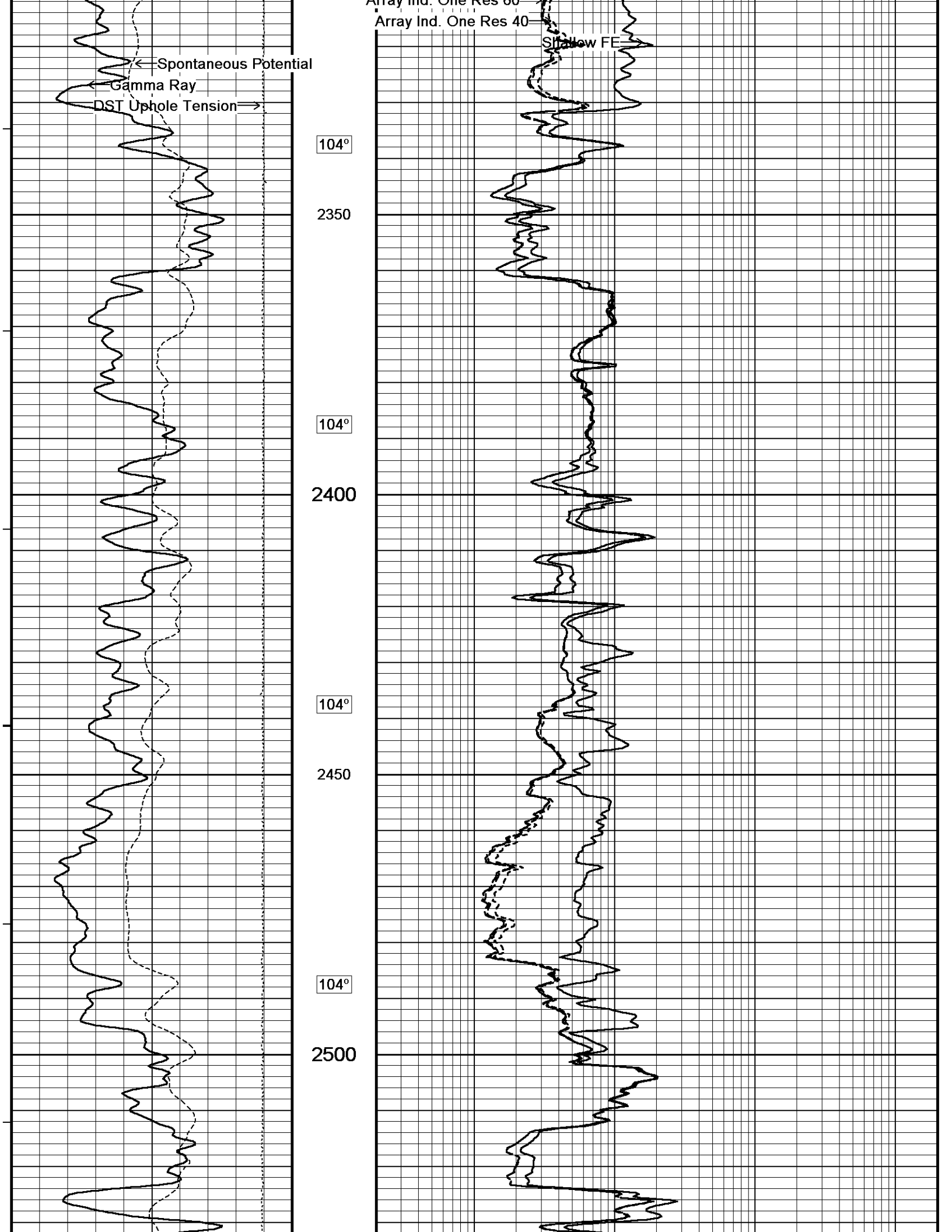
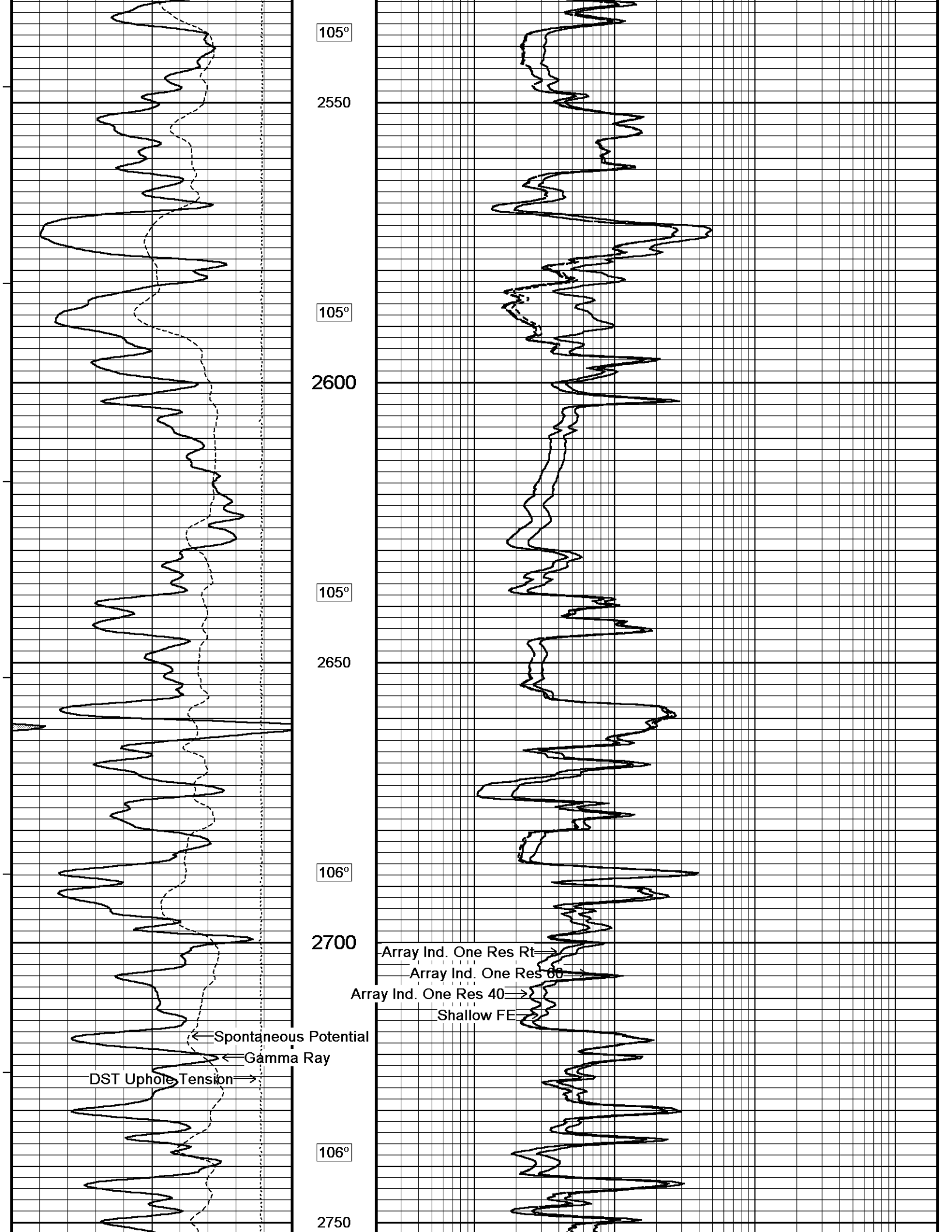
Array Ind. One Res 60
Array Ind. One Res 40
Shallow FE
Spontaneous Potential
100°
Gamma Ray
DST Uphole Tension
1550
100°
1600
100°
1650

