KOLAR Document ID: 1834185

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form CP-1
March 2010
This Form must be Typed
Form must be Signed
All blanks must be Filled

WELL PLUGGING APPLICATION

Form KSONA-1, Certification of Compliance with the Kansas Surface Owner Notification Act, MUST be submitted with this form.

OPERATOR: License #: 7311
Name: Shakespeare Oil Co., Inc.
Address 1: 202 W MAIN ST
Address 2:
City: SALEM State: IL Zip: 62881 + 1519
Contact Person: Jeff Scarbrough
Phone: (618) 214-1747

API No. 15 - 15-063-22039-00-01
If pre 1967, supply original completion date:
Spot Description:
SE - SE - SW - NW Sec. 27 Twp. 13 S. R. 31 ☐ East ☑ West
2480 Feet from ☑ North / ☐ South Line of Section
1100 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
County: Gove
Lease Name: PARSONS Well #: 2-27

Check One: ☑ Oil Well ☐ Gas Well ☐ OG ☐ D&A ☐ Cathodic ☐ Water Supply Well ☐ Other:
☐ SWD Permit #: ☐ ENHR Permit #: ☐ Gas Storage Permit #:

Conductor Casing Size: Set at: Cemented with: Sacks
Surface Casing Size: 8.625 Set at: 222 Cemented with: 165 Sacks
Production Casing Size: 5.5 Set at: 4628 Cemented with: 225 Sacks

List *(ALL)* Perforations and Bridge Plug Sets:
Attached

Elevation: 2838 (☑ G.L. / ☐ K.B.) T.D.: 4629 PBTD: 4584 Anhydrite Depth: 2327
(Stone Corral Formation)

Condition of Well: ☑ Good ☐ Poor ☐ Junk in Hole ☐ Casing Leak at: -
(Interval)

Proposed Method of Plugging *(attach a separate page if additional space is needed)*:
Pursuant to Well Inspectors instructions
Anhydrite 2327'-2350'

Is Well Log attached to this application? ☐ Yes ☐ No Is ACO-1 filed? ☑ Yes ☐ No

If ACO-1 not filed, explain why:

Plugging of this Well will be done in accordance with K.S.A. 55-101 et. seq. and the Rules and Regulations of the State Corporation Commission

Company Representative authorized to supervise plugging operations: Charlie Bauer
Address: 202 W Main St City: Salem State: Il Zip: 62881 + 785
Phone: (785) 798-7490
Plugging Contractor License #: 32592 Name: Wild West Well Service, Inc.
Address 1: PO BOX 243 Address 2:
City: NESS CITY State: KS Zip: 67560 + 0243
Phone: (785) 798-4644

Proposed Date of Plugging *(if known)*:

Payment of the Plugging Fee (K.A.R. 82-3-118) will be guaranteed by Operator or Agent

Submitted Electronically

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form KSONA-1
July 2021
Form Must Be Typed
Form must be Signed
All blanks must be Filled

CERTIFICATION OF COMPLIANCE WITH THE KANSAS SURFACE OWNER NOTIFICATION ACT

This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent); T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application). Any such form submitted without an accompanying Form KSONA-1 will be returned.

Select the corresponding form being filed: ☐ **C-1** (Intent) ☐ **CB-1** (Cathodic Protection Borehole Intent) ☐ **T-1** (Transfer) ☒ **CP-1** (Plugging Application)

OPERATOR: License # 7311
Name: Shakespeare Oil Co., Inc.
Address 1: 202 W MAIN ST
Address 2:
City: SALEM State: IL Zip: 62881 + 1519
Contact Person: Jeff Scarbrough
Phone: (618) 214-1747 Fax: (618) 548-1594
Email Address: jeff@shakespeare Oil Company, Inc.

Well Location:
SE - SE - SW - NW Sec. 27 Twp. 13 S. R. 31 ☐ East ☒ West
County: Gove
Lease Name: PARSONS Well #: 2-27

If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:

Surface Owner Information:
Name: Pat Parsons
Address 1: 406 Maple Ave
Address 2:
City: Oakley State: KS Zip: 67748 + _ _ _ _

When filing a Form T-1 involving multiple surface owners, attach an additional sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the county, and in the real estate property tax records of the county treasurer.

If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.

Select one of the following:

☒ I certify that, pursuant to the Kansas Surface Owner Notice Act (*see* Chapter 55 of the Kansas Statutes Annotated), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.

☐ I have not provided this information to the surface owner(s). I acknowledge that, because I have not provided this information, the KCC will be required to send this information to the surface owner(s). To mitigate the additional cost of the KCC performing this task, I acknowledge that I must provide the name and address of the surface owner by filling out the top section of this form and that I am being charged a $30.00 handling fee, payable to the KCC, which is enclosed with this form.

If choosing the second option, submit payment of the $30.00 handling fee with this form. If the fee is not received with this form, the KSONA-1 form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.

Submitted Electronically

Form	CP1 - Well Plugging Application
Operator	Shakespeare Oil Co., Inc.
Well Name	PARSONS 2-27
Doc ID	1834185

Perforations And Bridge Plug Sets

Perforation Top	Perforation Base	Formation	Bridge Plug Depth
3991	3995	LKC-D	
4004	4006	LKC-E/F	
4068	4072	LKC-H	
4101	4108	LKC-I	
4127	4130	LKC-J	
4153	4155	LKC-K	
4384	4390	Myrick Station	
4418	4422	Ft Scott	
4493	4497	Johnson	
4502	4505	Cherokee Sd	

Weatherford®

ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG

COMPANY	SHAKESPEARE OIL CO., INC.
WELL	PARSONS #2-27
FIELD	WILDCAT
PROVINCE/COUNTY	GOVE
COUNTRY/STATE	U.S.A. / KANSAS
LOCATION	2480' FNL & 1100' FWL

SEC	TWP	RGE	Other Services
27	13S	31W	MPD/MDN MML
			MSS

API Number 15-063-22039
Permit Number

Permanent Datum GL, Elevation 2838 feet
Log Measured From KB
Drilling Measured From KB

Elevations:	feet
KB	2848.00
DF	2846.00
GL	2838.00

Date	28-SEP-2012			
Run Number	ONE			
Depth Driller	4630.00	feet		
Depth Logger	4629.00	feet		
First Reading	4626.00	feet		
Last Reading	222.00	feet		
Casing Driller	225.00	feet		
Casing Logger	222.00	feet		
Bit Size	7.875	inches		
Hole Fluid Type	CHEMICAL			
Density / Viscosity	9.40 lb/USg	49.00 CP		
PH / Fluid Loss	10.50	6.40 ml/30Min		
Sample Source	FLOWLINE			
Rm @ Measured Temp	0.74 @ 89.0	ohm-m		
Rmf @ Measured Temp	0.59 @ 89.0	ohm-m		
Rmc @ Measured Temp	0.89 @ 89.0	ohm-m		
Source Rmf / Rmc	CALC	CALC		
Rm @ BHT	0.56 @119.0	ohm-m		
Time Since Circulation	4 HOURS			
Max Recorded Temp	119.00	deg F		
Equipment Name	COMPACT			
Equipment / Base	13057	LIB		
Recorded By	ADAM SILL			
Witnessed By	TIM PRIEST			
S.O. # / JOB #	3538930		LB12-262	

BOREHOLE RECORD

Last Edited: 28-SEP-2012 19:20

Bit Size inches	Depth From feet	Depth To feet
7.875	225.00	4630.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	225.00	24.00

REMARKS

- SOFTWARE ISSUE: WLS 13.02.6600.
- MCG, MML, MDN, MPD, MFE, MSS, MAI RAN IN COMBINATION.
  - HARDWARE: DUAL BOWSPRING USED ON MDN.
  0.5 INCH STANDOFF USED ON MFE.
  TWO 0.5 INCH STANDOFFS USED ON MSS.
  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: 1968 CU. FT.
- ANNULAR HOLE VOLUME WITH 5.5 INCH PRODUCTION CASING FROM TD TO 3629 FEET: 237 CU. FT.

- SERVICE ORDER # 3538930.

- RIG: H-D DRILLING #2.

- ENGINEER: A. SILL.

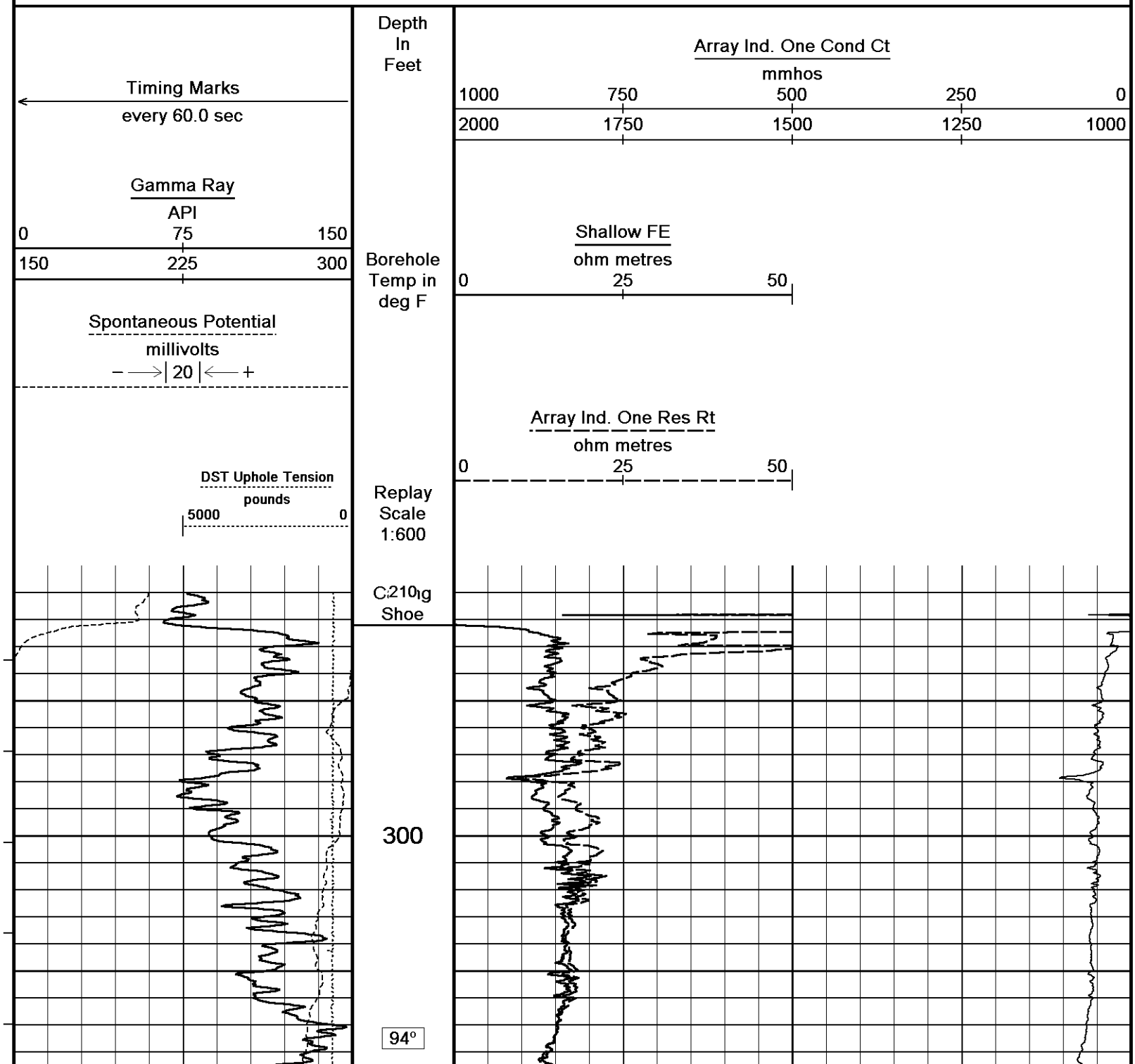
- OPERATOR(S): M. STEGMAN.

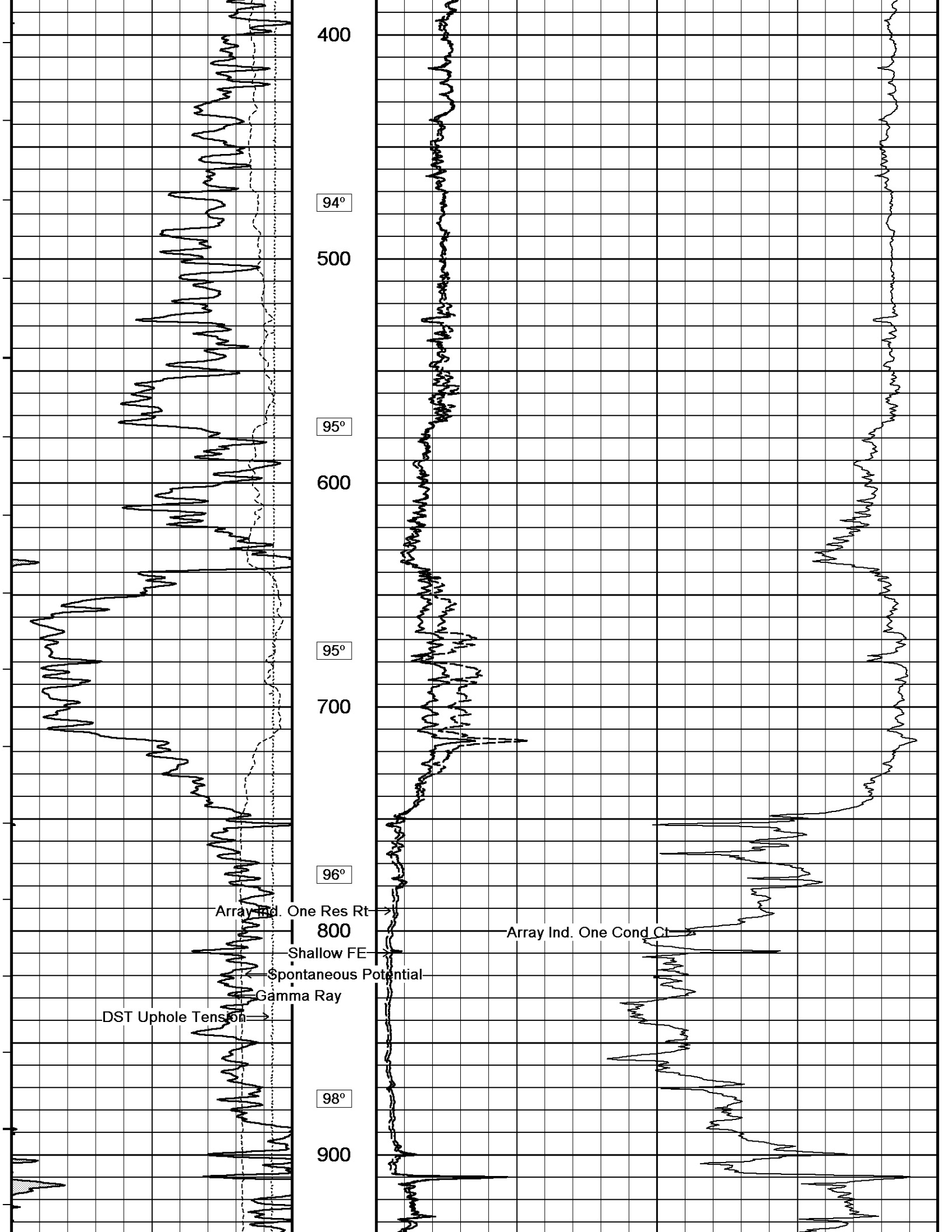
2 INCH MAIN

Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 28-SEP-2012 22:33

Filename: C:\Minimus 13.02.6600\Data\Shakespeare Parsons #...\Shakespeare Parsons #2-27_002.dta — Recorded on 28-SEP-2012 20:00