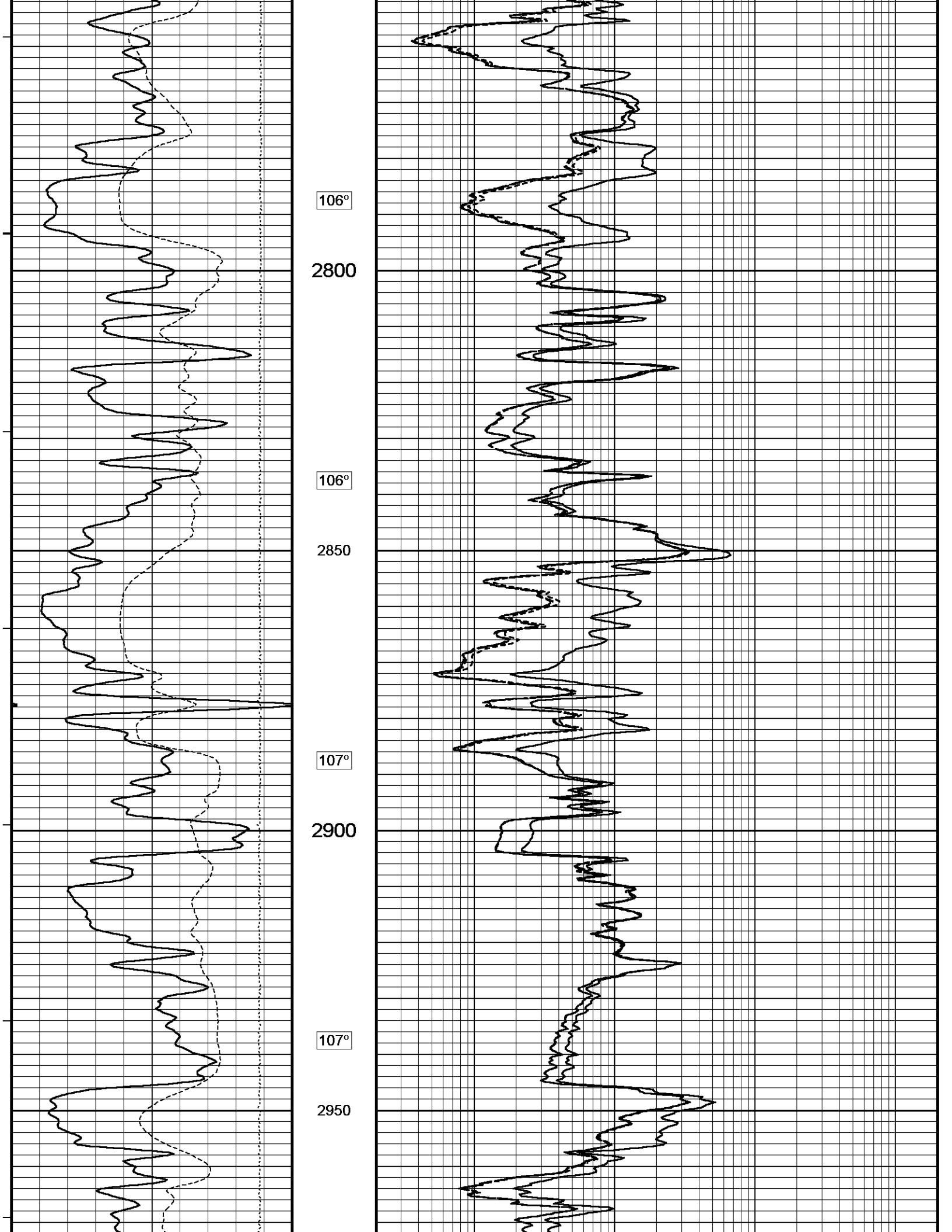

100°
1700
100°
1750
100°
1800
101°
1850

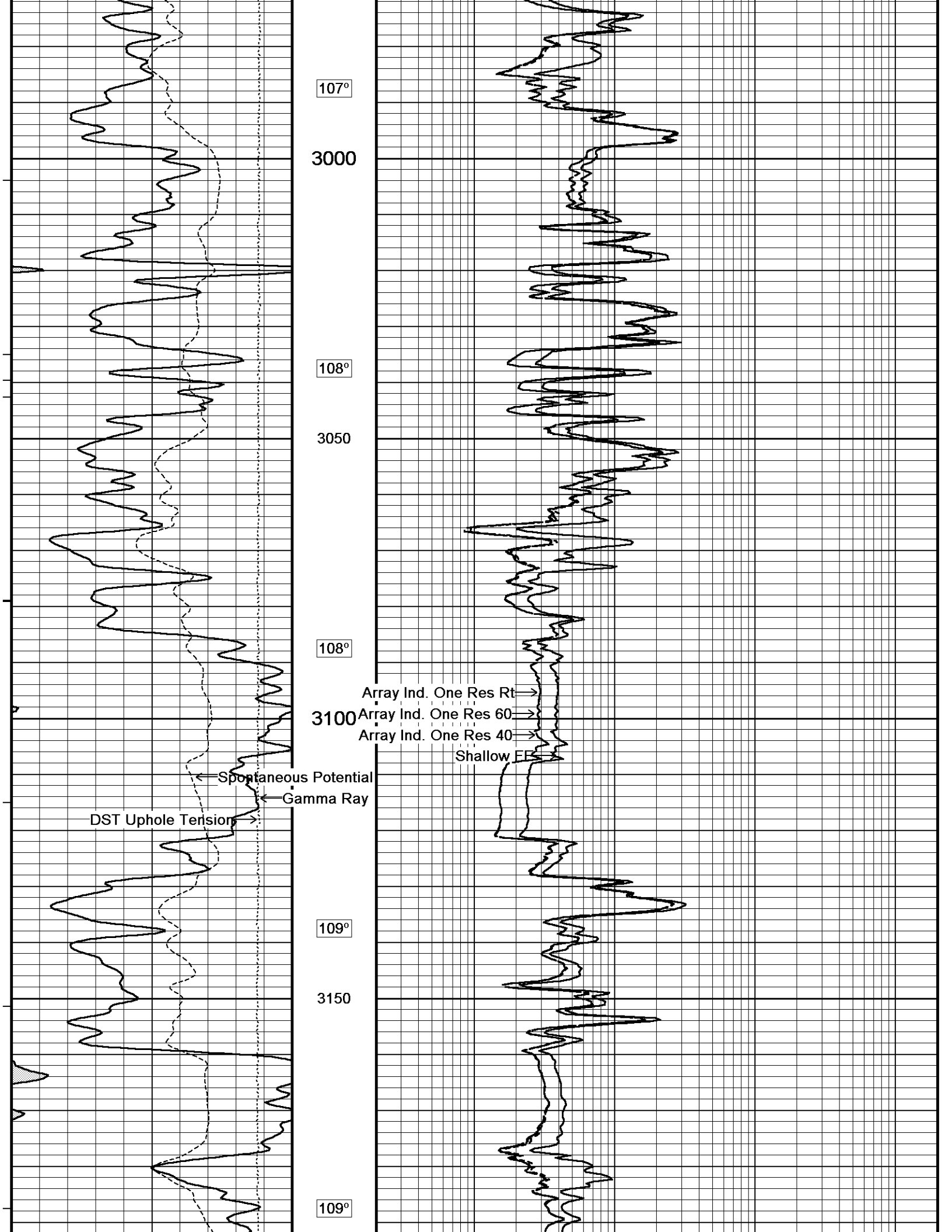

101°
1900
Array Ind. One Res R
Array Ind. One Res 60
Array Ind. One Res 40
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
100°
1950
100°
2000
100°
2050
100°

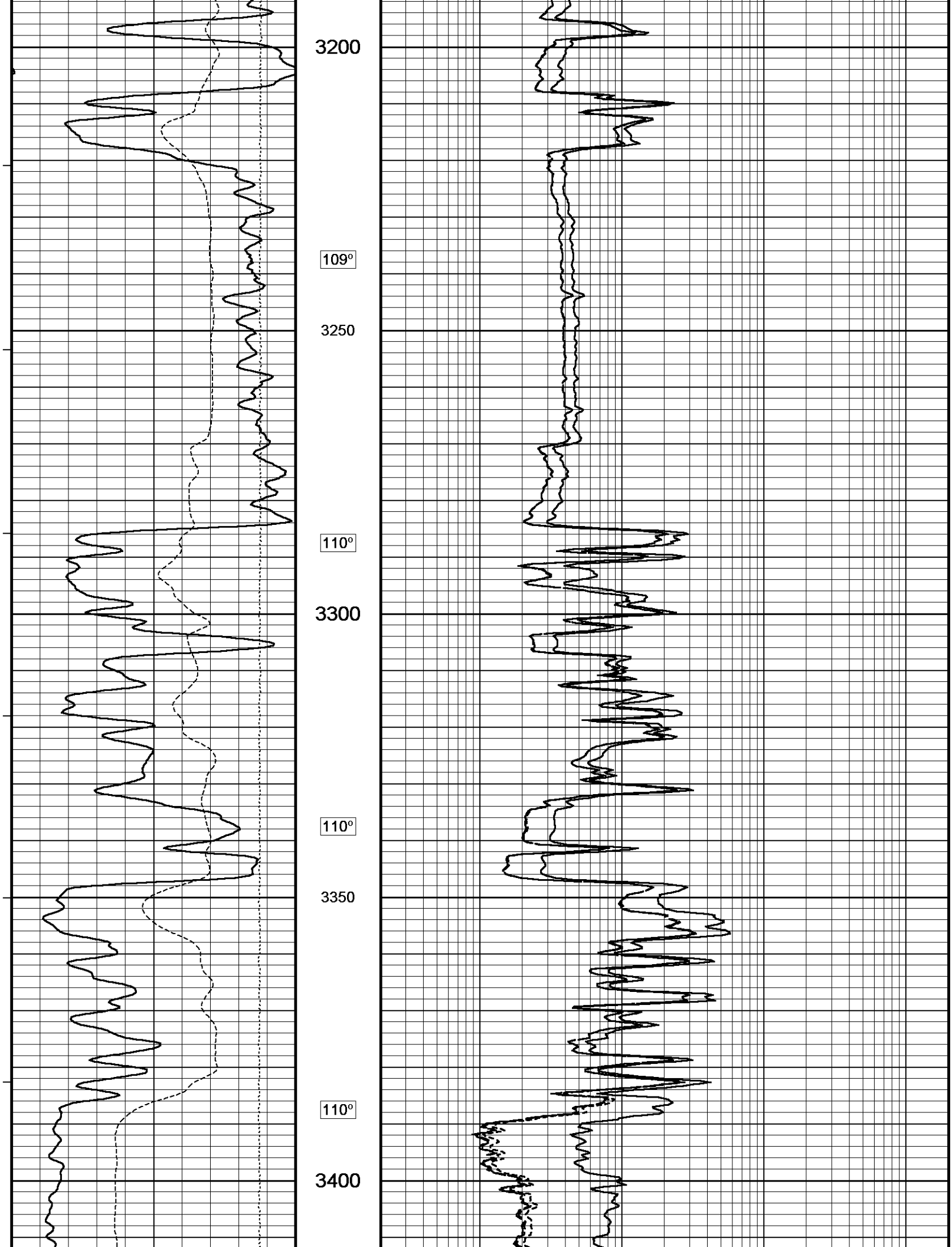

2100
101°
2150
102°
2200
102°
2250
103°
2300
Array Ind. One Res Rt
Array Ind. One Res 60


Array Ind. One Res 60
Array Ind. One Res 40
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
104°
2350
104°
2400
104°
2450
104°
2500


105°
2550
105°
2600
105°
2650
106°
2700
Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
106°
2750


106°
2800
106°
2850
107°
2900
107°
2950


107°
3000
108°
3050
108°
3100
109°
3150
109°
Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
Shallow ER
Spontaneous Potential
Gamma Ray
DST Uphole Tension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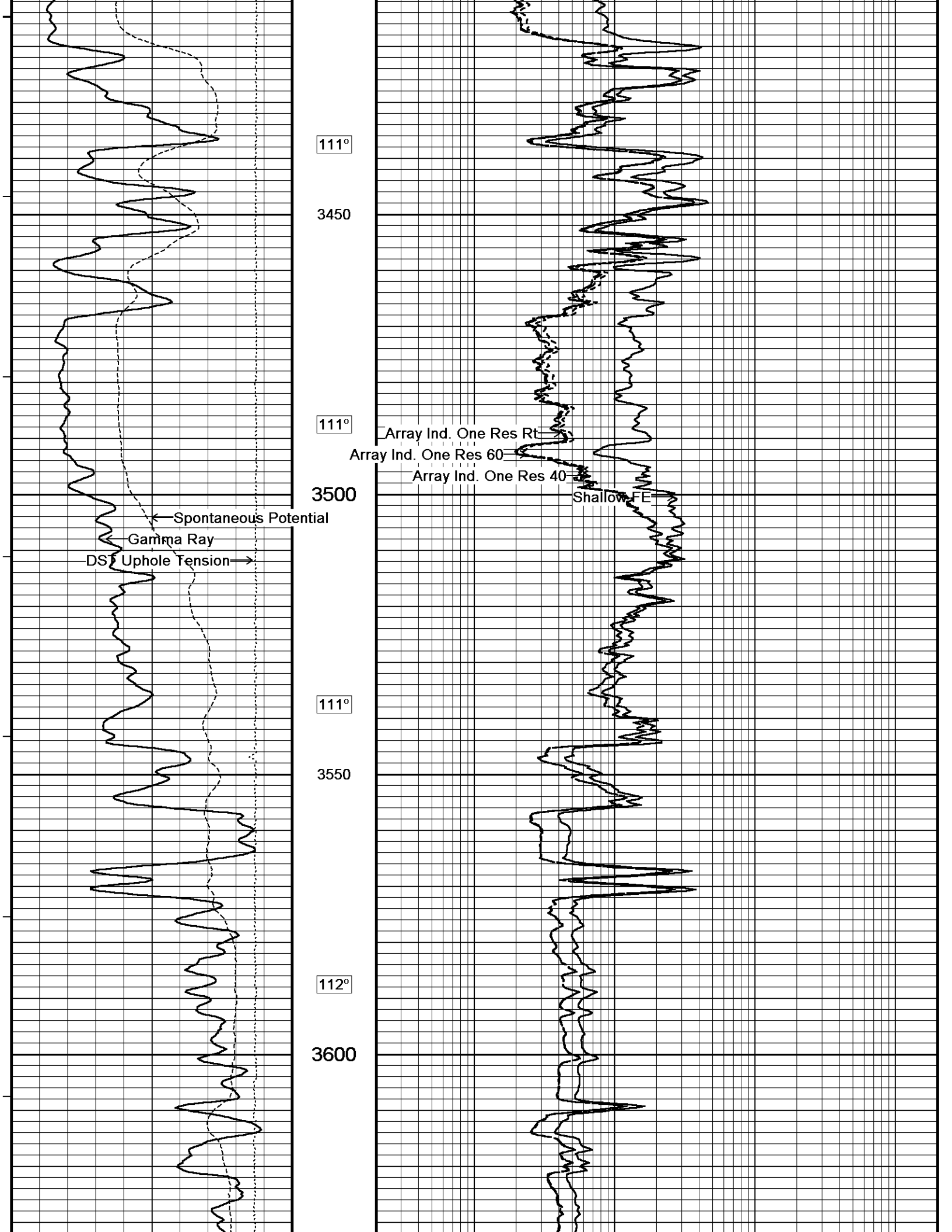
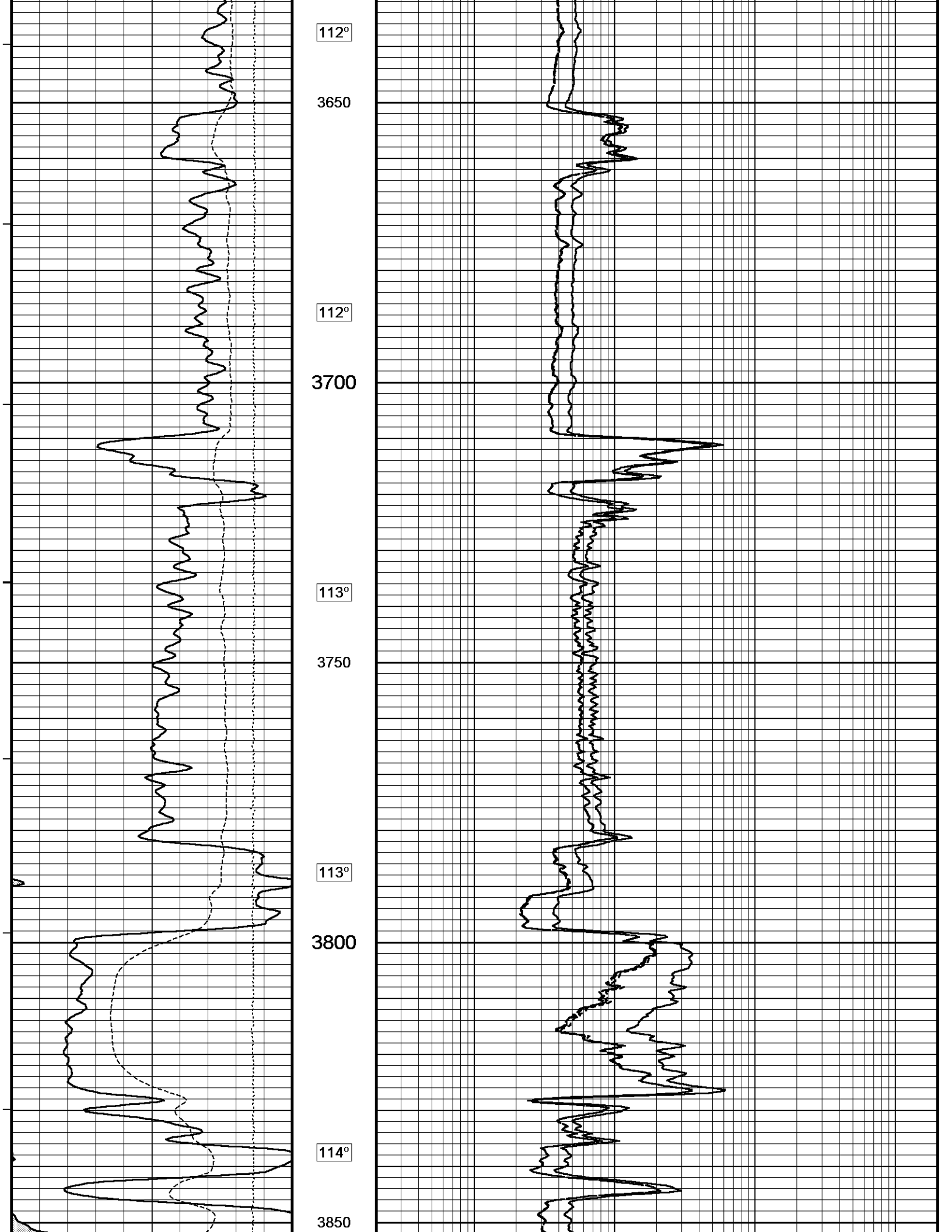
109°
3250
110°
3300
110°
3350
110°
3400


111°
3450
111°
Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
3500
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
111°
3550
112°
3600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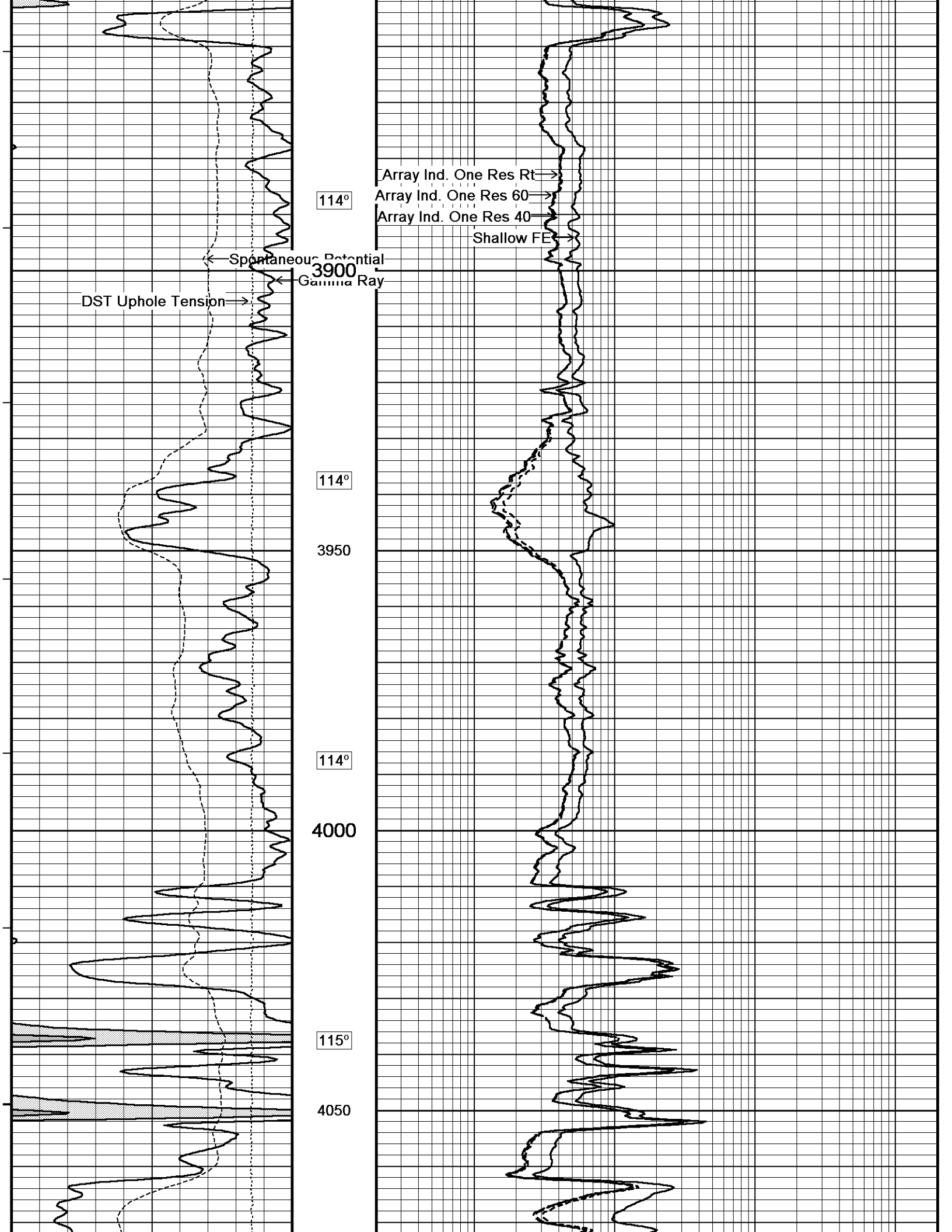
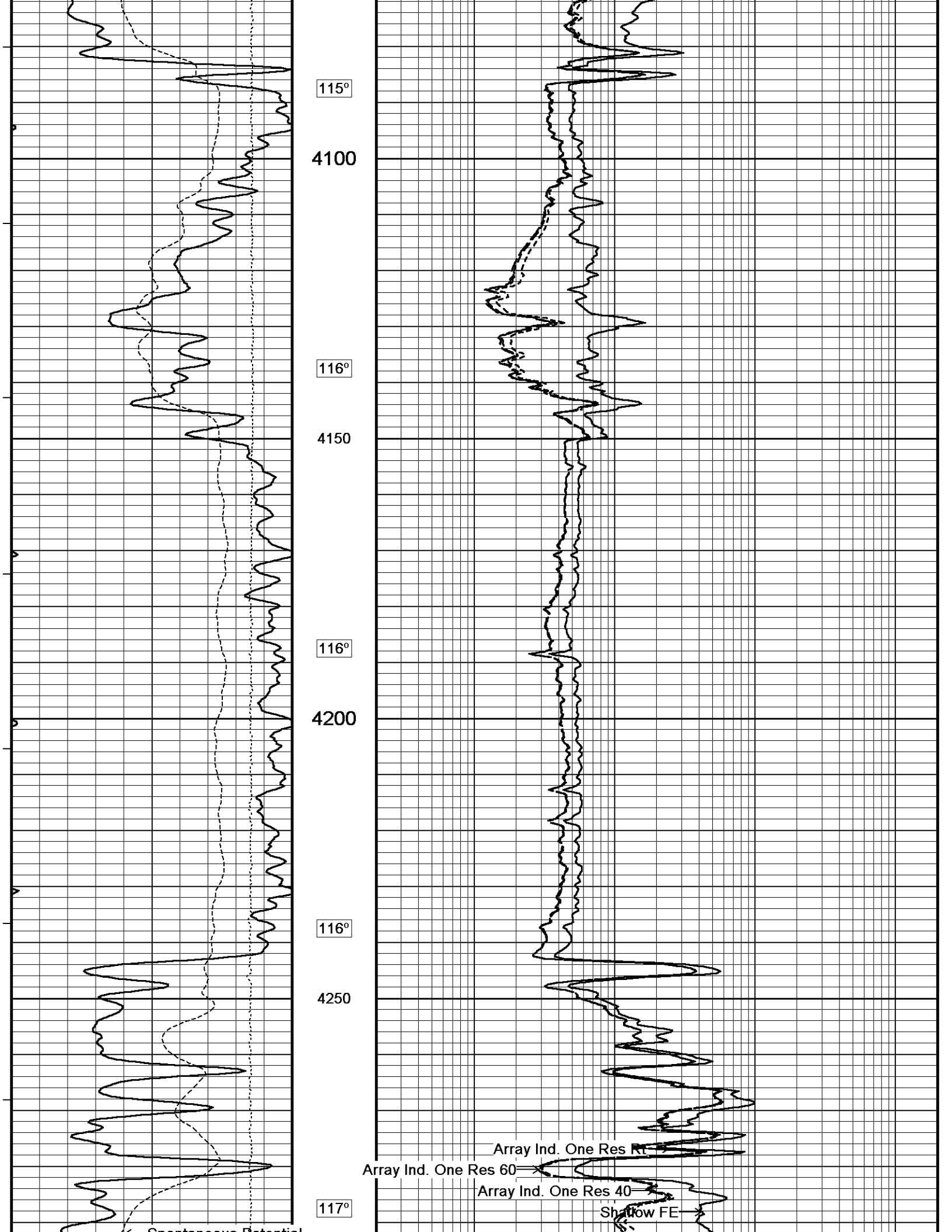
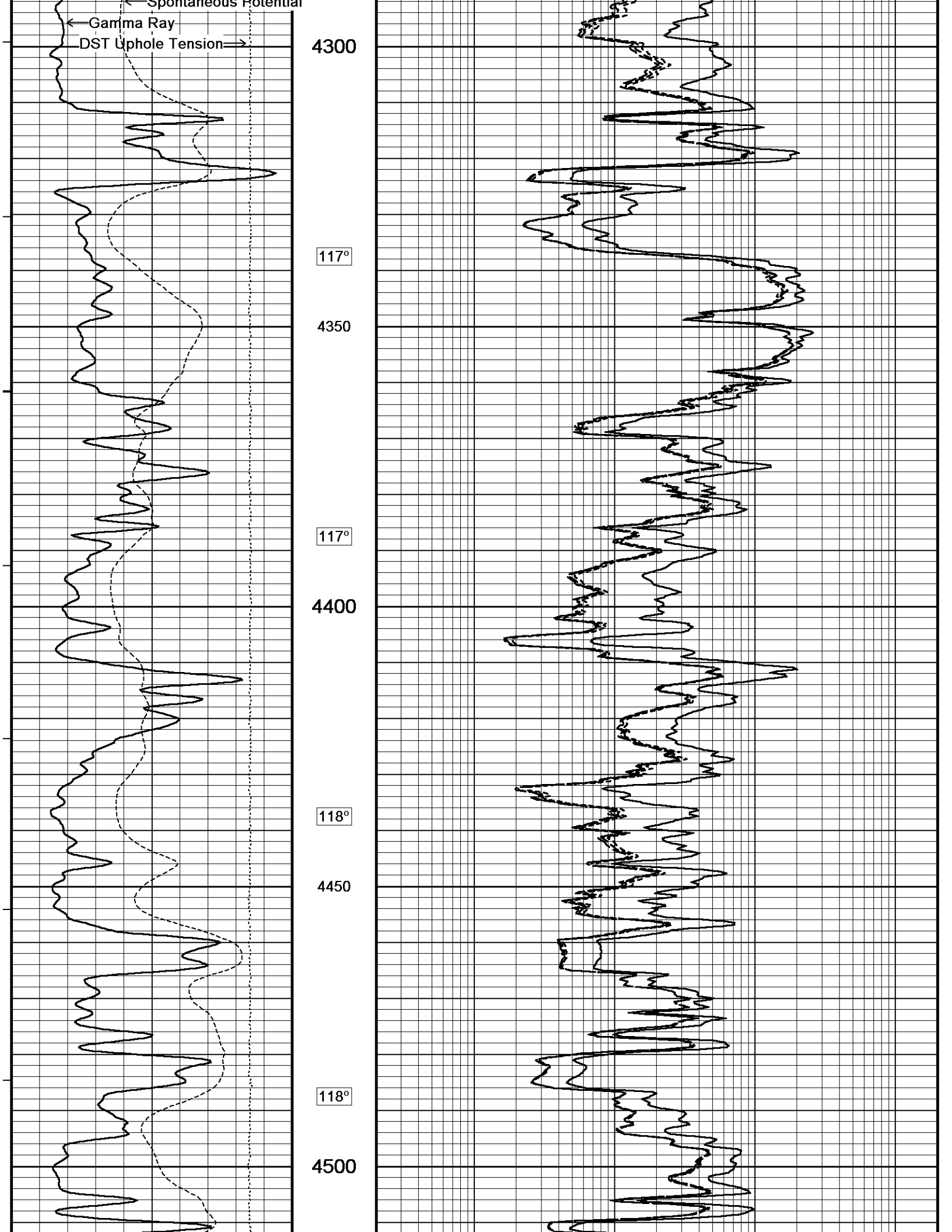
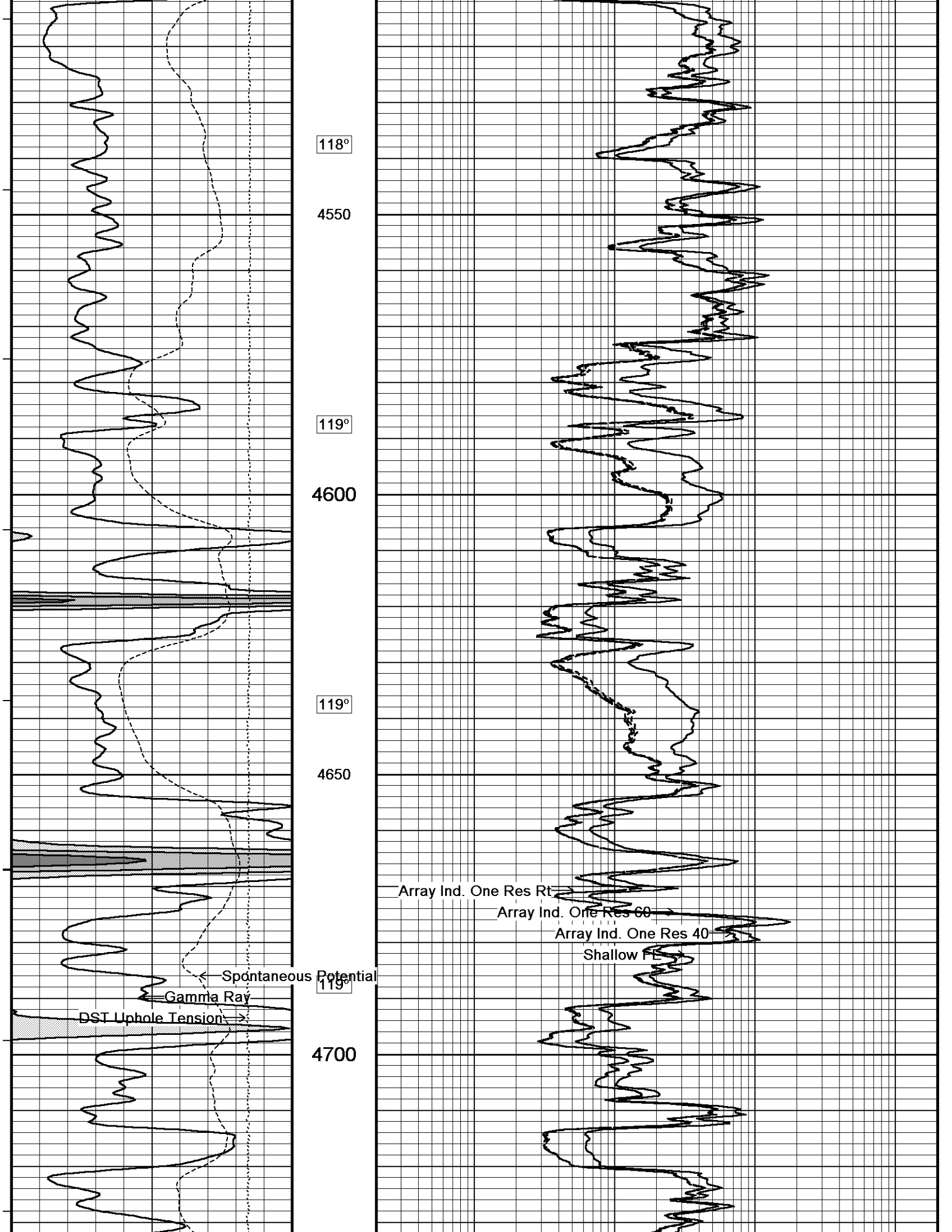
112°
3700
113°
3750
113°
3800
114°
3850


Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
Shallow FE
114°
Spontaneous Potential
3900
Gamma Ray
DST Uphole Tension
114°
3950
114°
4000
115°
4050


115°
4100
116°
4150
116°
4200
116°
4250
117°
Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
Shallow FE


Spontaneous Potential
Gamma Ray
DST Uphole Tension
4300
117°
4350
117°
4400
118°
4450
118°
4500


118°
4550
119°
4600
119°
4650
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4700
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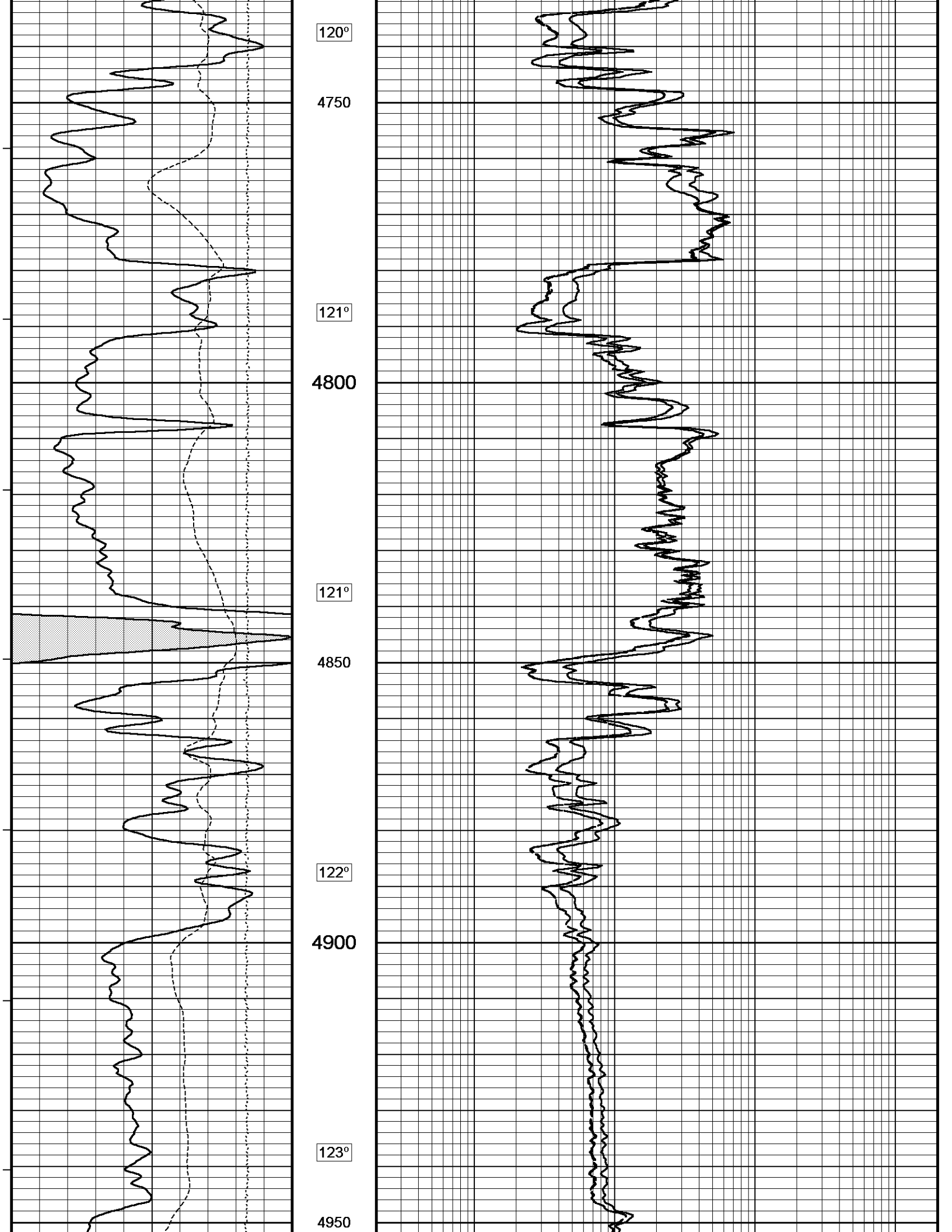
Array Ind. One Res 40
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension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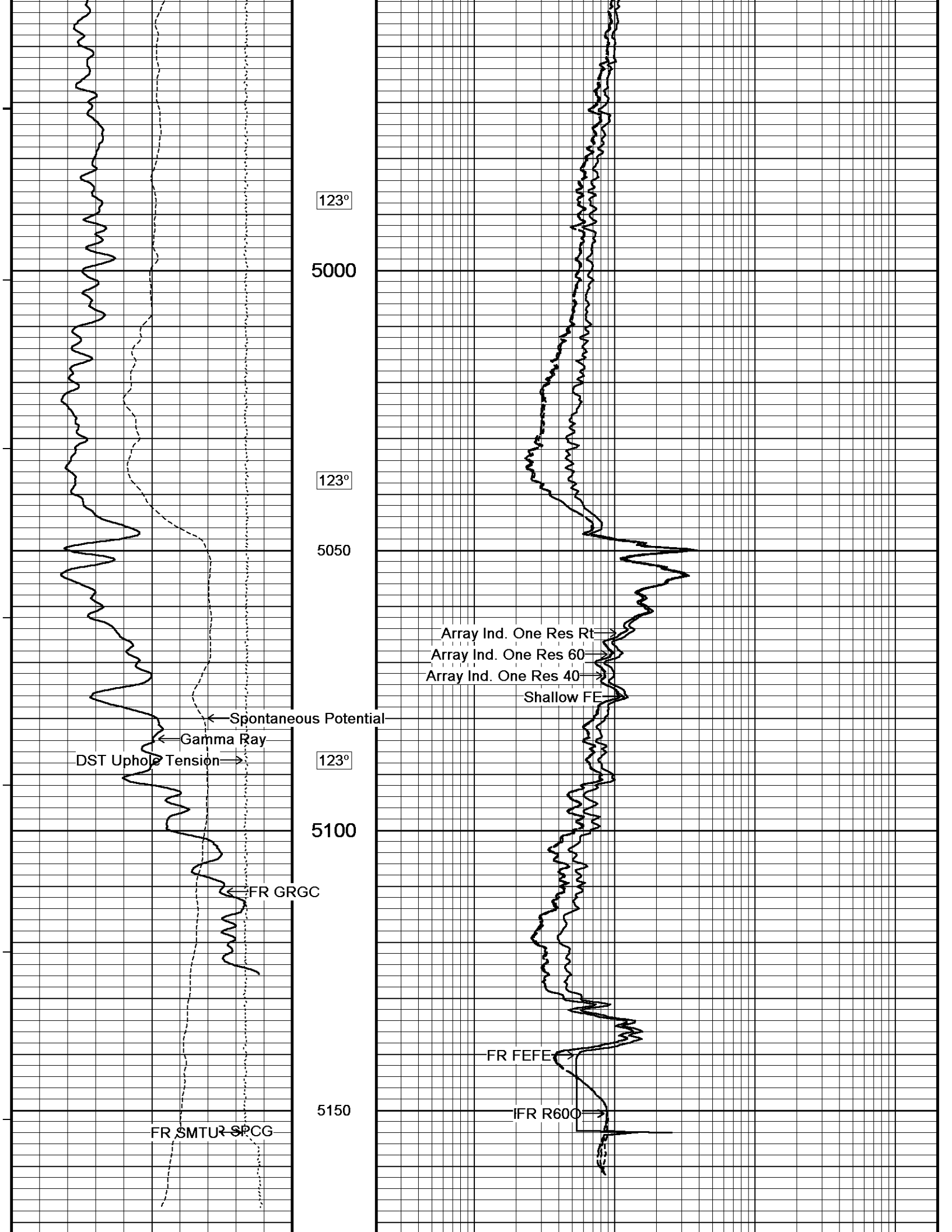
4750
121°
4800
121°
4850
122°
4900
123°
4950