System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

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500
95°
600
95°
700
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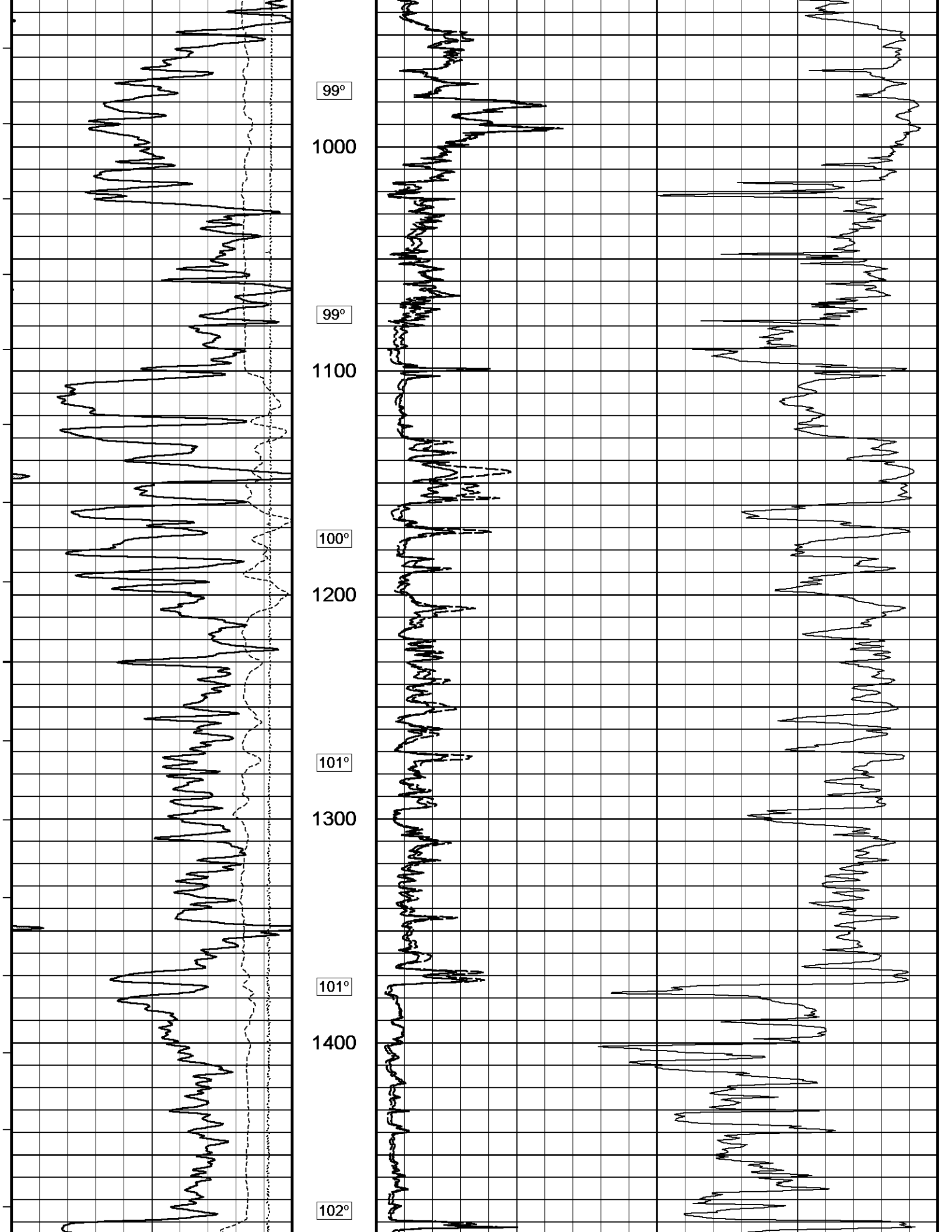
800
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
Array Ind. One Cond Ct
98°
900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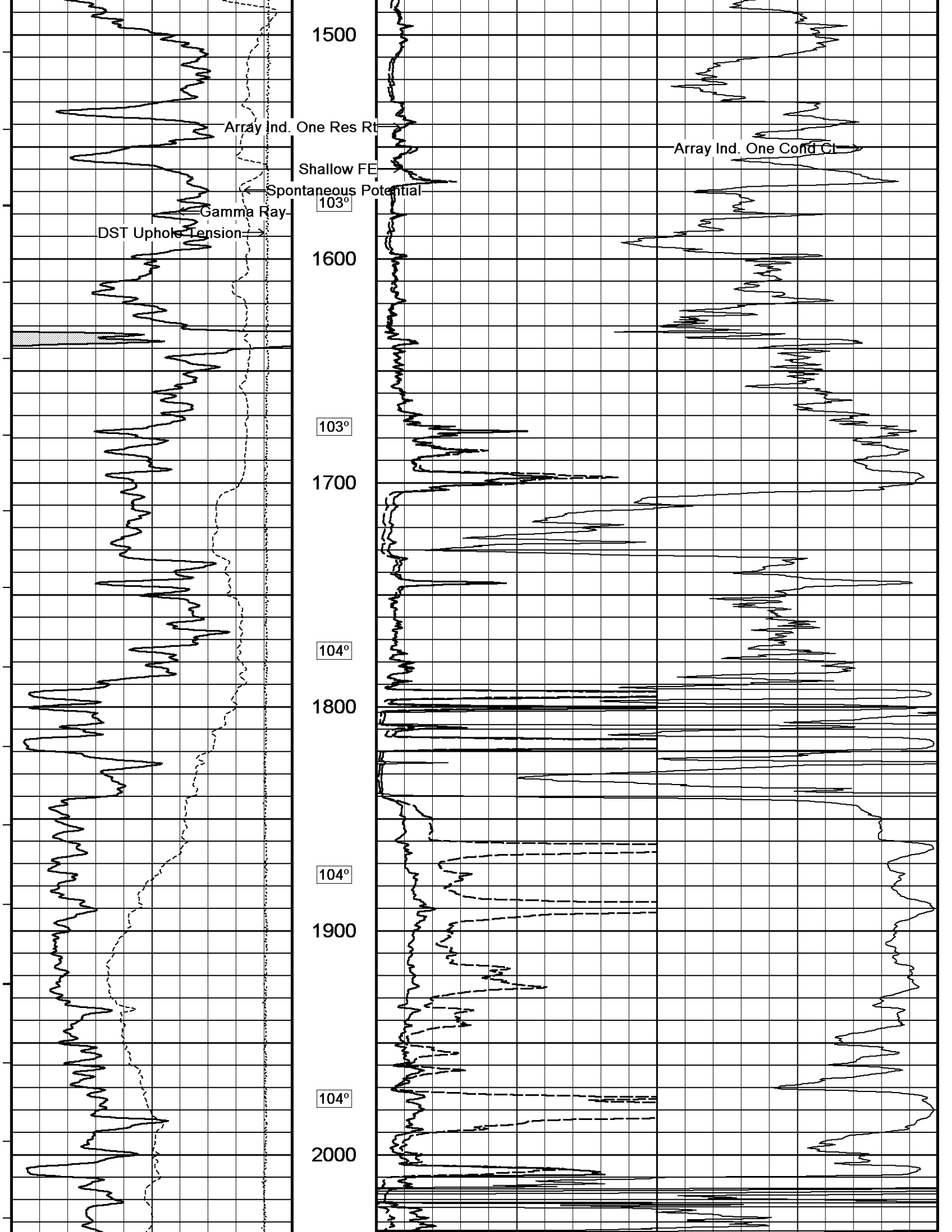
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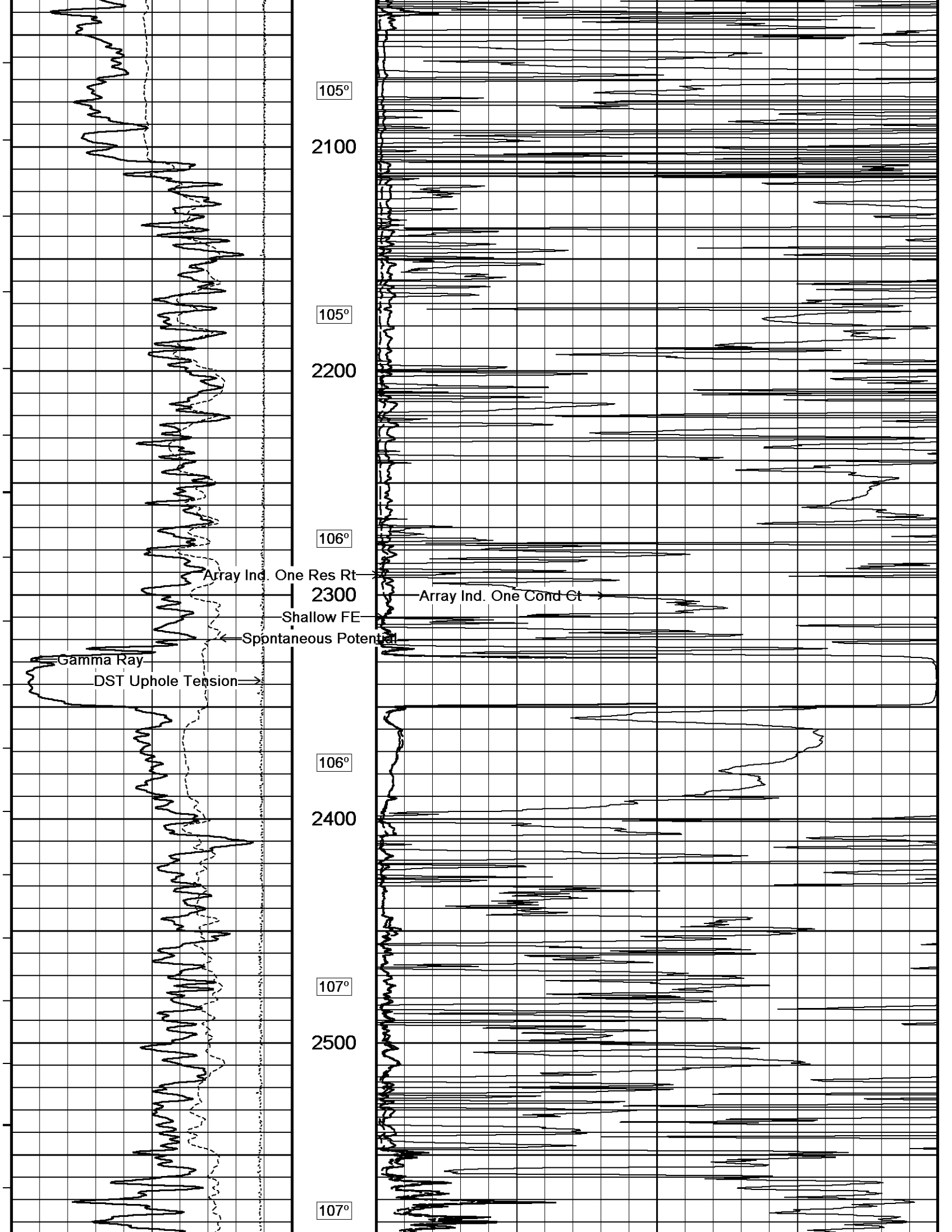
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Spontaneous Potential
Gamma Ray
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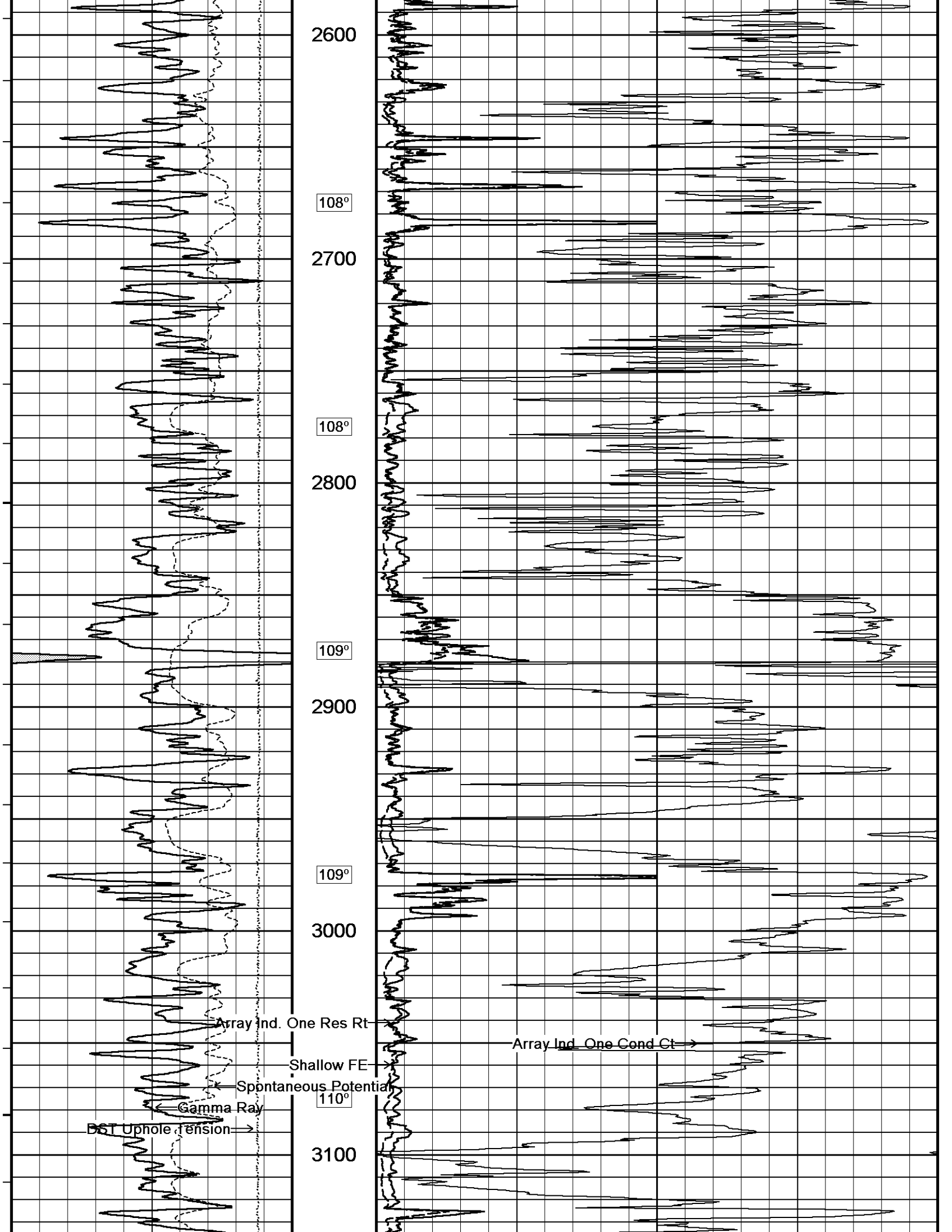
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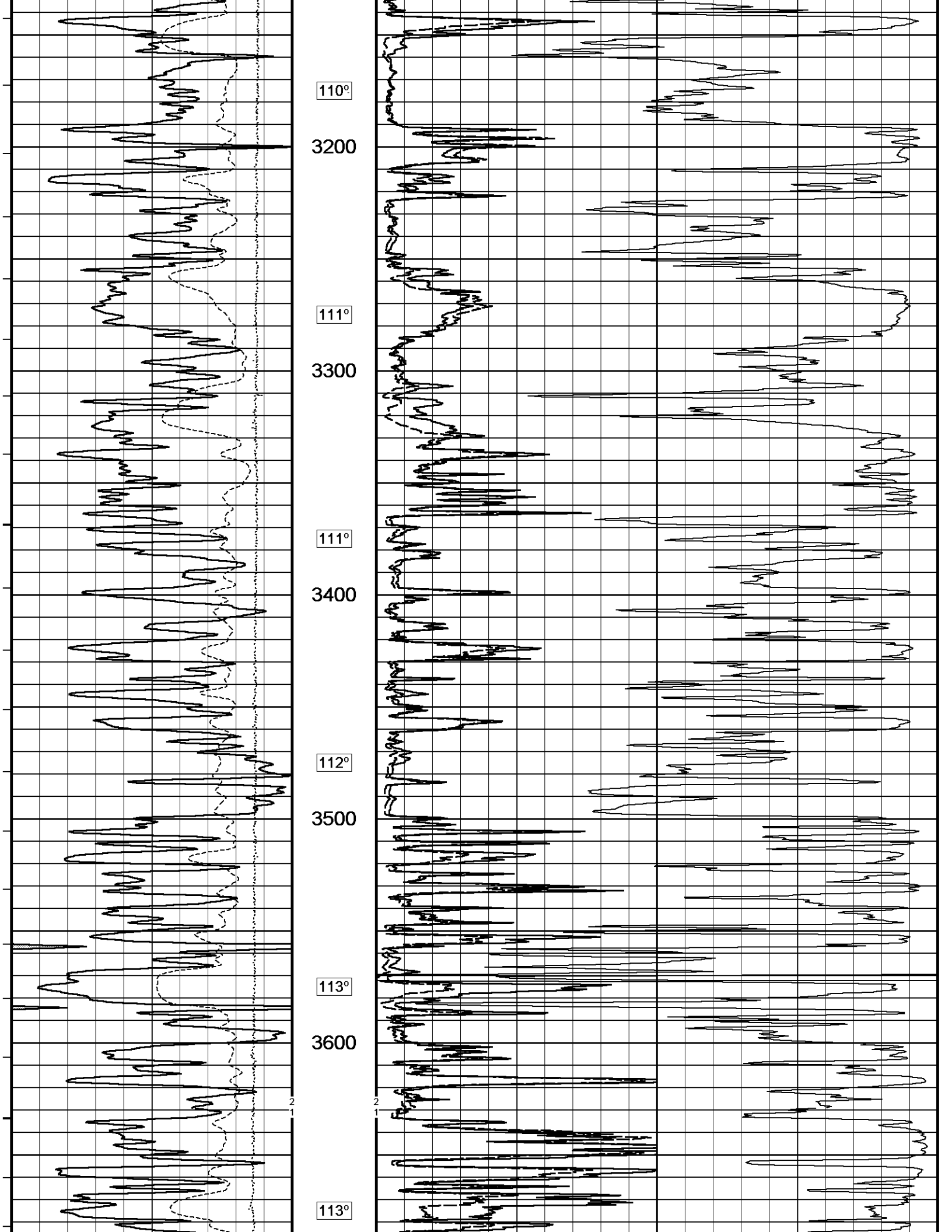
Spontaneous Potential
Gamma Ray
DST Uphole Tension
Array Ind. One Cond Ct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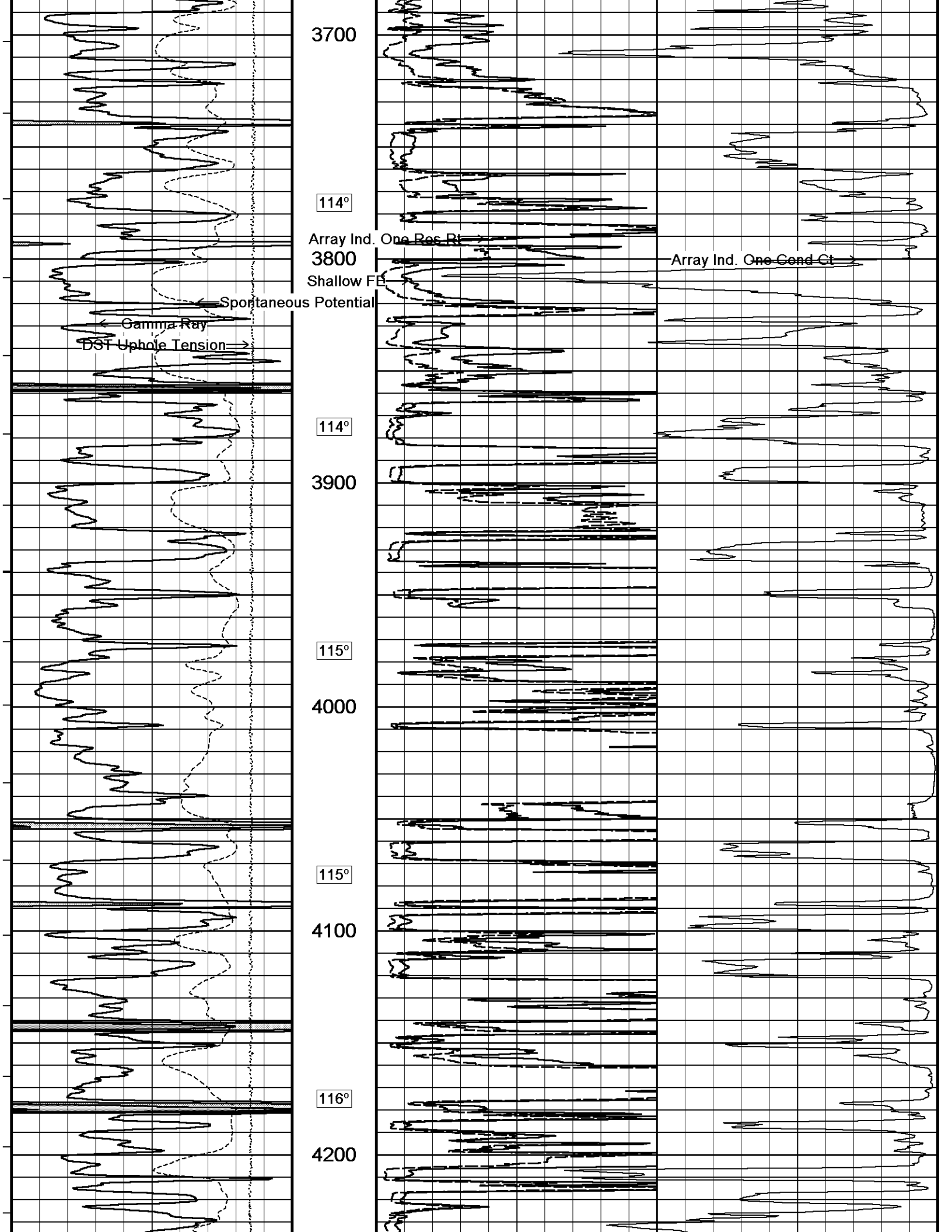
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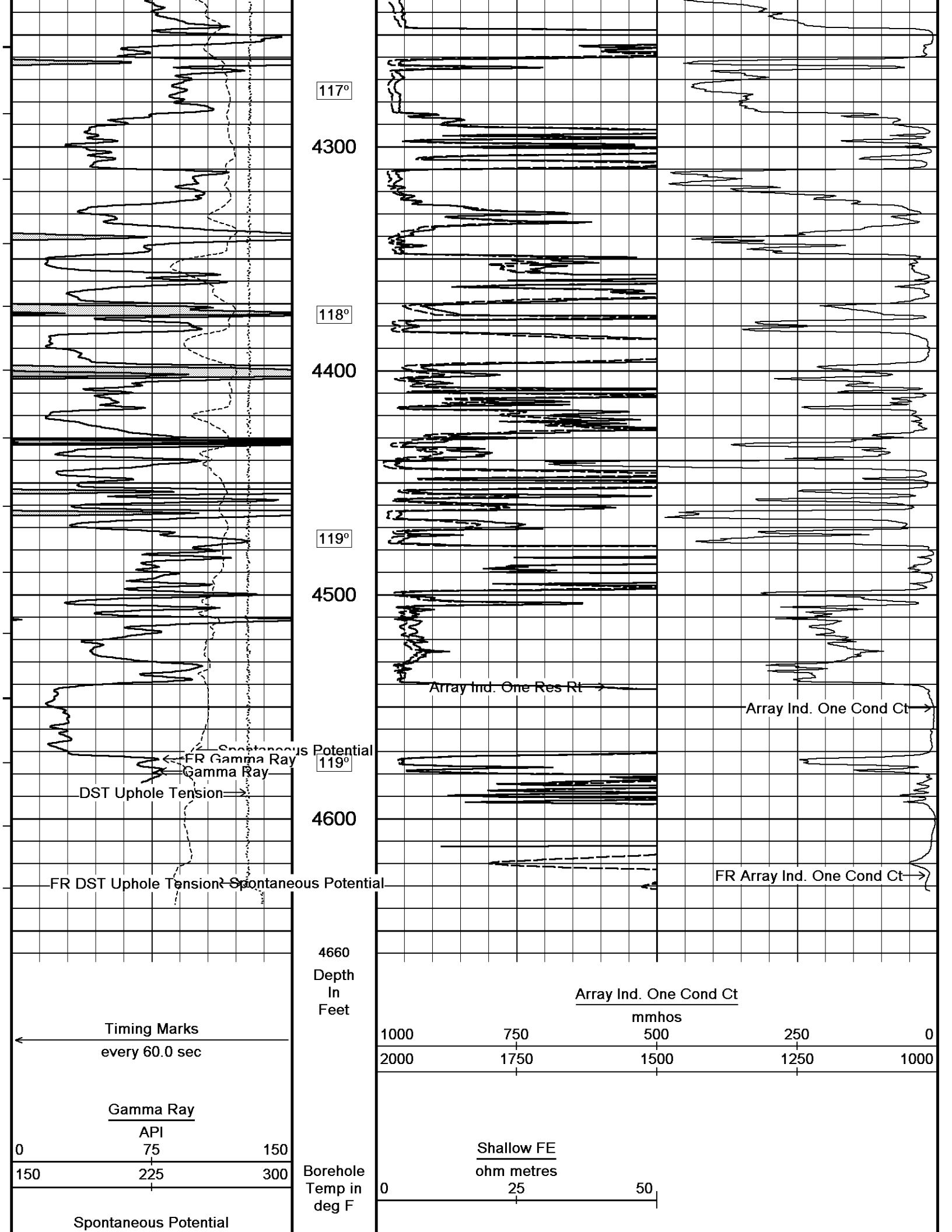
116°
4200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FR Gamma Ray
Gamma Ray
DST Uphole Tension
FR DST Uphole Tension
Spontaneous Potential
FR Array Ind. One Cond Ct
4660
Depth
In
Feet
Timing Marks
every 60.0 sec
Array Ind. One Cond Ct
mmhos
1000 750 500 250 0
2000 1750 1500 1250 1000
Gamma Ray
API
0 75 150
150 225 300
Shallow FE
ohm metres
0 25 50
Borehole
Temp in
deg F
Spontaneous Potential