123°
5000
123°
5050
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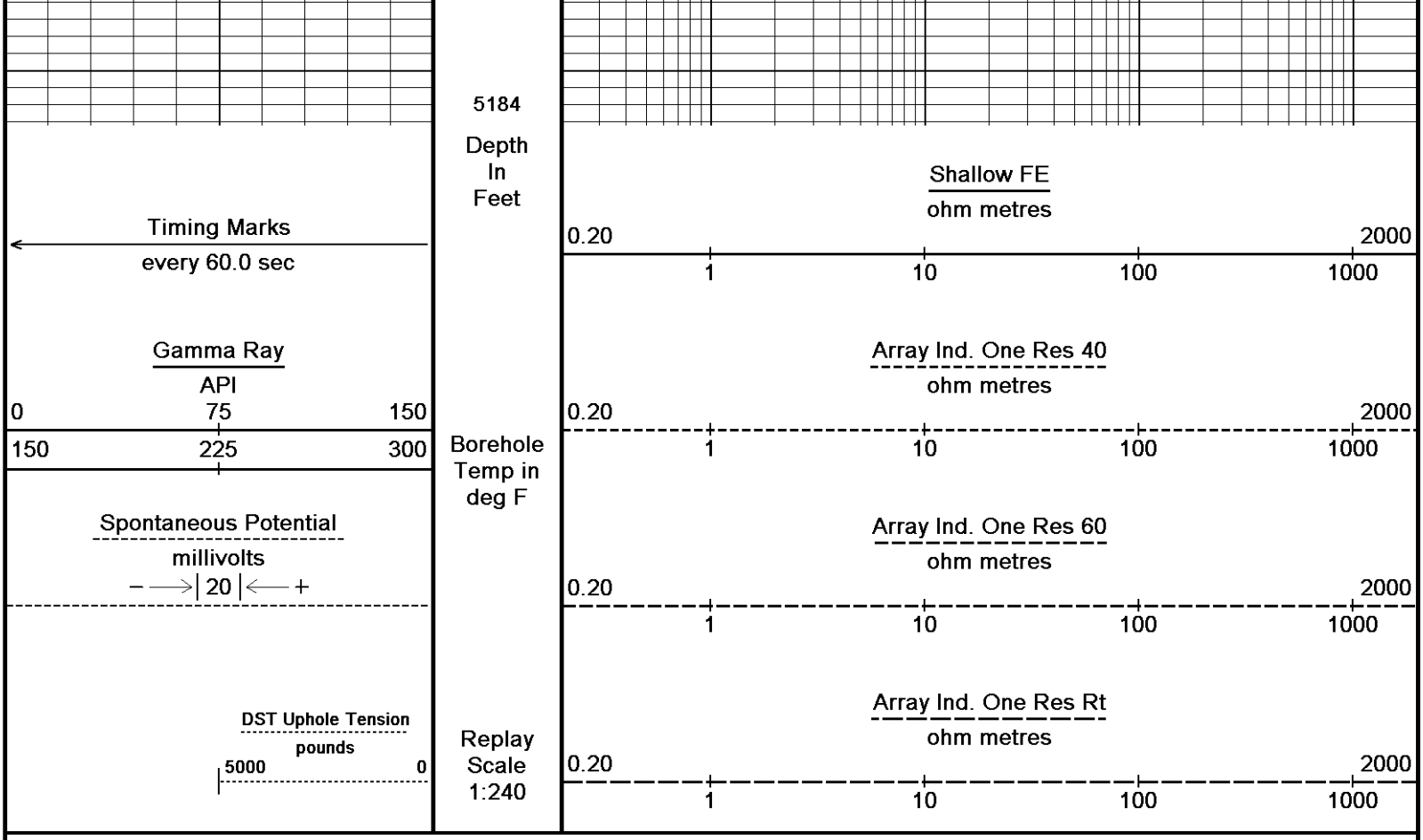
Array Ind. One Res 60
Array Ind. One Res 40
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
123°
5100
FR GRGC
FR FEFE
5150
IFR R60O
FR SMTU
SPCG

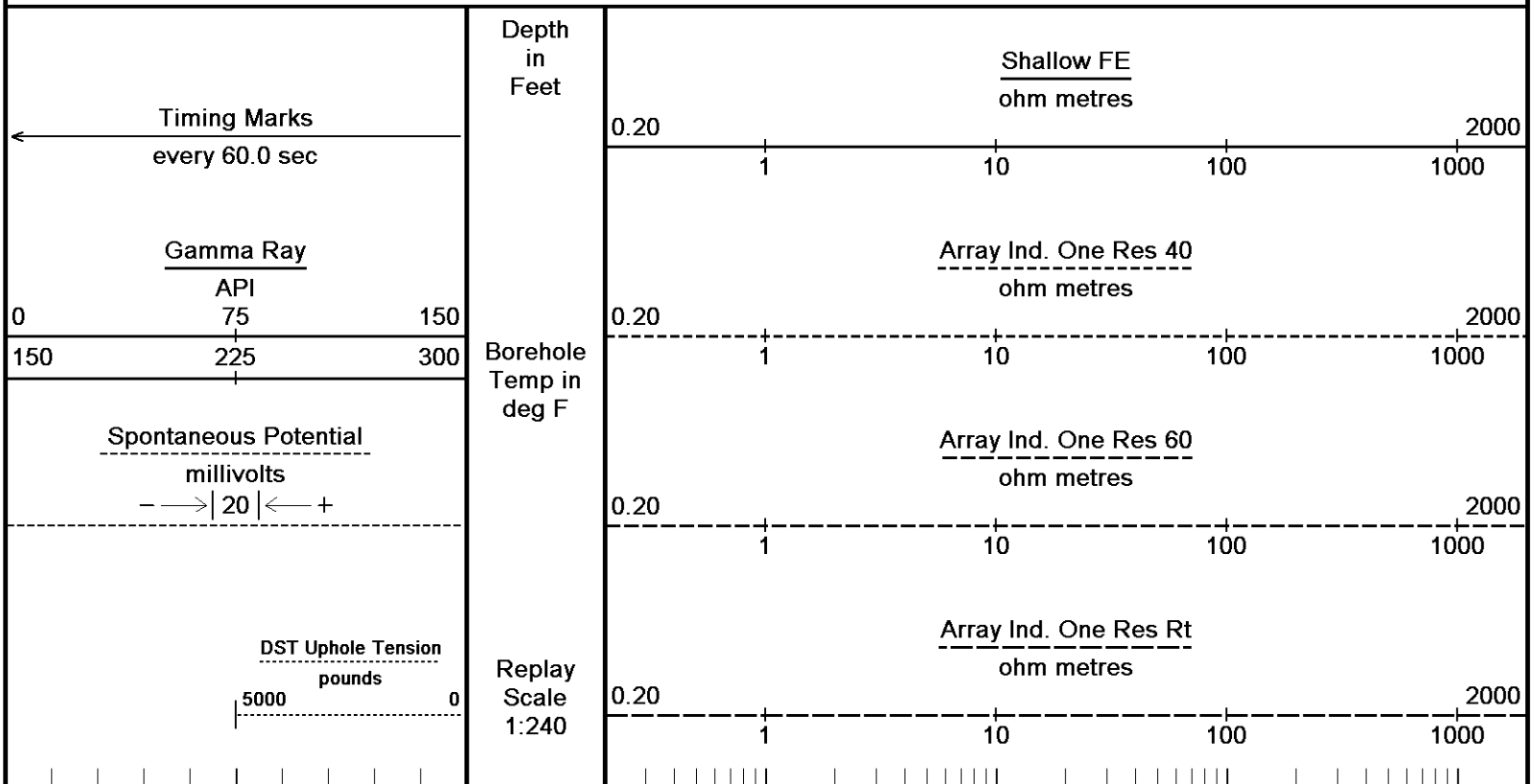


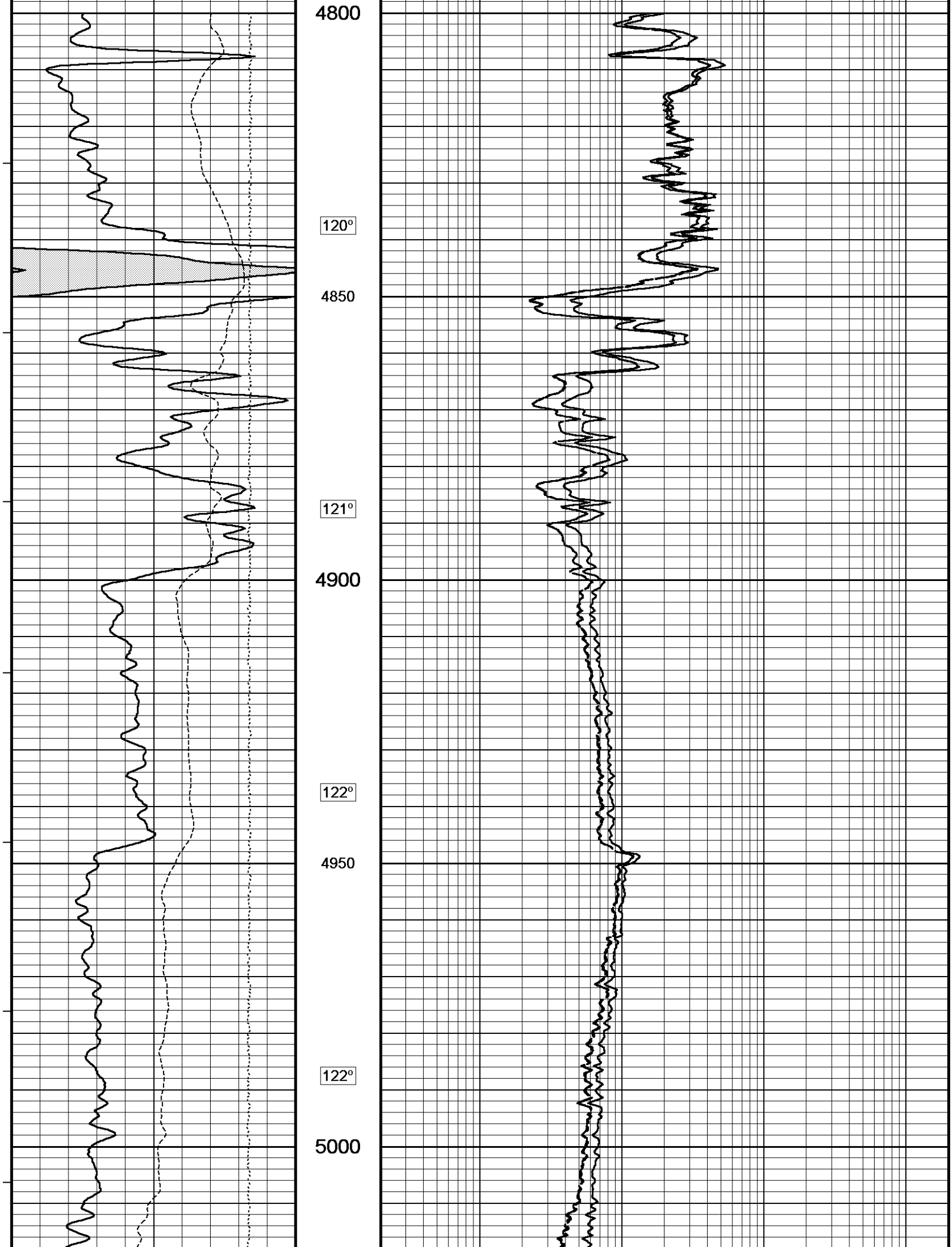
Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 29-JUN-2013 06:08
Filename: C:\Minimus 13.05.9583\Log\M&M Exploration Z-Bar 35-6\M&M Z-Bar #35-6_002.dta
Recorded on 29-JUN-2013 03:50
System Versions: Logged with 13.05.9583 Plotted with 13.05.9583

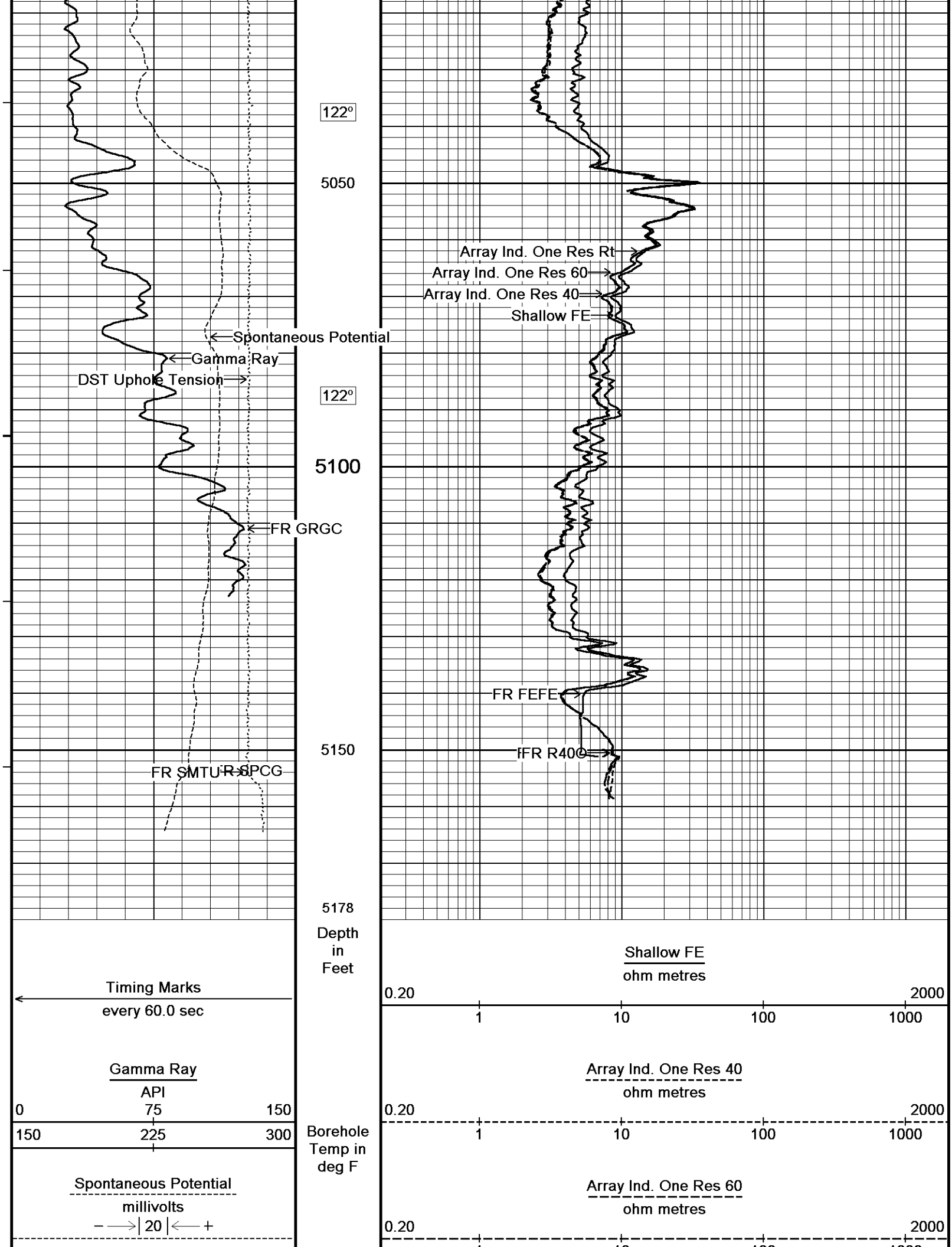
5 INCH MAIN

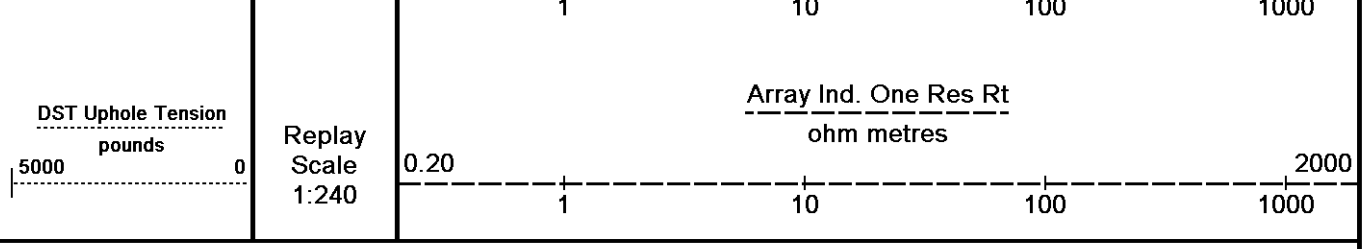
REPEAT SECTION

Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 29-JUN-2013 06:08
Filename: C:\Minimus 13.05.9583\Log\M&M Exploration Z-Bar 35-6\M&M Z-Bar #35-6_001.dta
Recorded on 29-JUN-2013 03:11
System Versions: Logged with 13.05.9583 Plotted with 13.05.9583




4800
120°
4850
121°
4900
122°
4950
122°
5000


122°
5050
Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
122°
5100
FR GRGC
FR FEFE
5150
FR R40
FR SMTU
FR SPCG
5178
Depth in Feet
Timing Marks
every 60.0 sec
Gamma Ray
API
0
75
150
150
225
300
Borehole Temp in deg F
Spontaneous Potential
millivolts
− 20 +
Shallow FE
ohm metres
0.20
2000
1
10
100
1000
Array Ind. One Res 40
ohm metres
0.20
2000
1
10
100
1000
Array Ind. One Res 60
ohm metres
0.20
2000



Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 29-JUN-2013 06:08
Filename: C:\Minimus 13.05.9583\Log\M&M Exploration Z-Bar 35-6\M&M Z-Bar #35-6_001.dta — Recorded on 29-JUN-2013 03:11
System Versions: Logged with 13.05.9583 Plotted with 13.05.9583

REPEAT SECTION

BEFORE SURVEY CALIBRATION

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General Constants All 000

Last Edited on 29-JUN-2013,01:19

General Parameters		
Mud Resistivity	0.870	ohm-metres
Mud Resistivity Temperature	99.000	degrees F
Water Level	0.000	feet
Borehole Fluid 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	Density Caliper	
Rwa Parameters		
Porosity used	Crossplot Porosity	
Resistivity used	Array Ind. Six Res Rt	
RWA Constant A	1.000	
RWA Constant M	2.000	
SW/APOR Tool Source	0.000	

Down-hole Tension Calibration SMS 0

Field Calibration on 29-JUN-2013 02:28

Reading No	Measured	Calibrated (lbs)
1	14017.35	0.00
2	15249.80	399.00

Gamma Calibration MCG-D.K 469

Field Calibration on 28-JUN-2013 10:15

	Measured	Calibrated (API)
Background	78	54
Calibrator (Gross)	1127	779
Calibrator (Net)	1049	725

Gamma Constants MCG-D.K 469

Last Edited on 29-JUN-2013,01:11

Gamma Calibrator Number	GRC38	
Mud Density	1.08	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl		kppm
K Mud Type	Chloride	
K Mud Concentration	0.00	%

High Resolution Temperature Calibration MCG-D.K 469

Field Calibration on 28-JUN-2013,10:23

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

High Resolution Temperature Constants MCG-D.K 469

Last Edited on 28-JUN-2013,10:23

Pre-filter Length	11

SP Calibration MCG-D.K 469

Field Calibration on 28-JUN-2013,10:23

	Measured	Calibrated (mV)
Reference 1	105.8	100.0
Reference 2	-94.3	-100.0

Caliper Calibration MML-A 3

Base Calibration on 05-JUN-2013 15:43
Field Calibration on 28-JUN-2013 10:06

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	14624	5.98
2	17958	7.97
3	21263	9.86
4	25213	11.92
5	0	0.00
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
6.06	5.98

Micro Normal and Micro Inverse Calibration MML-A 3

Base Calibration on 05-JUN-2013 15:36
Field Check on 28-JUN-2013 10:04

Base Calibration

	Measured		Calibrated (ohm-m)	
Channel	Resistor 1	Resistor 2	Resistor 1	Resistor 2
Micro Normal	12.2	60.2	5.0	25.0
Micro Inverse	15.7	78.3	5.0	25.0

Channel	Base Check (ohm-m)	Field Check (ohm-m)
Micro Normal	63.0	63.0
Micro Inverse	48.2	48.2

Micro Normal and Micro Inverse Constants MML-A 3

Last Edited on 28-JUN-2013,10:03

Pad Type	8-12 in Soft Rubber Inflatable 006-9011-159	
Micro Normal K Factor	1.0000	
Micro Inverse K Factor	1.0000	
Standoff Offset	N/A	inches

Neutron Calibration MDN-A.B 66

Base Calibration on 22-MAY-2013 15:00
Field Check on 28-JUN-2013 10:19

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3145	98	3714	110
Ratio	32.215		33.764	

Field Calibrator at Base

	Calibrated (cps)	
	1654	2365
Ratio	0.699	

Field Check

	Calibrated (cps)	
	1643	2364
Ratio	0.698	

Neutron Constants MDN-A.B 66

Last Edited on 28-JUN-2013,10:15

Neutron Source Id	P0204NN	
Neutron Jig Number	5824NE	
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	4.26	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	None	
Formation Pressure	N/A	kpsi
Temperature Source	Constant Value	
Temperature	68.00	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	