millivolts
− ⟶| 20 |⟵ +

DST Uphole Tension
pounds
5000 0

Replay
Scale
1:600

Array Ind. One Res Rt
ohm metres
0 25 50

Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 28-SEP-2012 22:33
Filename: C:\Minimus 13.02.6600\Data\Shakespeare Parsons #...\Shakespeare Parsons #2-27_002.dta
Recorded on 28-SEP-2012 20:00
System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

2 INCH MAIN

5 INCH MAIN

Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 28-SEP-2012 22:33
Filename: C:\Minimus 13.02.6600\Data\Shakespeare Parsons #...\Shakespeare Parsons #2-27_002.dta
Recorded on 28-SEP-2012 20:00
System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

Timing Marks
every 60.0 sec

Gamma Ray
API
0 75 150
150 225 300

Spontaneous Potential
millivolts
− ⟶| 20 |⟵ +

Density Caliper
inches
6 11 16

DST Uphole Tension
pounds
5000 0

Depth
In
Feet

Borehole
Temp in
deg F

HVI
every
10 cu ft

Annular
Integral
every
10 cu ft

Replay
Scale
1:240

208

Casing
Shoe

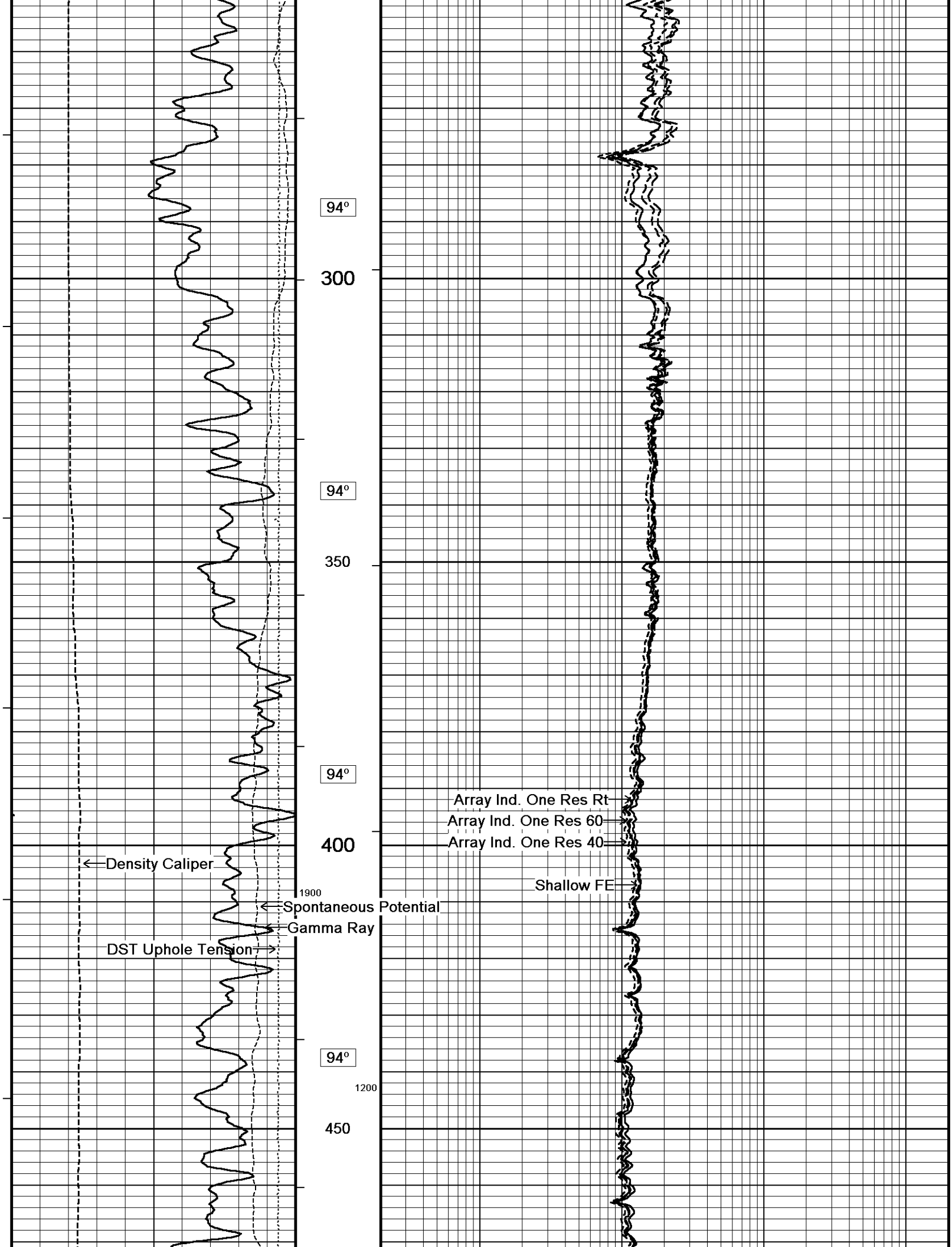
250

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
1 10 100 1000

Array Ind. One Res Rt
ohm metres
0.20 2000
1 10 100 1000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94°
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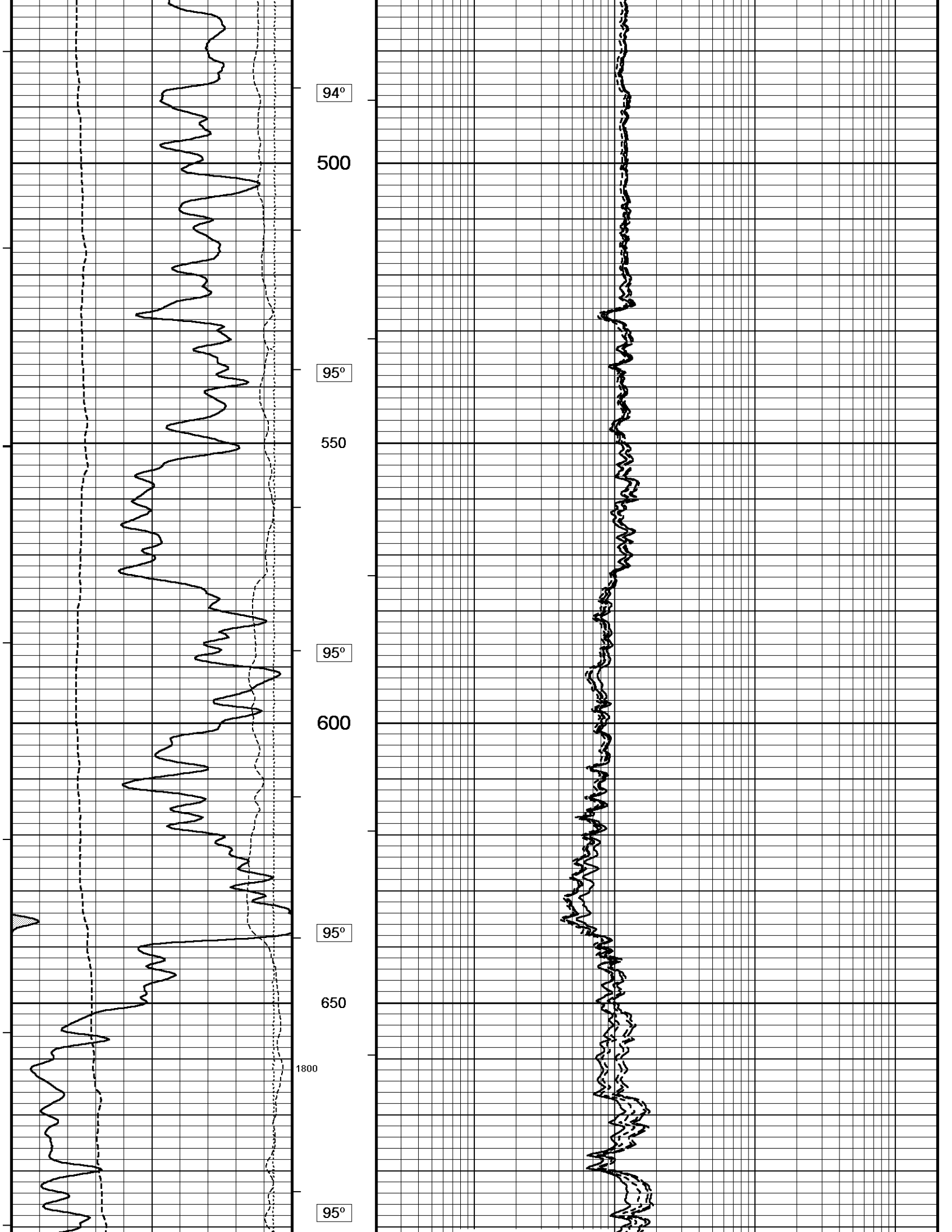
Density Caliper
1900
Spontaneous Potential
Gamma Ray
DST Uphole Tension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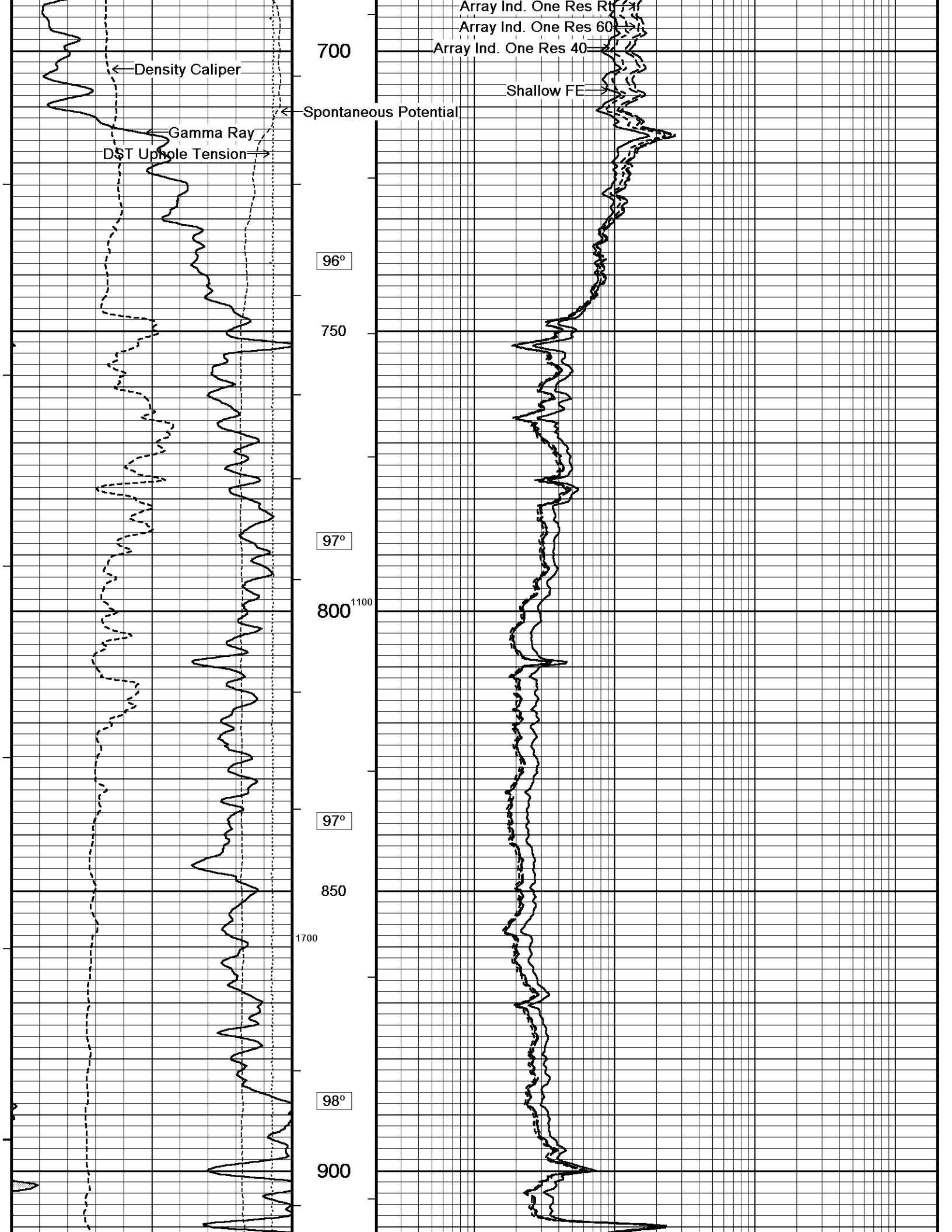
95°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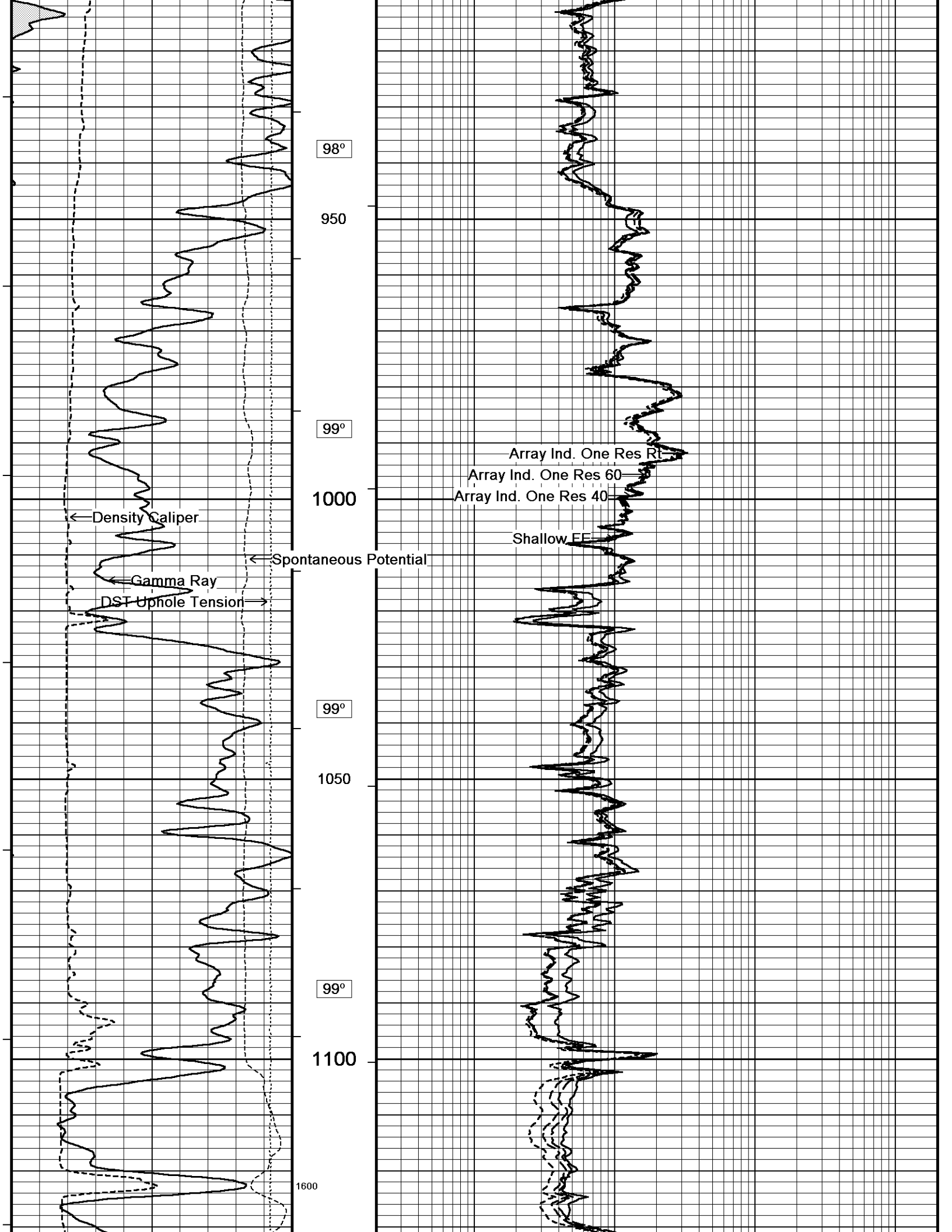
1700
98°
900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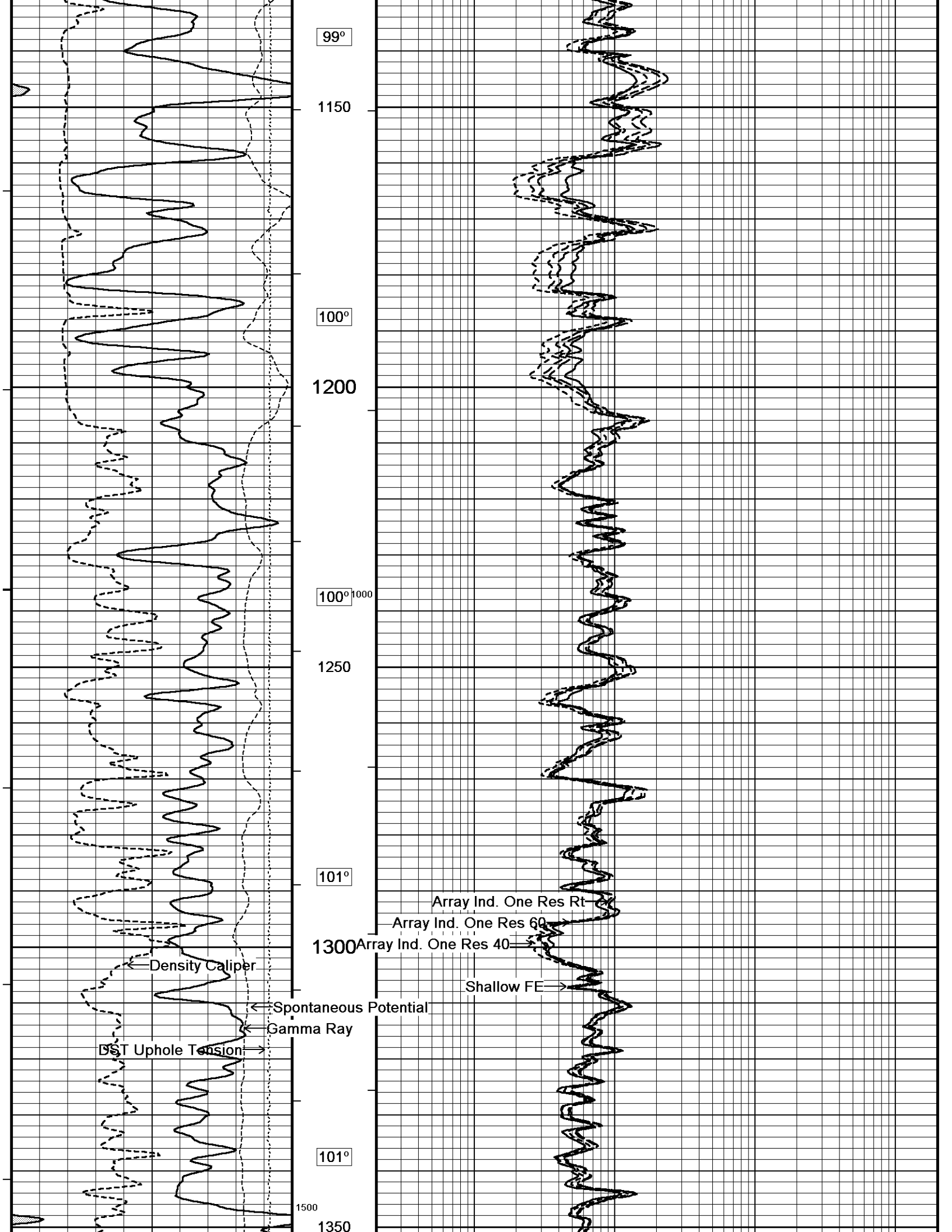
1050
99°
1100
1600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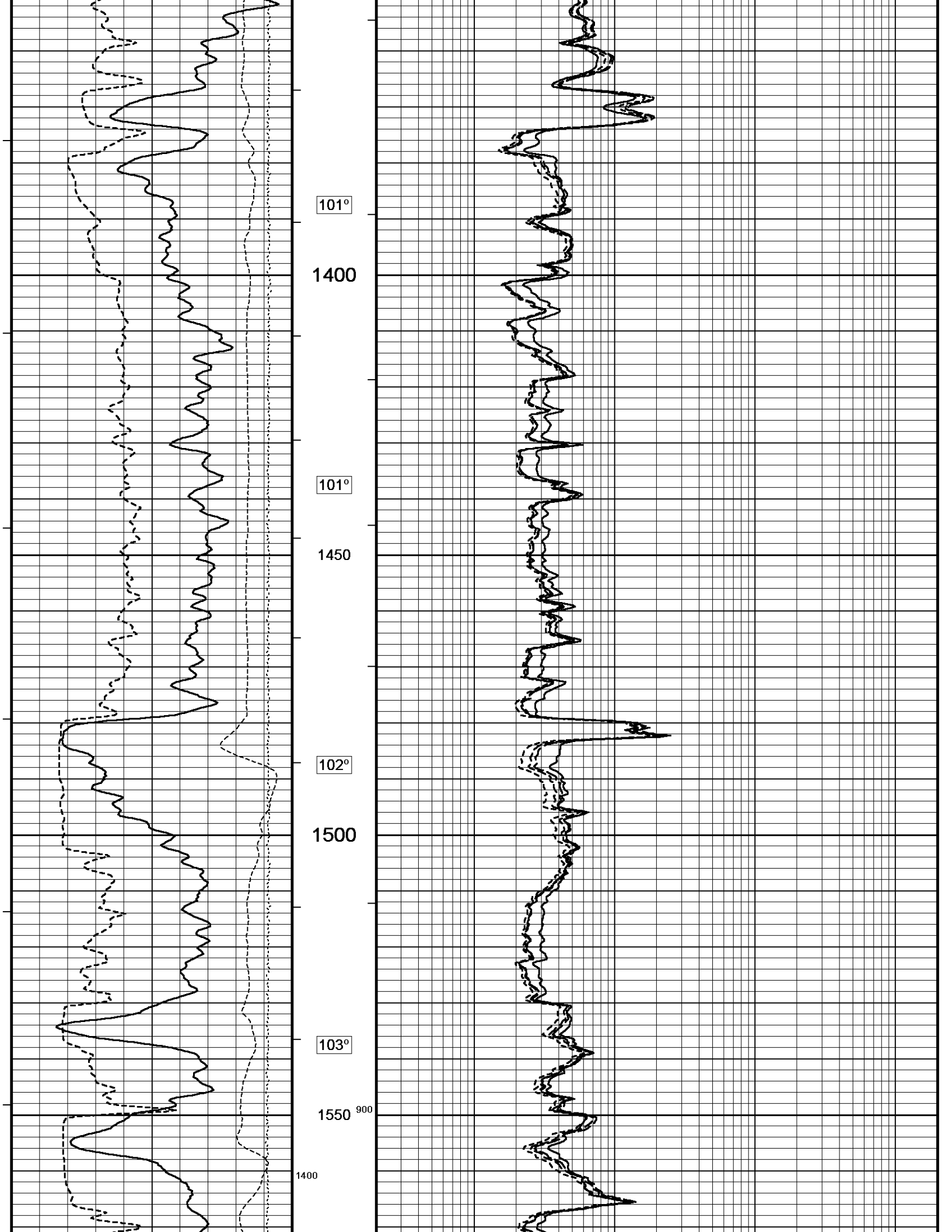
Shallow FE
Density Caliper
Spontaneous Potential
Gamma Ray
DST Uphole Tension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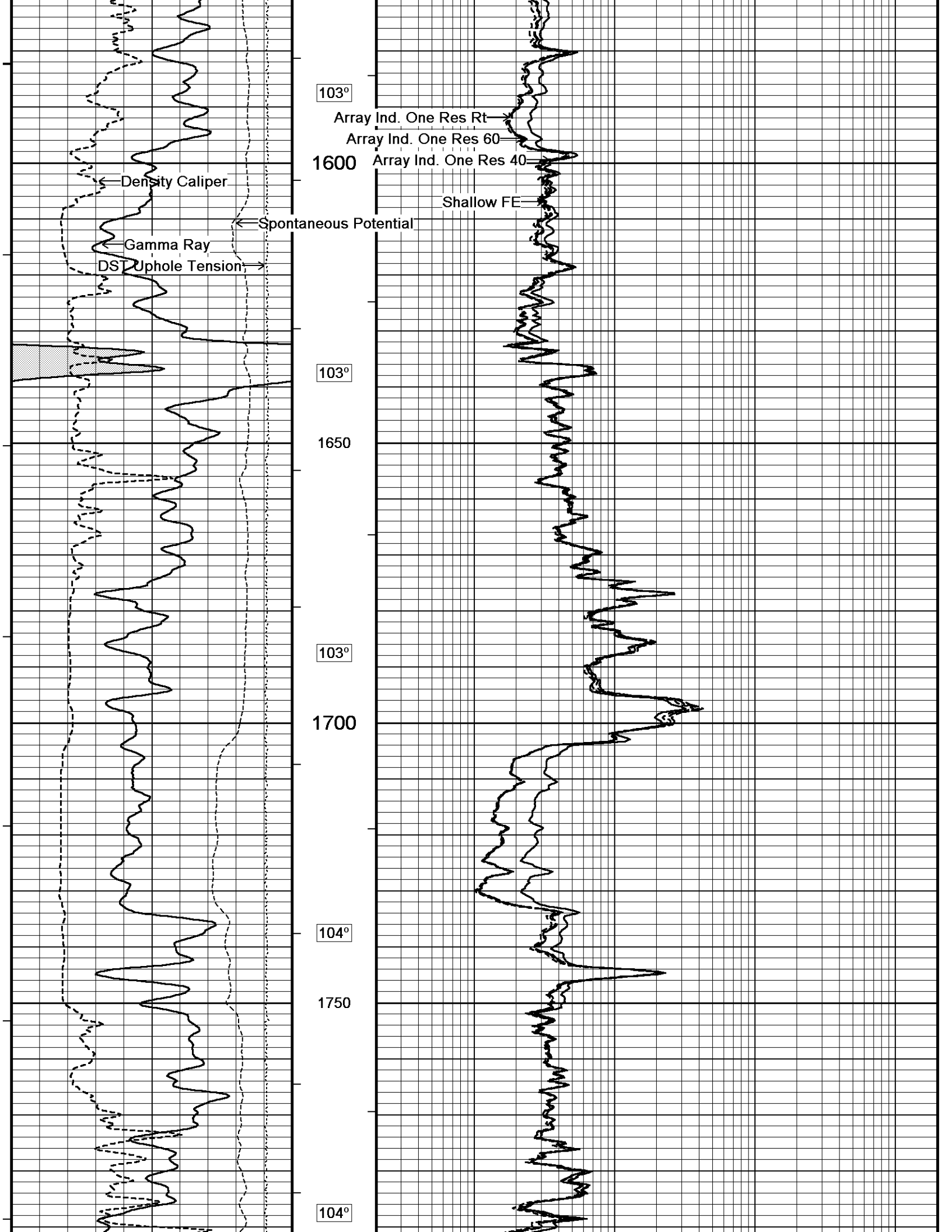
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Density Caliper
Spontaneous Potential
Gamma Ray
DST Uphole Tension
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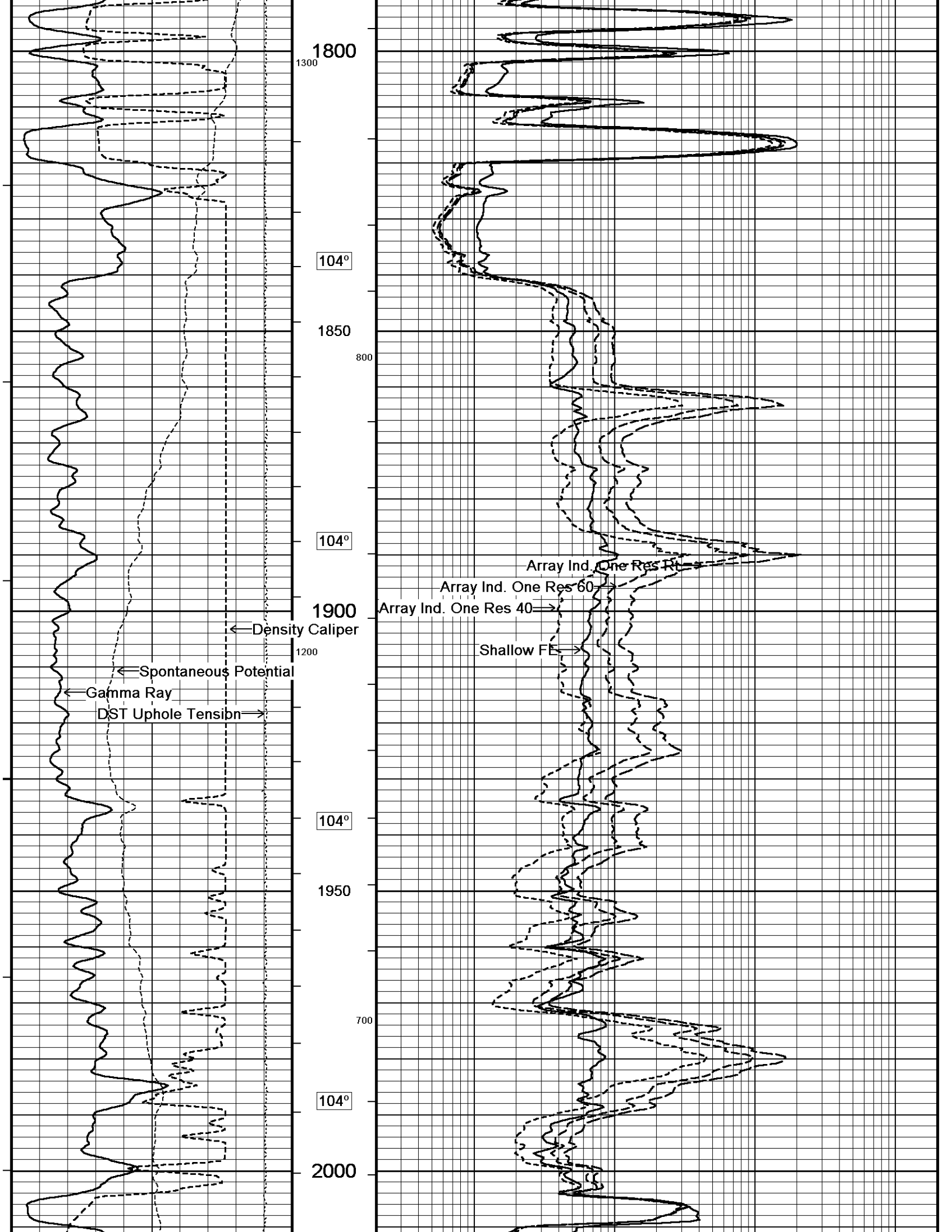
1650
103°
1700
104°
1750
104°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Spontaneous Potential
Gamma Ray
DST Uphole Tension
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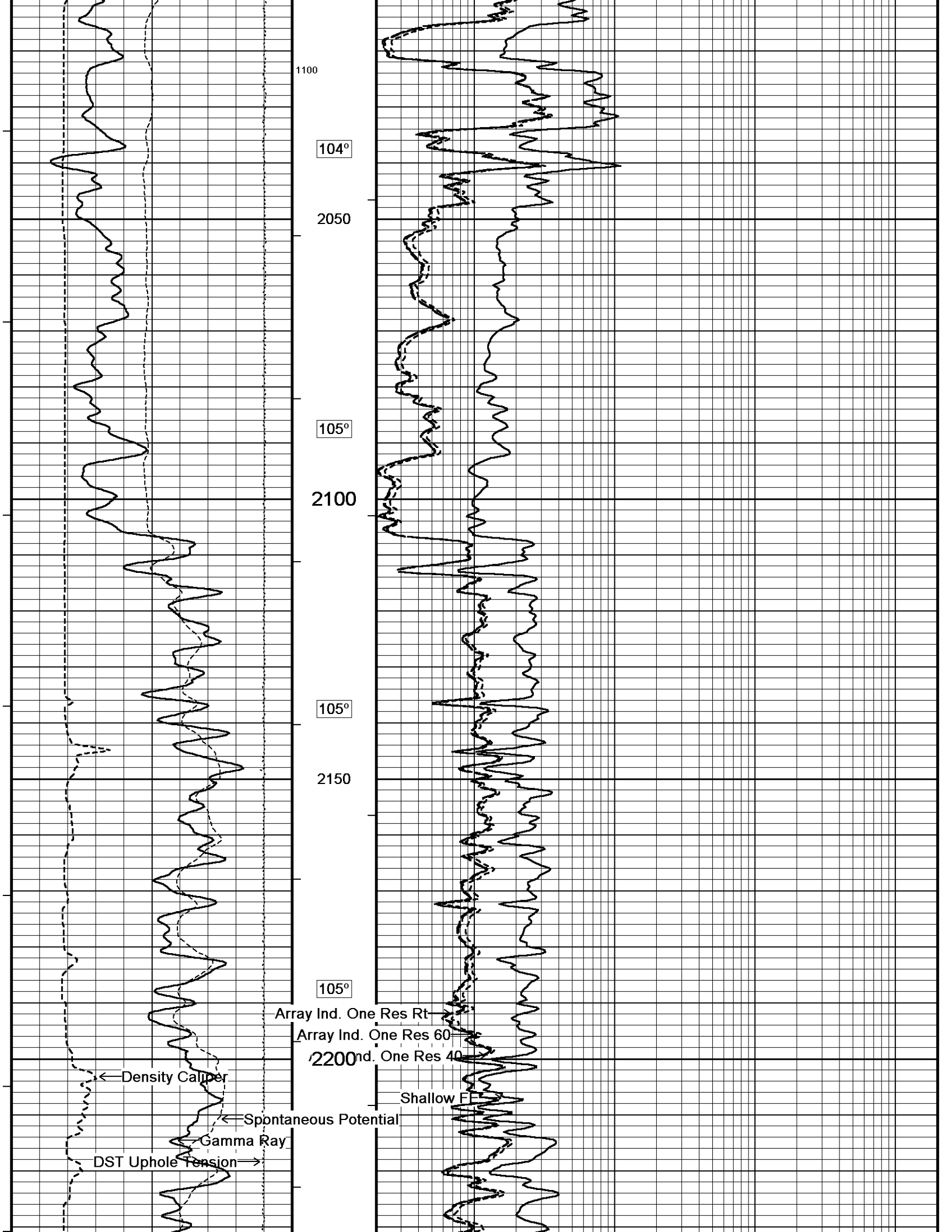
104°
2000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105°
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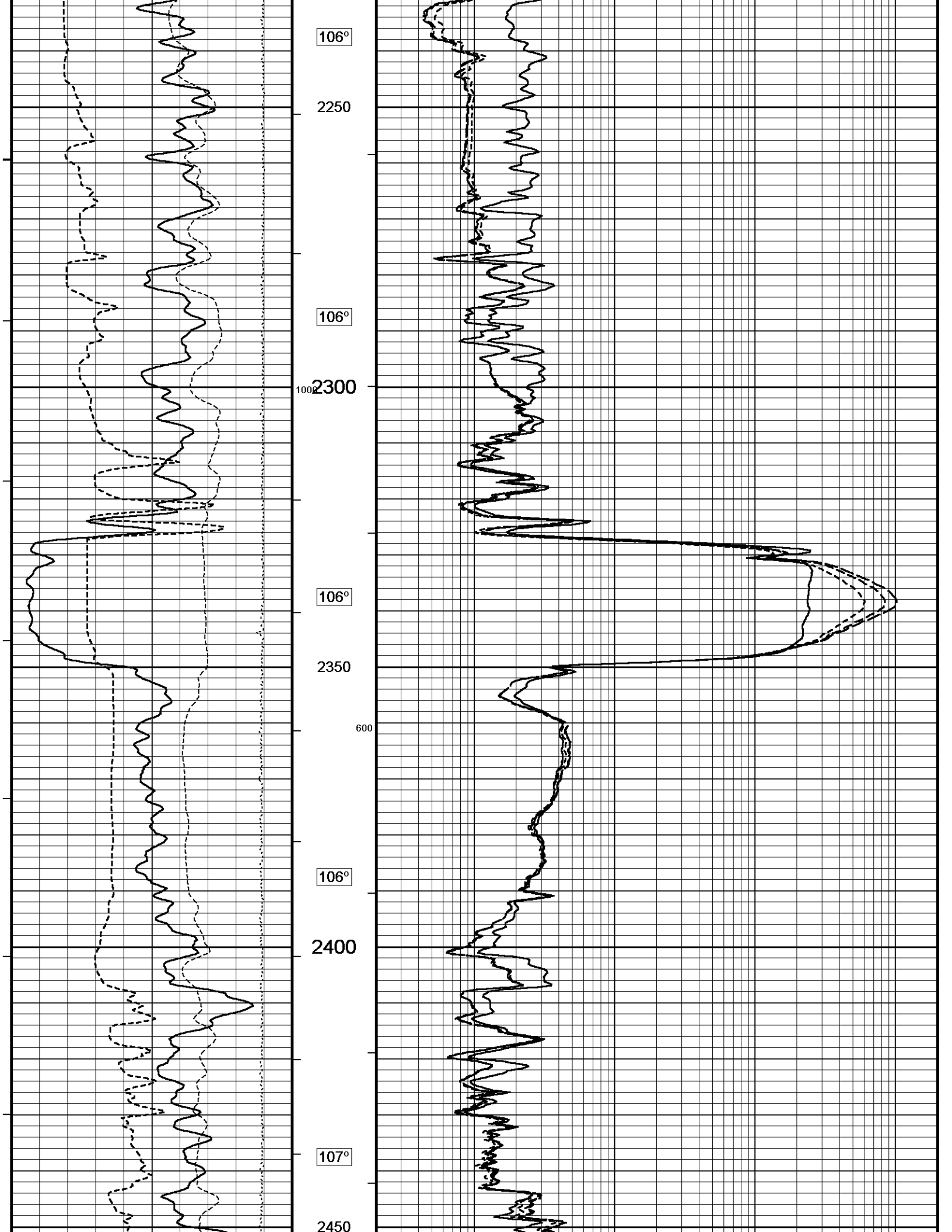
Array Ind. One Res 60
nd. One Res 40
Shallow FE
Density Caliper
Spontaneous Potential
Gamma Ray
DST Uphole Tension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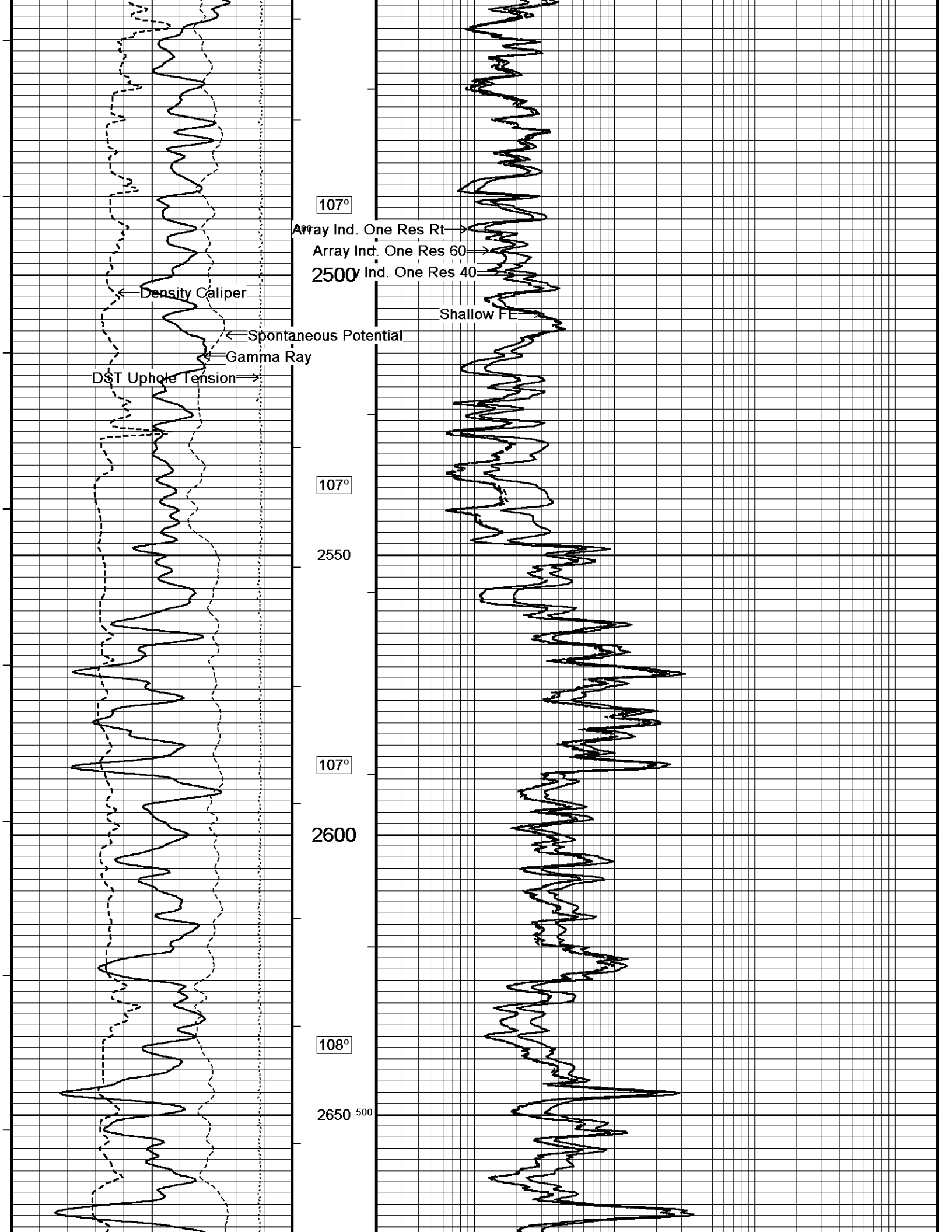
2400
107°
2450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Array Ind. One Res 60
2500
Ind. One Res 40
Density Caliper
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
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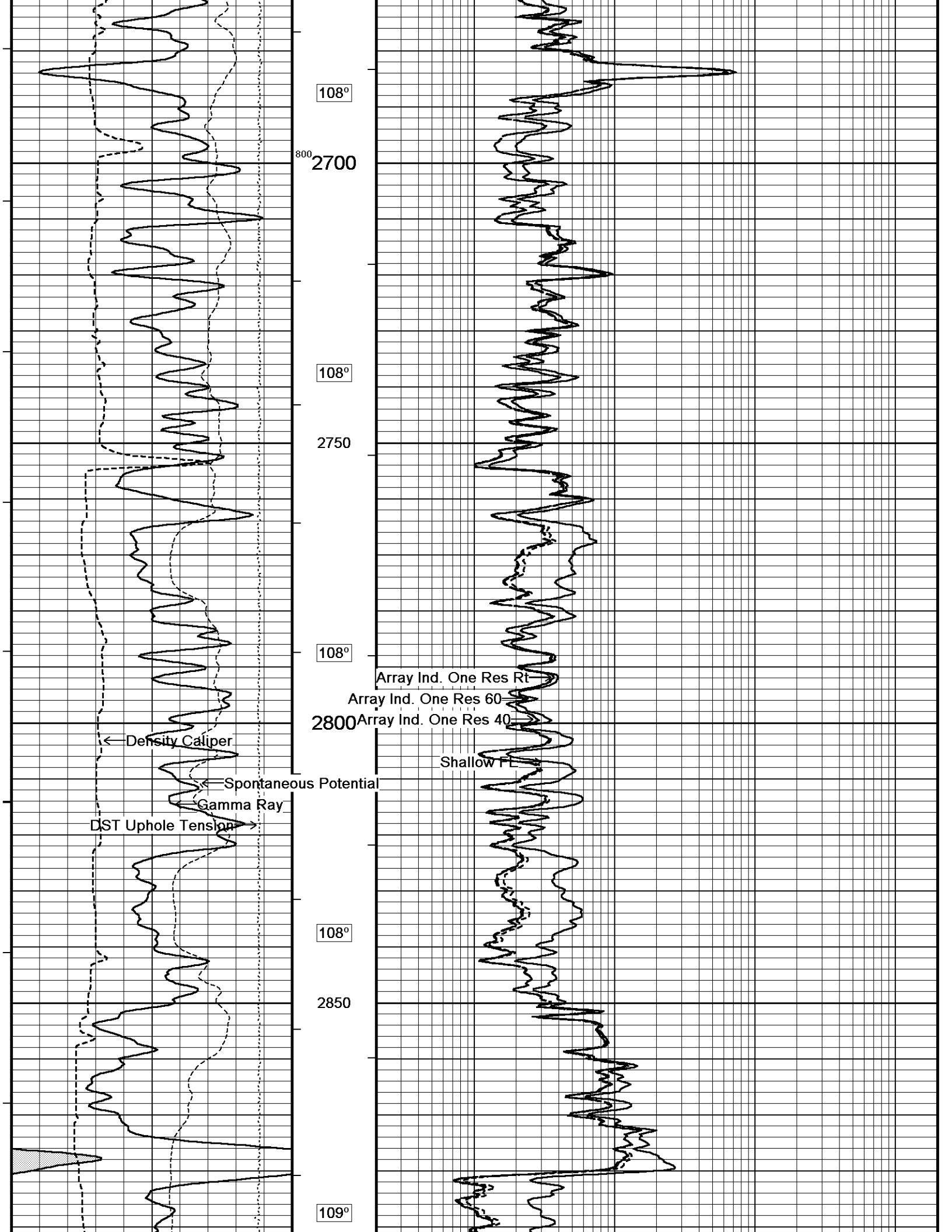
2650
500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108°
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2800
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Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
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2850
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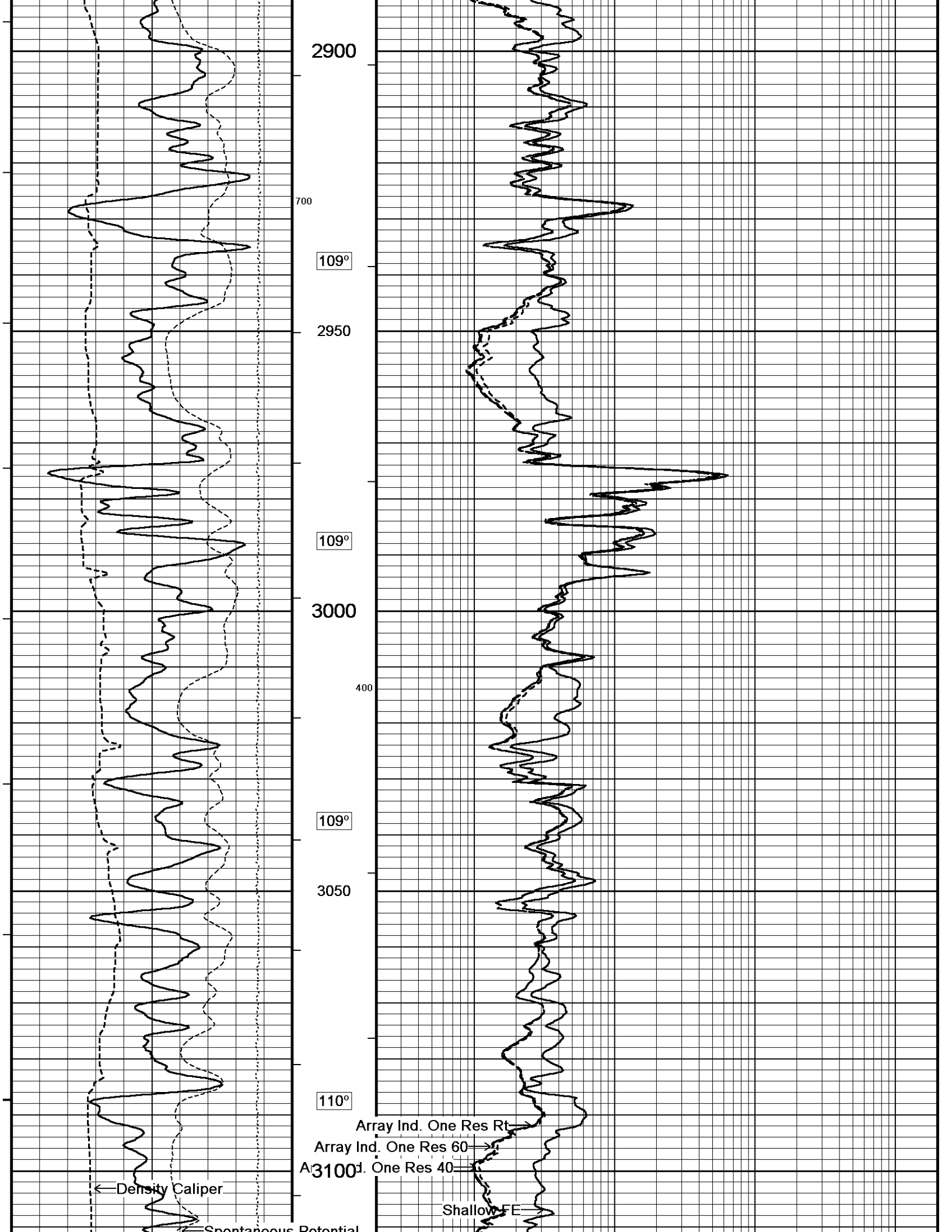
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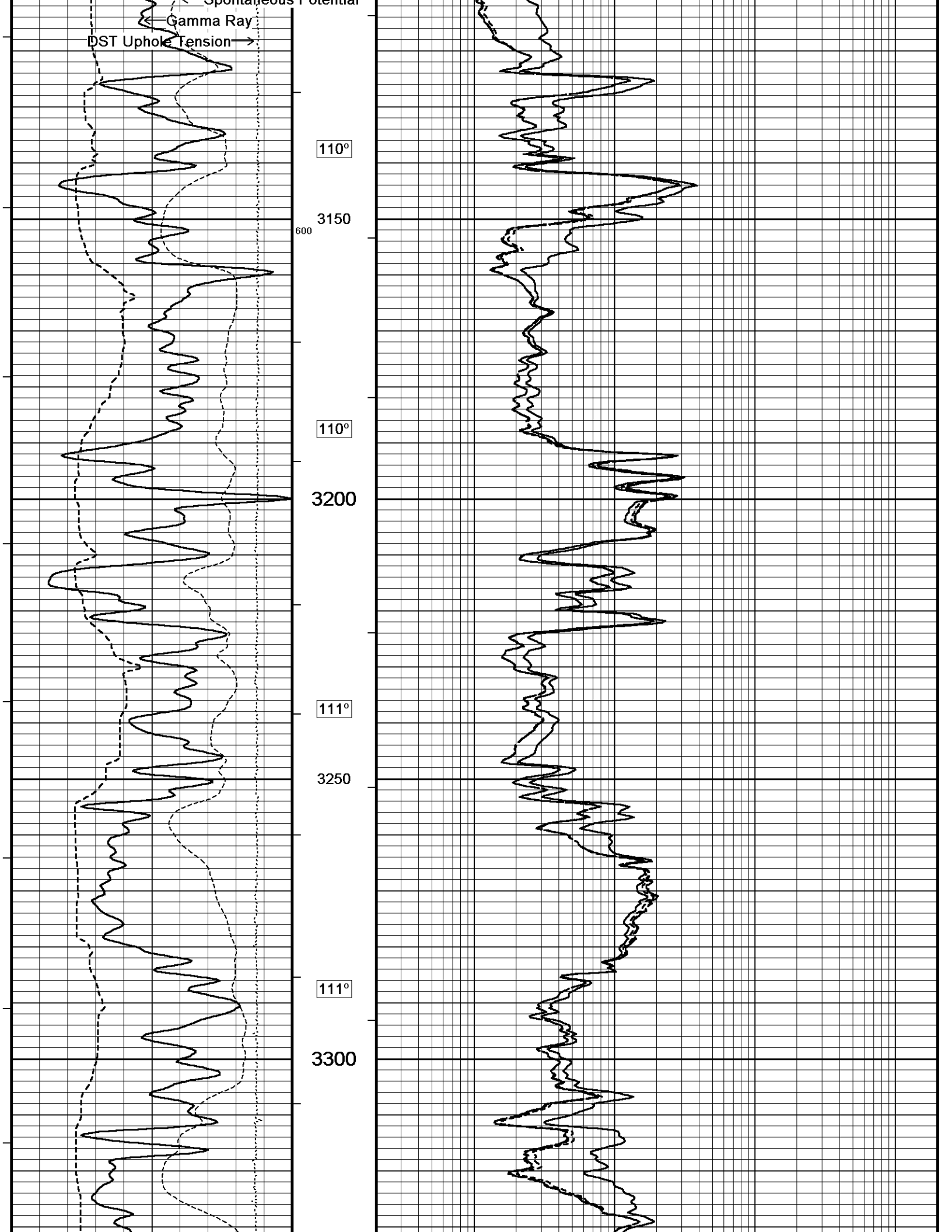
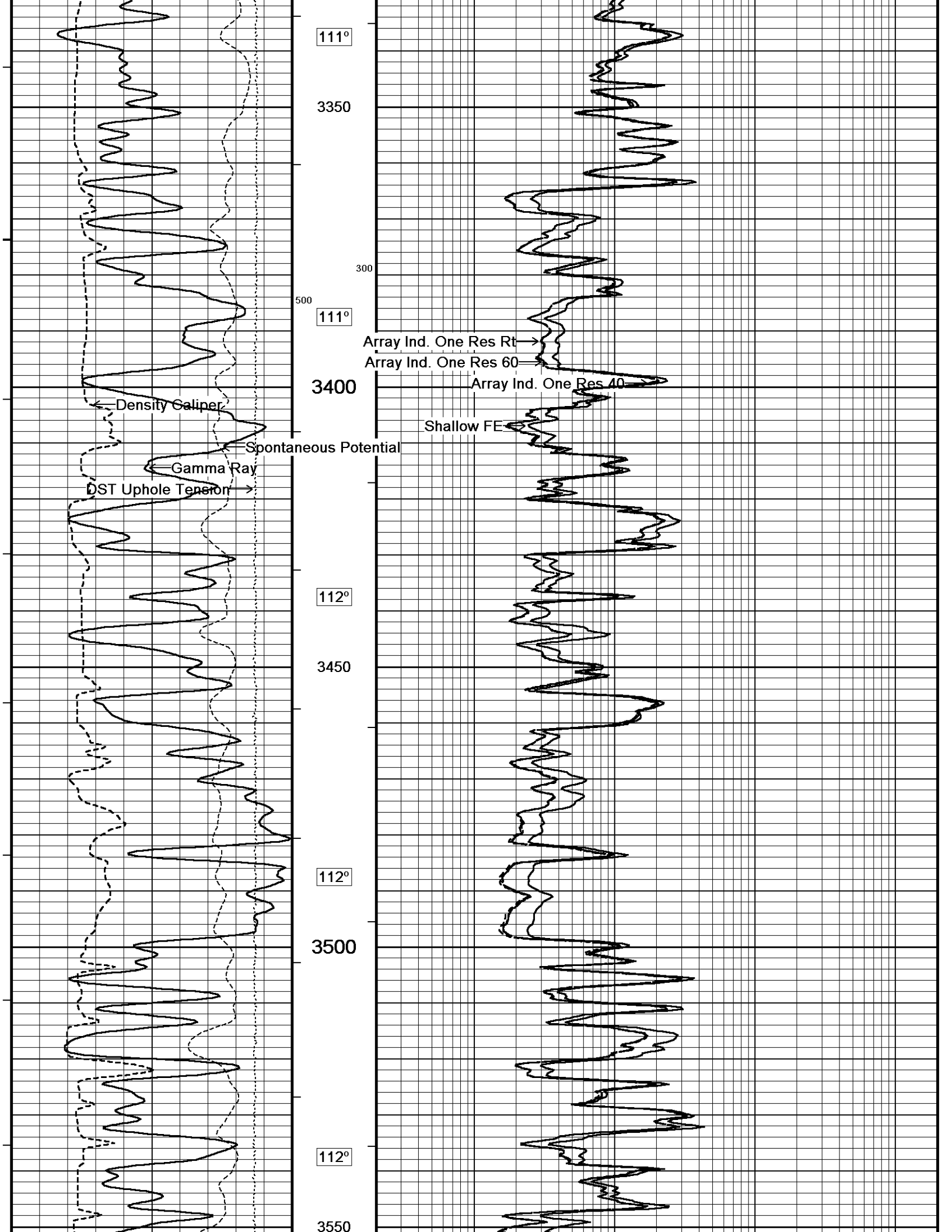
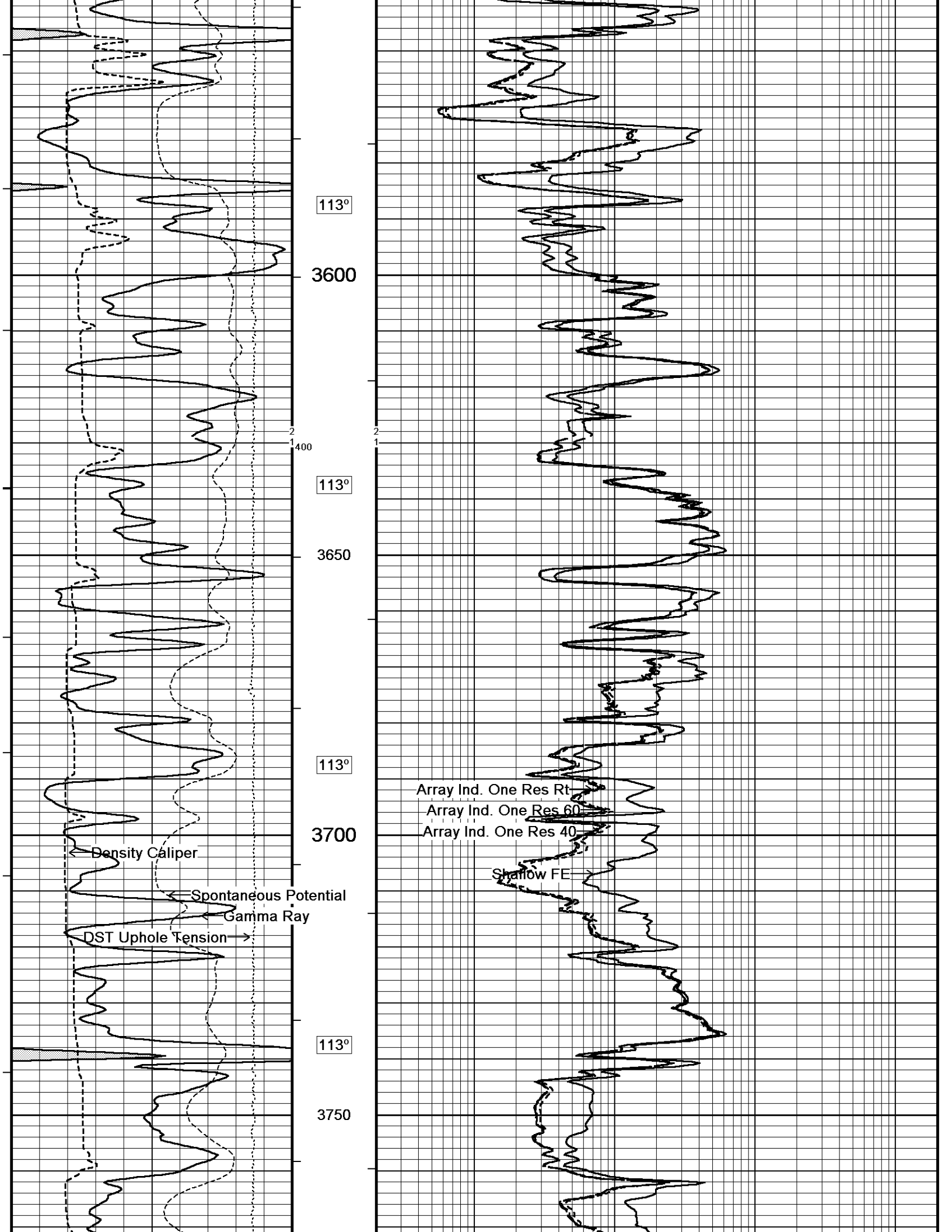
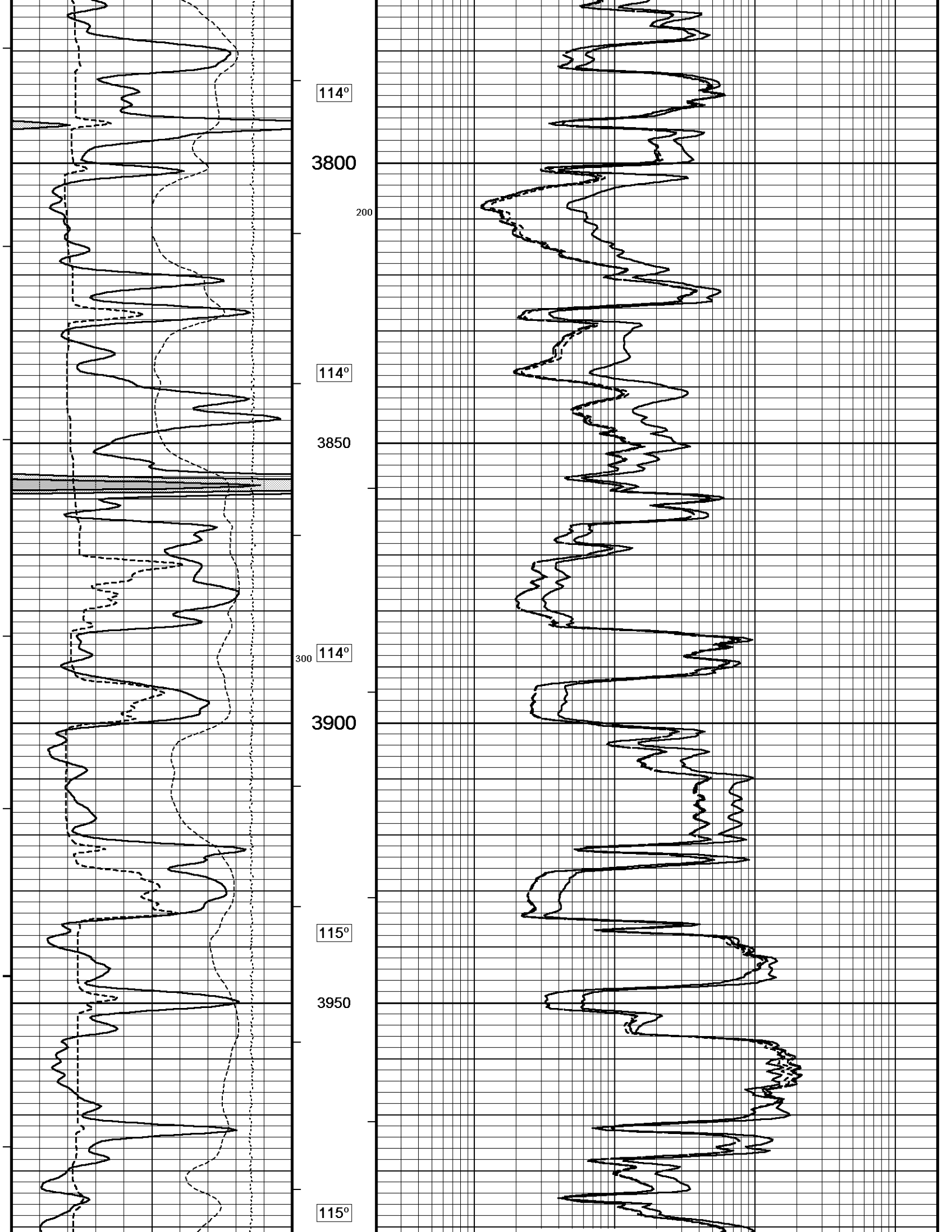
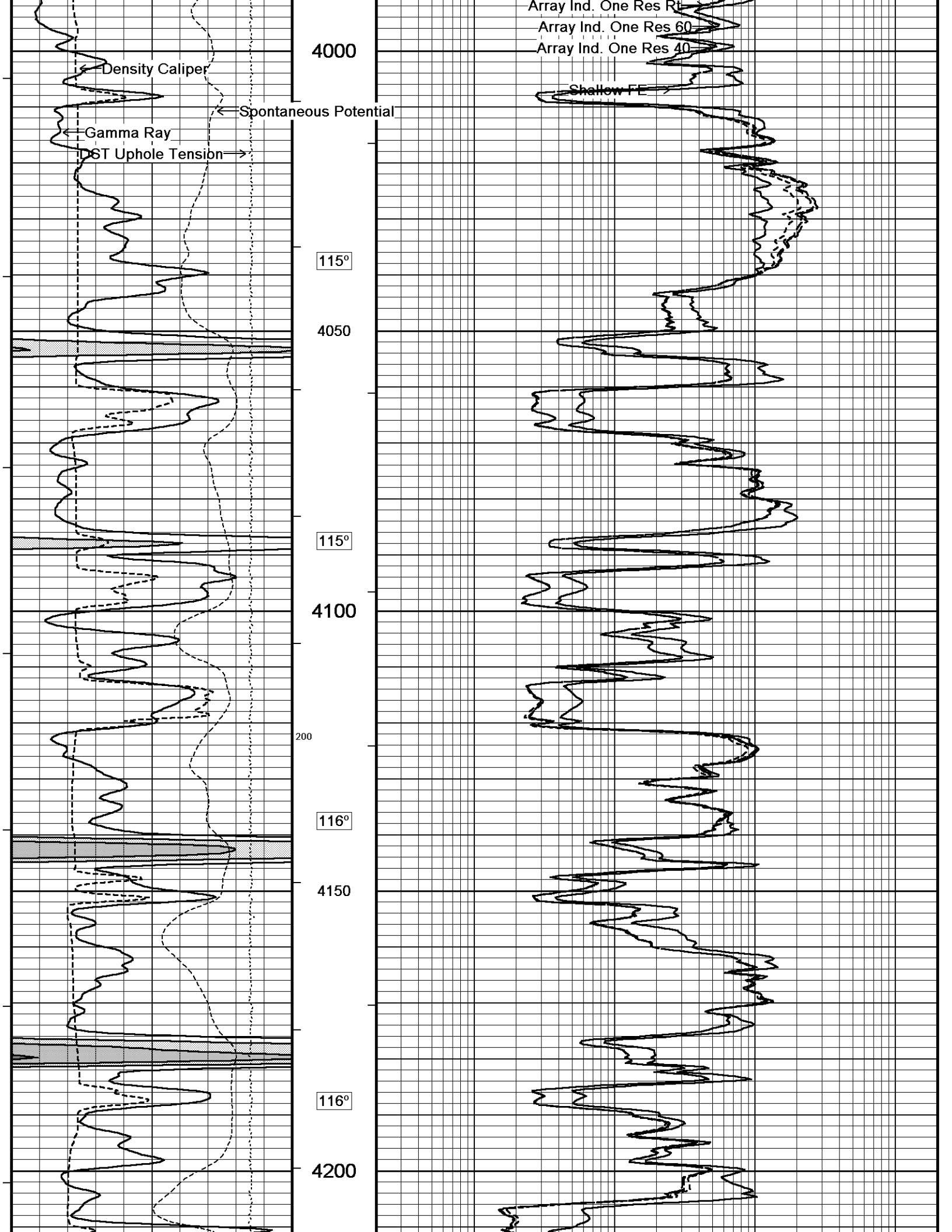
700
109°
2950
109°
3000
400
109°
3050
110°
Array Ind. One Res Rt
Array Ind. One Res 60
A Ind. One Res 40
3100
←Density Caliper
Shallow FE
←Spontaneous Potential

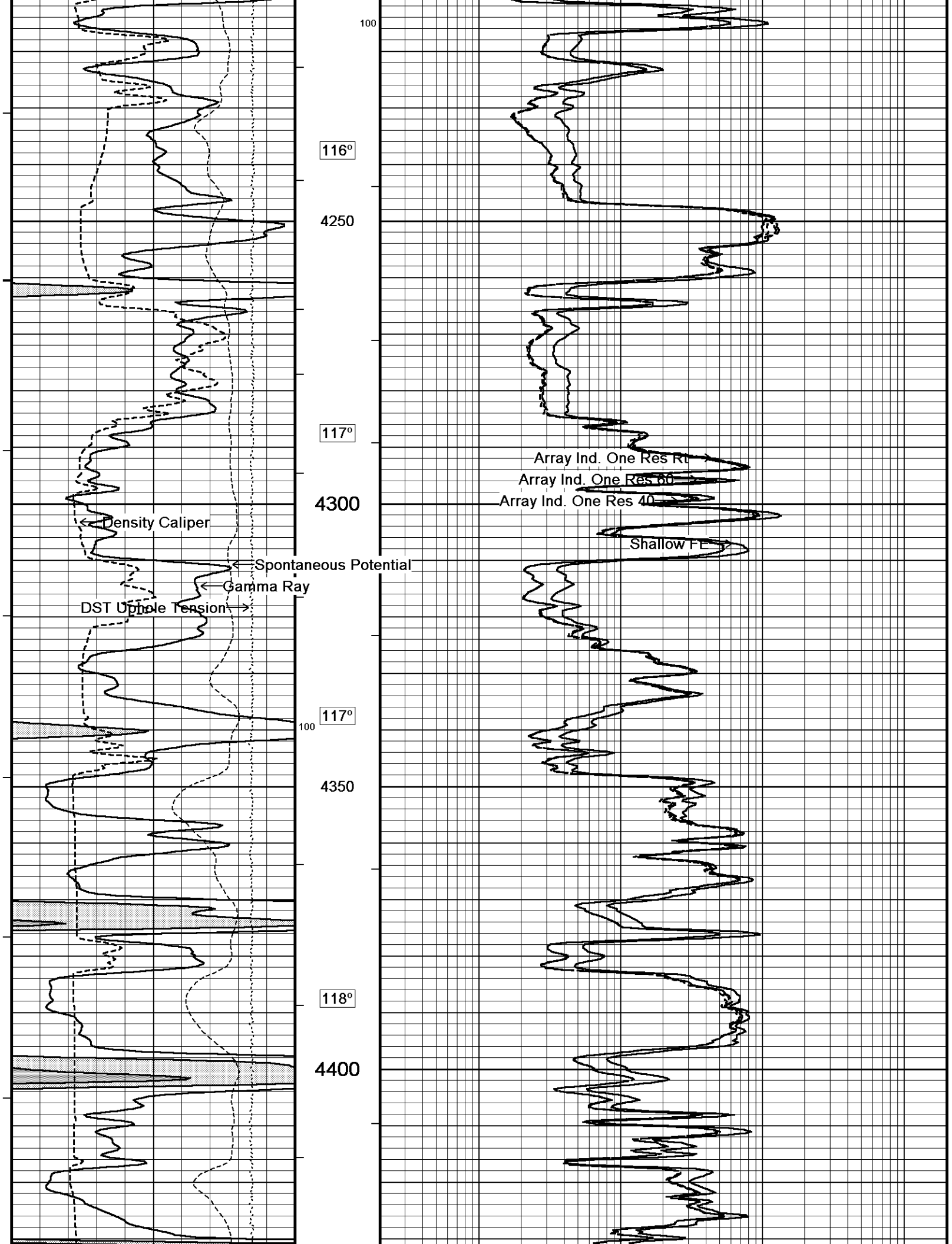

Spontaneous Potential
Gamma Ray
DST Uphole Tension
600
110°
3150
110°
3200
111°
3250
111°
3300

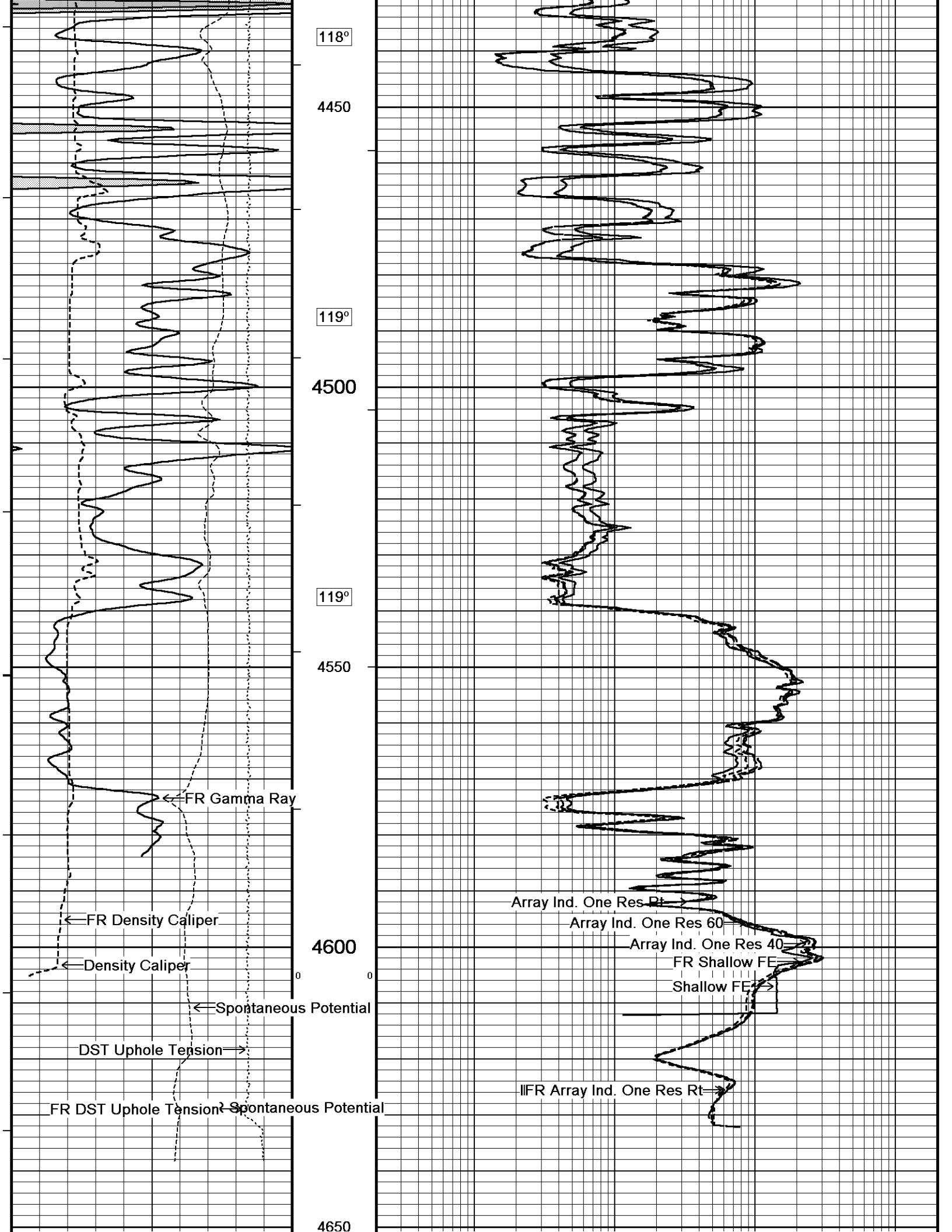

111°
3350
300
500
111°
Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
3400
Density Caliper
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
112°
3450
112°
3500
112°
3550

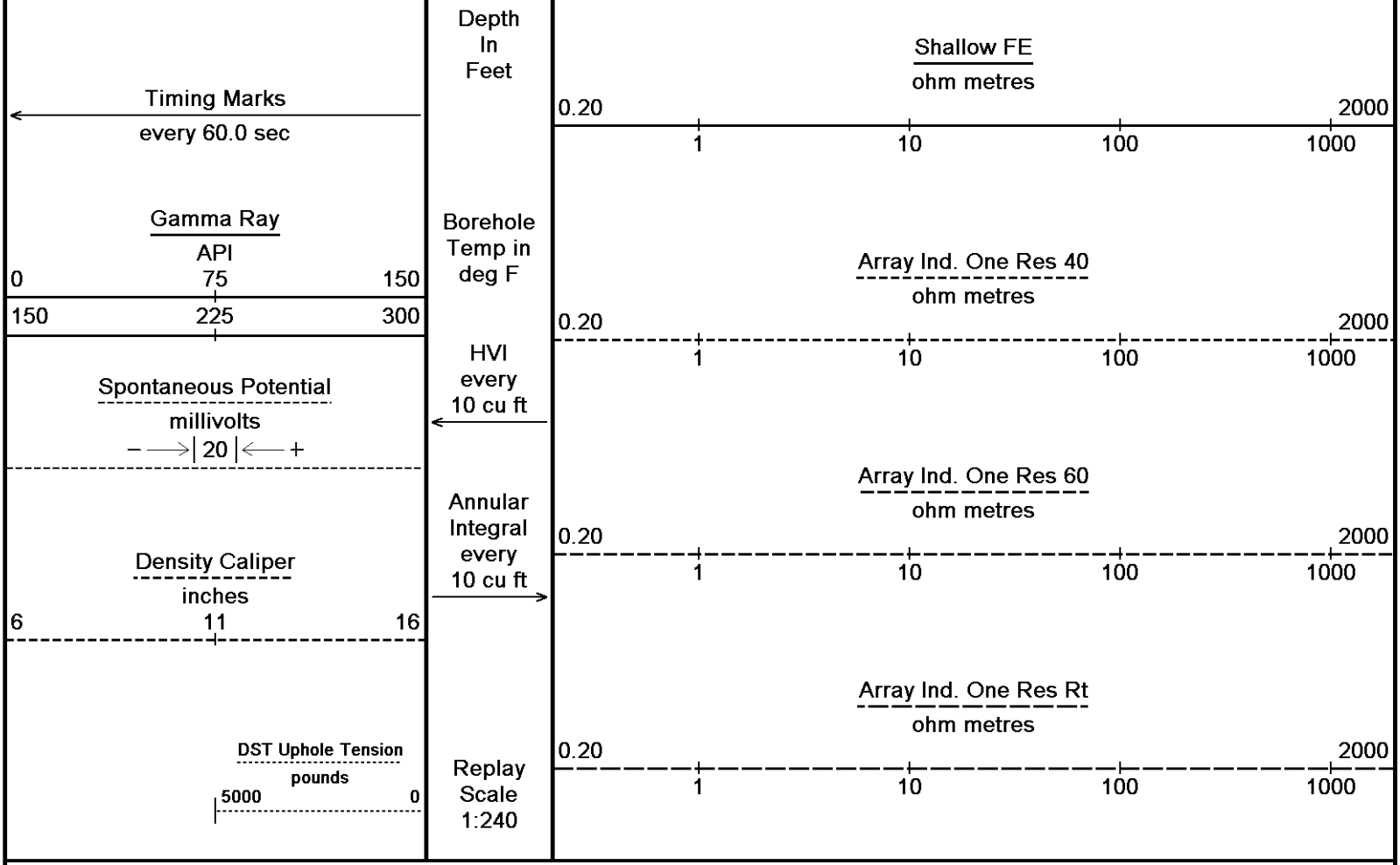

113°
3600
113°
3650
113°
3700
113°
3750
Density Caliper
Spontaneous Potential
Gamma Ray
DST Uphole Tension
Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
Shallow FE


114°
3800
200
114°
3850
300
114°
3900
115°
3950
115°


Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
Shallow FE
Density Caliper
Spontaneous Potential
Gamma Ray
ST Uphole Tension
4000
115°
4050
115°
4100
200
116°
4150
116°
4200


100
116°
4250
117°
4300
Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
Density Caliper
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
100
117°
4350
118°
4400


118°
4450
119°
4500
119°
4550
FR Gamma Ray
FR Density Caliper
Density Caliper
4600
0
0
Spontaneous Potential
DST Uphole Tension
FR DST Uphole Tension
Spontaneous Potential
4650
Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
FR Shallow FE
Shallow FE
FR Array Ind. One Res Rt

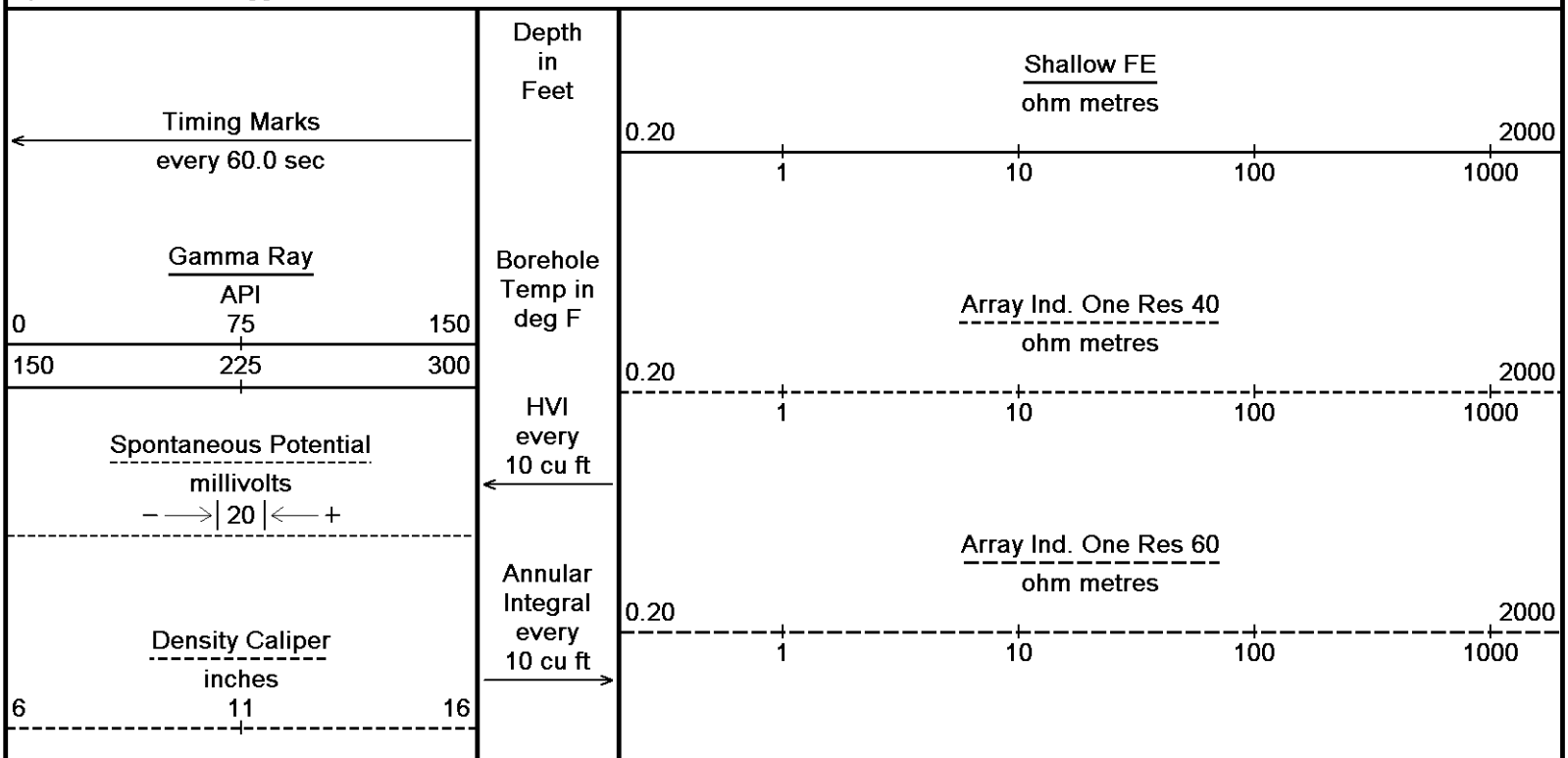


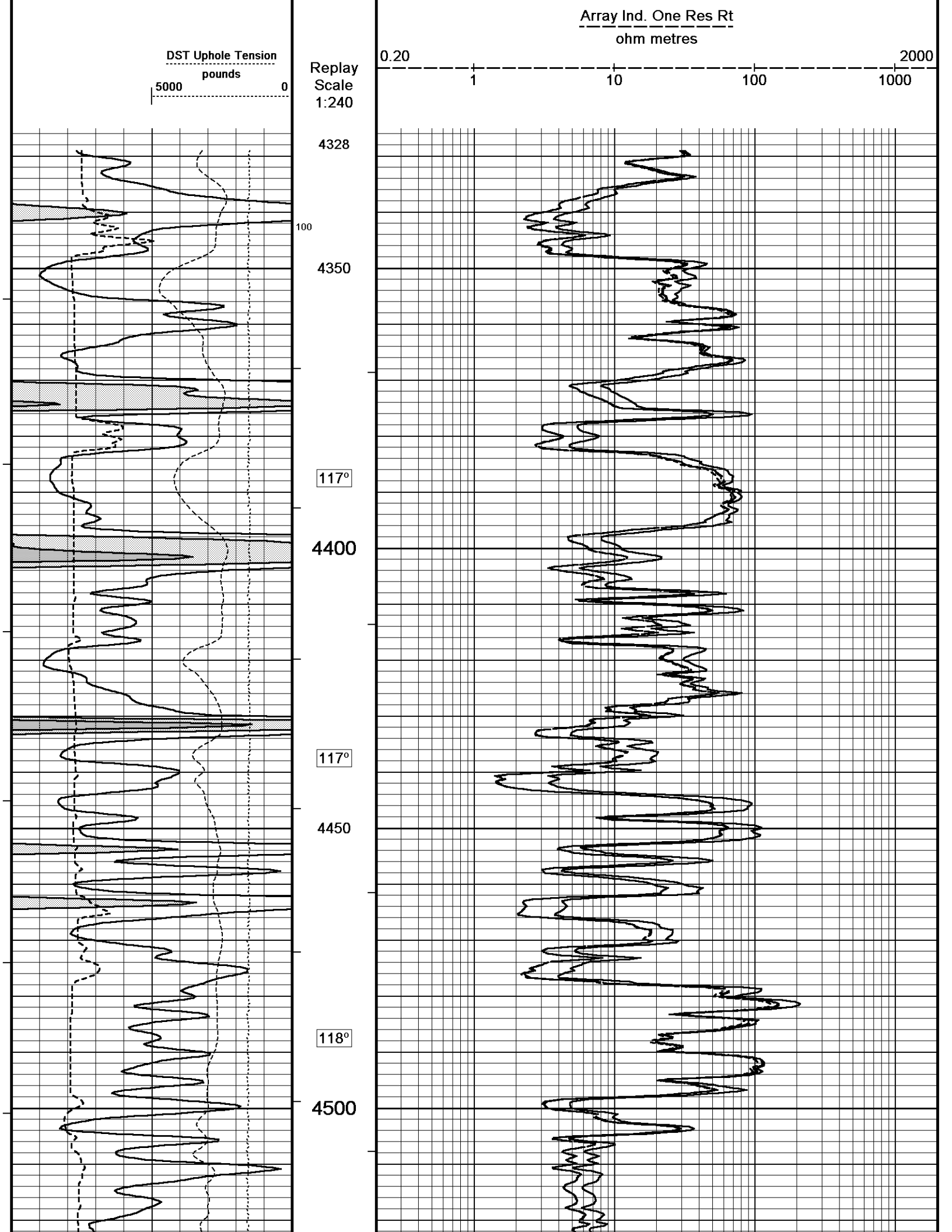
Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 28-SEP-2012 22:33
Filename: C:\Minimus 13.02.6600\Data\Shakespeare Parsons #...\Shakespeare Parsons #2-27_002.dta — Recorded on 28-SEP-2012 20:00
System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

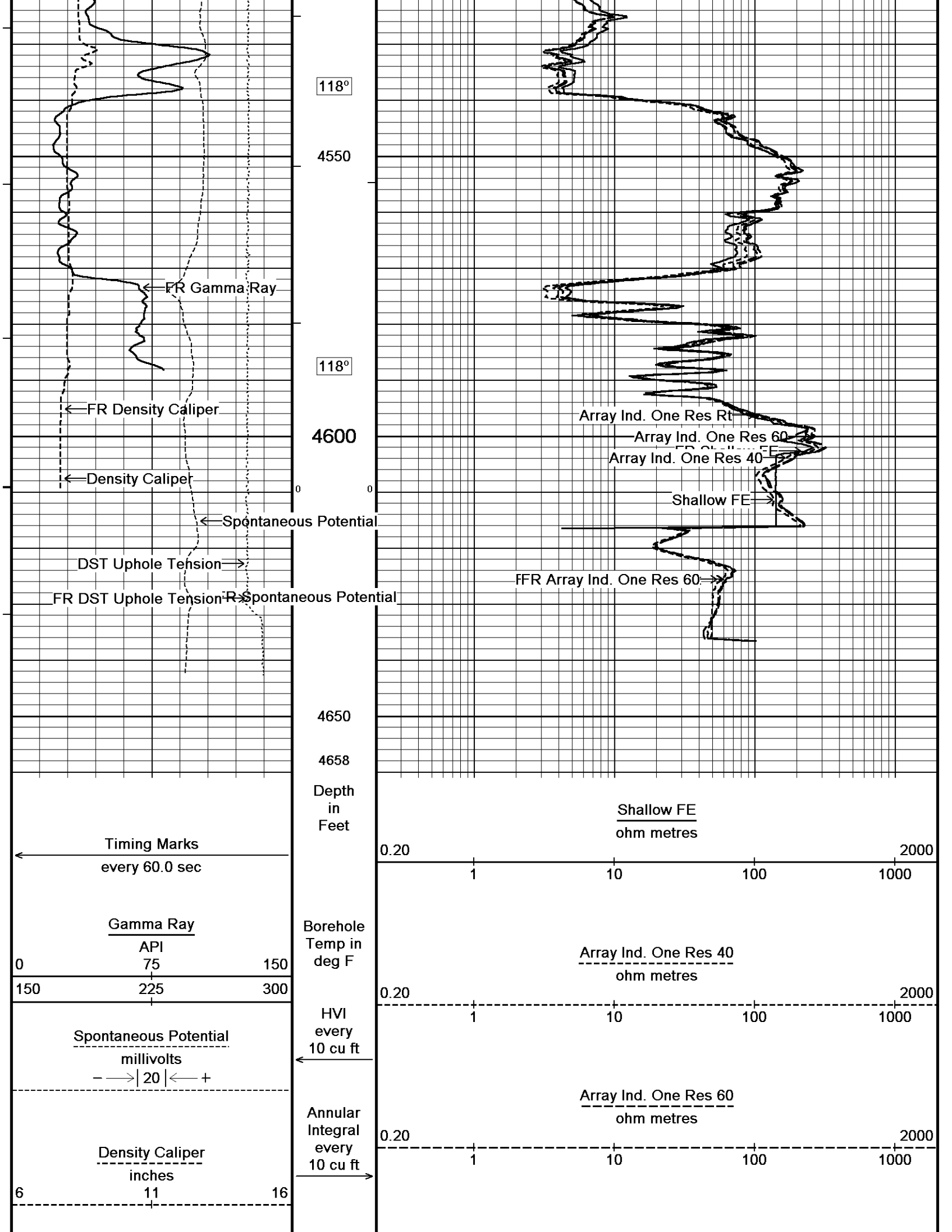
5 INCH MAIN

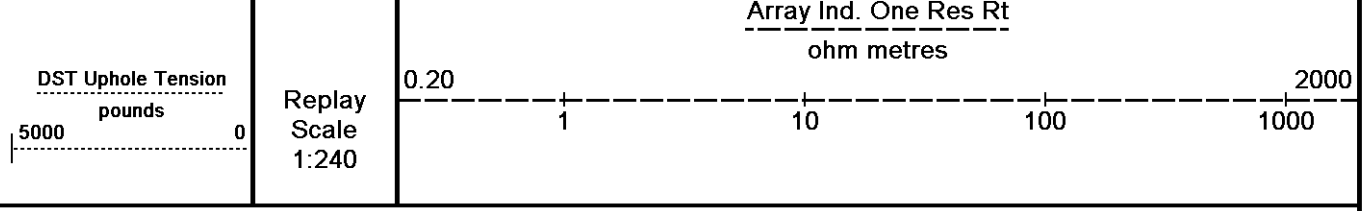
REPEAT SECTION

Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 28-SEP-2012 22:33
Filename: C:\Minimus 13.02.6600\Data\Shakespeare Parsons #...\Shakespeare Parsons #2-27_001.dta — Recorded on 28-SEP-2012 19:37
System Versions: Logged with 13.02.6600 Plotted with 13.02.6600




DST Uphole Tension
pounds
5000
0
Replay
Scale
1:240
Array Ind. One Res Rt
ohm metres
0.20
2000
1
10
100
1000
4328
100
4350
117°
4400
117°
4450
118°
4500


118°
4550
FR Gamma Ray
118°
FR Density Caliper
4600
Density Caliper
0
0
Spontaneous Potential
DST Uphole Tension
FR DST Uphole Tension
R Spontaneous Potential
Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
Shallow FE
FFR Array Ind. One Res 60
4650
4658
Depth
in
Feet
Timing Marks
every 60.0 sec
Gamma Ray
API
0
75
150
150
225
300
Spontaneous Potential
millivolts
− 20 +
Density Caliper
inches
6
11
16
Borehole
Temp in
deg F
HVI
every
10 cu ft
Annular
Integral
every
10 cu ft
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
1
10
100
1000



Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 28-SEP-2012 22:33
Filename: C:\Minimus 13.02.6600\Data\Shakespeare Parsons #...\Shakespeare Parsons #2-27_001.dta — Recorded on 28-SEP-2012 19:37
System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

REPEAT SECTION

BEFORE SURVEY CALIBRATION

C:\Minimus 13.02.6600\Data\Shakespeare Parsons #2-27\Shakespeare Parsons #2-27_001.dta

General Constants All 000

Last Edited on 28-SEP-2012,18:18

General Parameters		
Mud Resistivity	0.740	ohm-metres
Mud Resistivity Temperature	89.000	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	5.500	inches
Caliper for Differential Caliper	Density Caliper	
Rwa Parameters		
Porosity used	Base Density Porosity	
Resistivity used	Array Ind. Four Res Rt	
RWA Constant A	0.610	
RWA Constant M	2.150	

Down-hole Tension Calibration SMS 0

Field Calibration on 27-SEP-2012 04:09

Reading No	Measured	Calibrated (lbs)
1	13701.85	0.00
2	13742.18	500.00

Gamma Calibration MCG-C 208

Field Calibration on 28-SEP-2012 11:20

	Measured	Calibrated (API)
Background	70	49
Calibrator (Gross)	1103	774
Calibrator (Net)	1033	725

Gamma Constants MCG-C 208

Last Edited on 28-SEP-2012,18:18

Gamma Calibrator Number	GR38	
Mud Density	1.13	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

SP Calibration MCG-C 208

Field Calibration on 03-AUG-2012 22:37

	Measured	Calibrated (mV)
Reference 1	100.2	101.0
Reference 2	-101.3	-101.0

High Resolution Temperature Calibration MCG-C 208

Field Calibration on 03-AUG-2012,16:18

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

High Resolution Temperature Constants MCG-C 208

Last Edited on

Pre-filter Length	11

Caliper Calibration MML-A 4

Base Calibration on 27-AUG-2012 09:13
Field Calibration on 28-SEP-2012 11:02

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	15511	5.98
2	18793	7.97
3	22115	9.86
4	26057	11.92
5	0	0.00
6	N/A	N/A

Field Calibration

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

Micro Normal and Micro Inverse Calibration MML-A 4

Base Calibration on 27-AUG-2012 09:21
Field Check on 28-SEP-2012 11:04

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	78.5	5.0	25.0

Channel	Base Check (ohm-m)	Field Check (ohm-m)
Micro Normal	62.9	62.9
Micro Inverse	48.2	48.2

Micro Normal and Micro Inverse Constants MML-A 4

Last Edited on 28-SEP-2012,18:18

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 65

Base Calibration on 28-AUG-2012 10:35
Field Check on 28-SEP-2012 11:25

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3134	97	3714	110
Ratio	32.240		33.764	

Field Calibrator at Base

	Calibrated (cps)	
	1654	2401
Ratio	0.689	

Field Check

	Calibrated (cps)	
	1646	2367
Ratio	0.695	

Neutron Constants MDN-A.B 65

Last Edited on 28-SEP-2012,18:18

Neutron Source Id	PN-521	
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	Constant Value	
Formation Pressure	0.00	kpsi
Temperature Source	Constant Value	
Temperature	68.00	degrees F
Mud Salinity	0.00	kppm
Salinity Correction	Not Applied	
Formation Fluid Salinity Source	Constant Value	
Formation Fluid Salinity	0.00	kppm
Barite Mud Correction	Not Applied	

FE Calibration MFE-B.J 352

Base Calibration on 27-AUG-2012 14:50
Field Check on 28-SEP-2012 11:01

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	963.9	126.8
Base Check		281.2
Field Check		281.4

FE Constants MFE-B.J 352

Last Edited on 28-SEP-2012,18:17

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

Sonic Constants MSS-A.A 126

Last Edited on 27-JUL-2012,20:15

Maximum Boundary