FE Calibration MFE-B.J 353

Base Calibration on 22-MAY-2013 08:22
Field Check on 28-JUN-2013 09:55

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	964.9	126.8
Base Check		280.9
Field Check		280.7

FE Constants MFE-B.J 353

Last Edited on 29-JUN-2013,01:11

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-A.A 167

Base Calibration on 19-APR-2013,13:41
Field Check on 28-JUN-2013 10:23

Base Calibration

Test Loop Calibration	Measured		Calibrated (mmho/m)	
Channel	Low	High	Low	High
1	17.3	474.2	9.3	966.2
2	6.3	388.4	7.6	821.4
3	3.3	259.4	5.2	566.0
4	1.9	133.0	2.6	279.2

Array Temperature 76.8 Deg F

Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1			13.6	3838.5
2			29.7	3475.0
3			29.2	3051.2
4			19.8	2080.6
Deep			18.7	2048.0
Medium			42.2	3988.4
Shallow			43.1	5051.1

Array Temperature 83.0 Deg F

Induction Constants MAI-A.A 167

Last Edited on 29-JUN-2013,01:10

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	8.0000	
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-A.A 167

Field Calibration on 28-JUN-2013,10:23

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

High Resolution Temperature Constants MAI-A.A 167

Last Edited on 28-JUN-2013,10:23

Pre-filter Length	11

Caliper Calibration MPD-B 64

Base Calibration on 21-MAY-2013 17:34
Field Calibration on 28-JUN-2013 10:03

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	14464	3.99
2	23406	5.98
3	32206	7.97
4	40368	9.86
5	50018	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
6.02	5.98

Photo Density Calibration MPD-B 64

Base Calibration on 21-MAY-2013 17:55
Field Check on 28-JUN-2013 10:00

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	60105	33685	59556	30836
Reference 2	25286	2917	24941	2541

Field Check at Base

1165.8	1353.6

Field Check

1166.1	1349.7

PE Calibration

Base Calibration	Measured			Calibrated
	WS	WH	Ratio	Ratio
Background	210	1037		
Reference 1	22619	59903	0.381	0.371
Reference 2	6846	25146	0.275	0.272

Field Check at Base

210.2	1037.2

Field Check

209.6	1037.1

Density Constants MPD-B 64

Last Edited on 29-JUN-2013,01:11

Density Source Id	18235B	
Nylon Calibrator Number	DNCE695	
Aluminium Calibrator Number	DACD698	
Density Shoe Profile	8 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.08	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 (m)
2.71	
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 13.05.9583\Log\M&M Exploration Z-Bar 35-6\M&M Z-Bar #35-6_002.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

Compact Comms Gamma
MCG-D.K 469 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Micro-log
MML-A 3 LG: 7.97 ft WT: 81.6 lb OD: 2.24 in

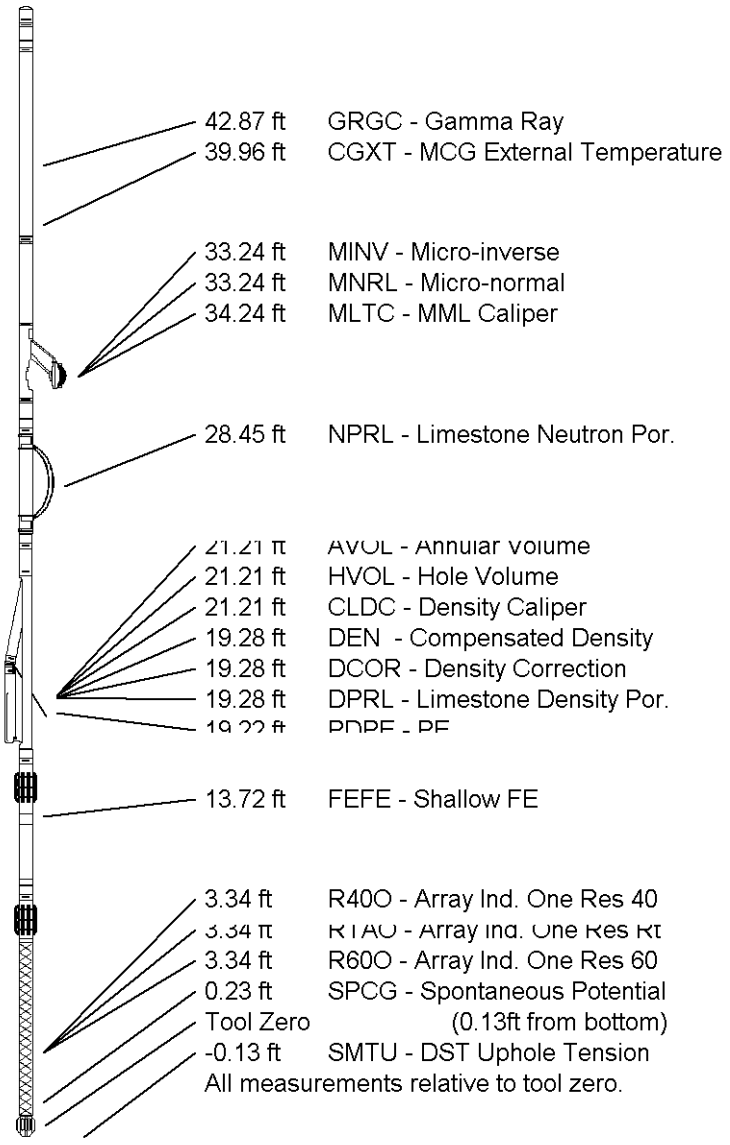
Compact Neutron
MDN-A.B 66 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

Compact Density/Caliper
MPD-B 64 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

Compact Focussed Electric
MFE-B.J 353 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Induction
MAI-A.A 167 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 49.73 ft Weight: 399.0 lb



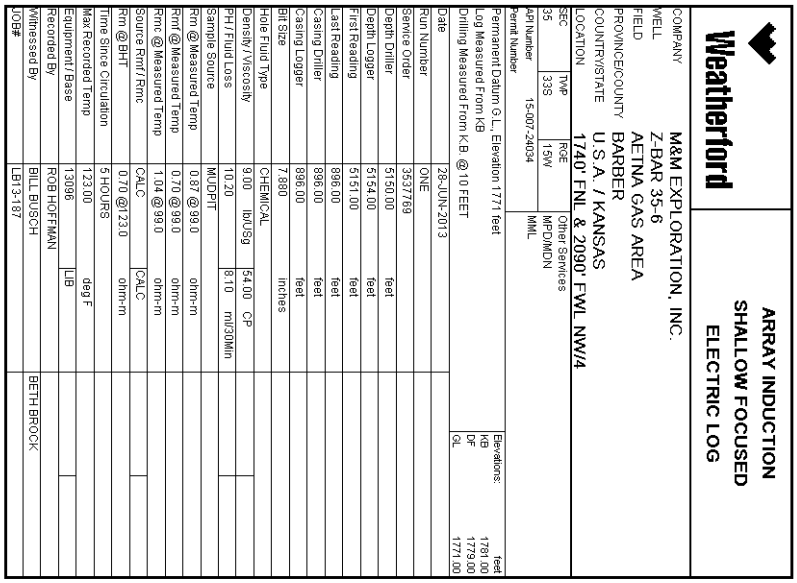
COMPANY	M&M EXPLORATION, INC.

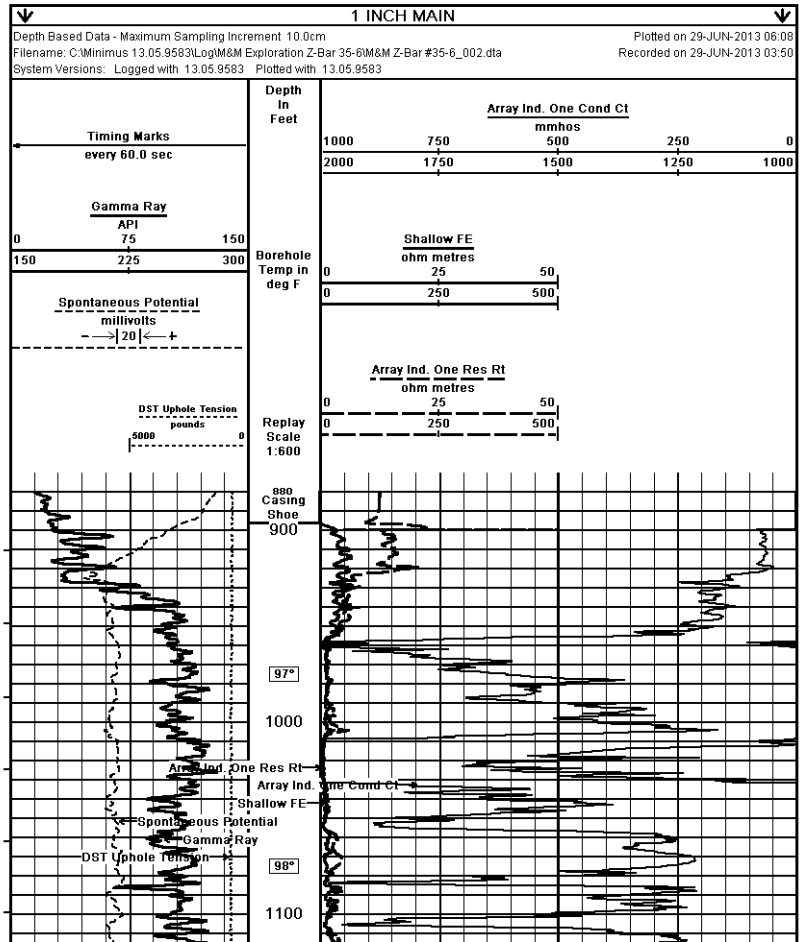
COMPANY	M&M EXPLORATION, INC.
WELL	Z-BAR 35-6
FIELD	AETNA GAS AREA
PROVINCE/COUNTY	BARBER
COUNTRY/STATE	U.S.A. / KANSAS

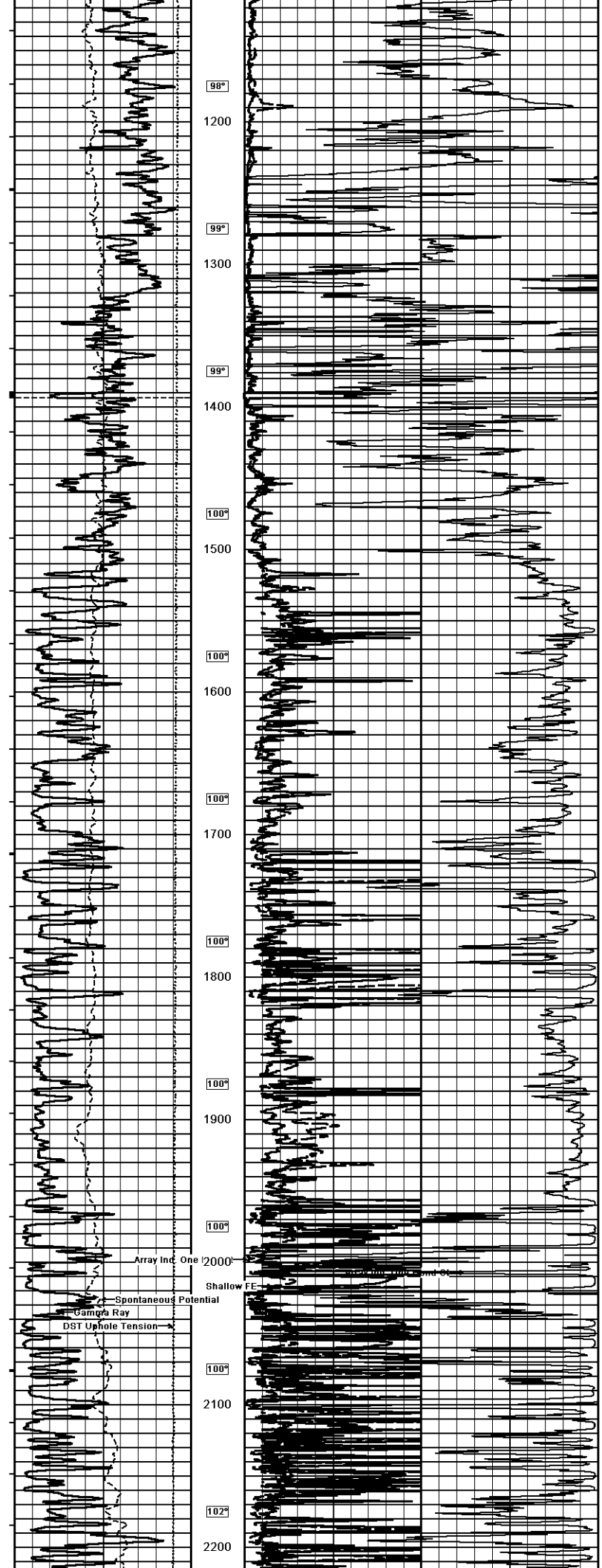
Elevation Kelly Bushing	1781.00	feet	First Reading	5151.00	feet
Elevation Drill Floor	1779.00	feet	Depth Driller	5150.00	feet
Elevation Ground Level	1771.00	feet	Depth Logger	5154.00	feet

Weatherford®

ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG






98°
1200
99°
1300
99°
1400
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1500
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1600
100°
1700
100°
1800
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1900
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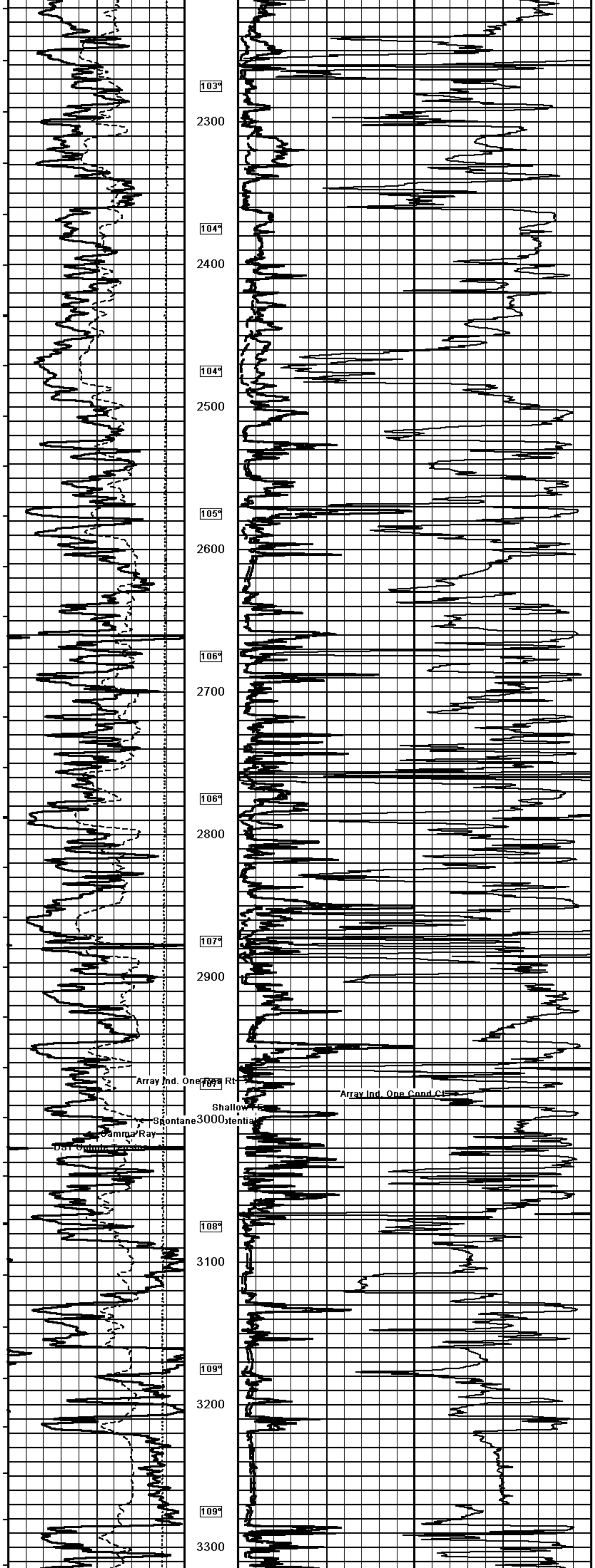
2000
Array Ind. One
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
100°
2100
102°
2200



103°
2300
104°
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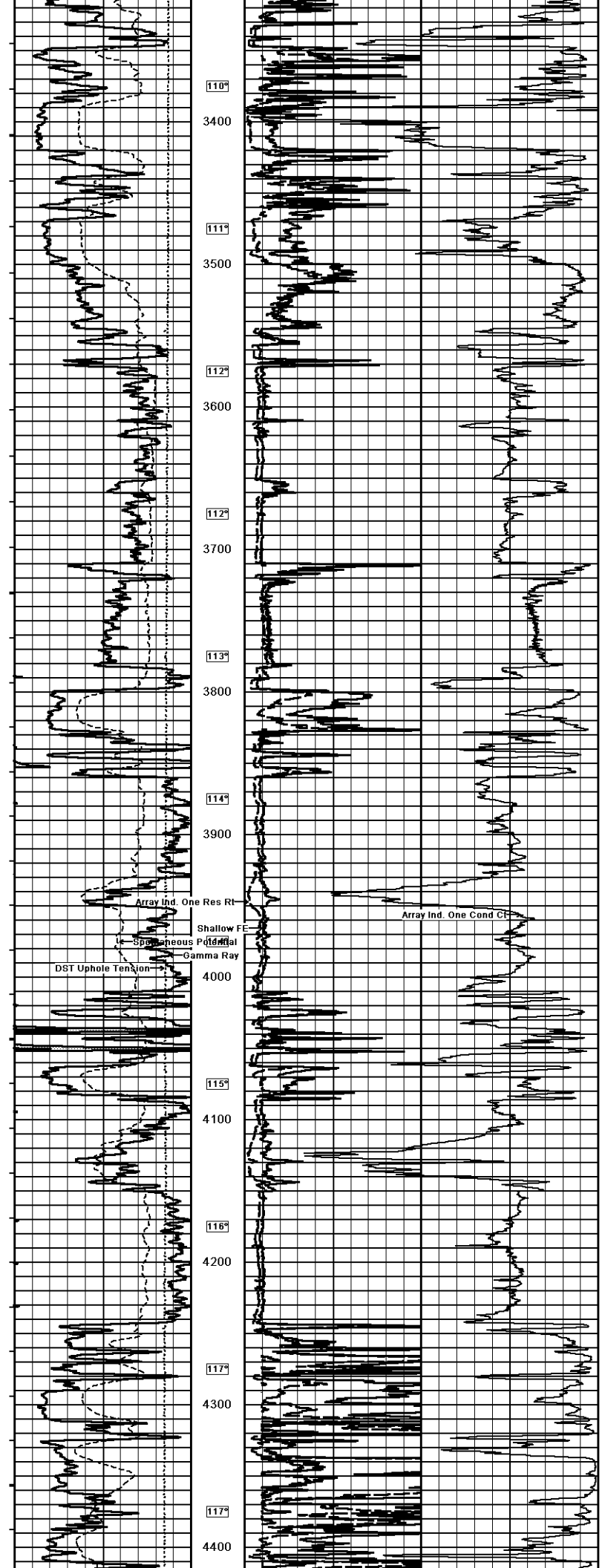
2500
105°
2600
106°
2700
106°
2800
107°
2900
Array Ind. One Res Rt
Array Ind. One Cond Ct
Shallow
3000
Gamma Ray
108°
3100
109°
3200
109°
3300


110"
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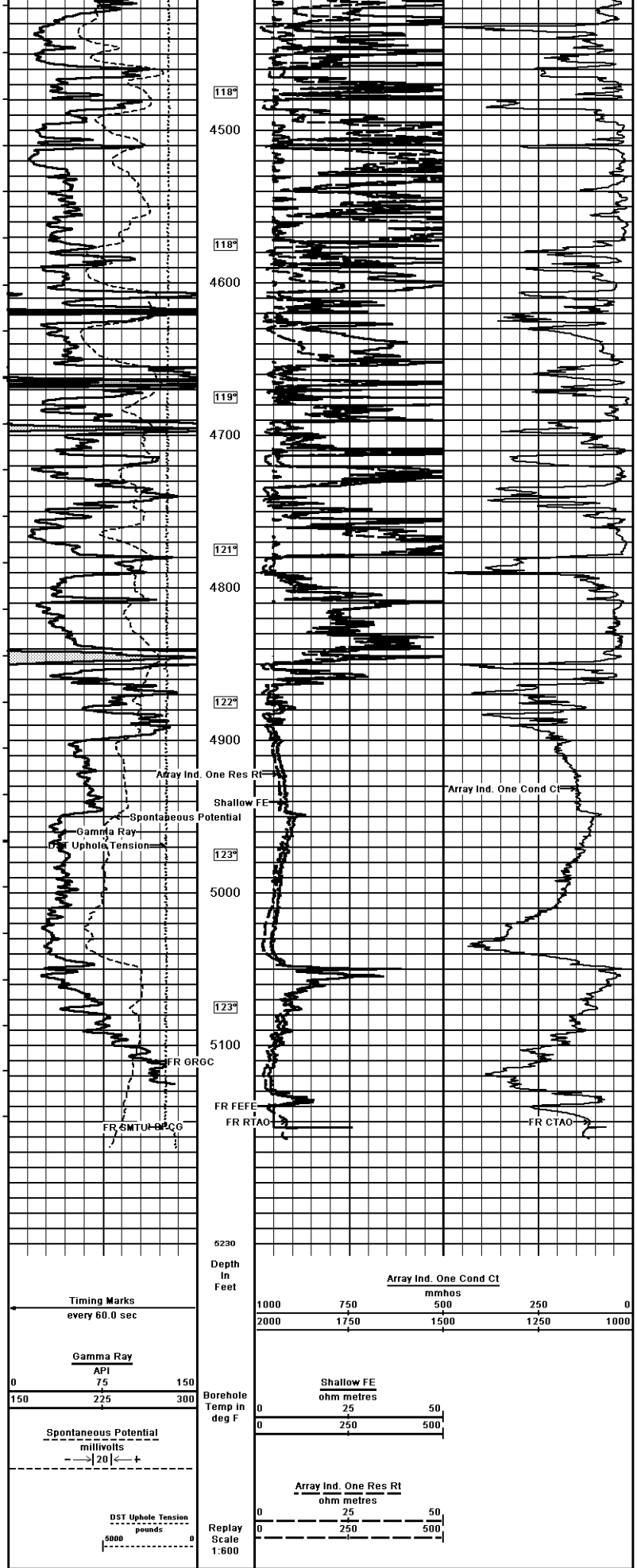
3900
Array Ind. One Res Rt
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
Array Ind. One Cond Ct
4000
115"
4100
116"
4200
117"
4300
117"
4400



Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 29-JUN-2013 06:08
Filename: C:\Minimus 13.05.9583\Log\M&M Exploration Z-Bar 35-6\M&M Z-Bar #35-6_002.dta
Recorded on 29-JUN-2013 03:50
System Versions: Logged with 13.05.9583 Plotted with 13.05.9583

1 INCH MAIN

COMPANY	M&M EXPLORATION, INC.
WELL	Z-BAR 35-6

WELL	Z BAR 30-6
FIELD	AETNA GAS AREA
PROVINCE/COUNTY	BARBER
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	1781.00	feet	First Reading	5151.00	feet
Elevation Drill Floor	1779.00	feet	Depth Driller	5150.00	feet
Elevation Ground Level	1771.00	feet	Depth Logger	5154.00	feet

Weatherford

ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG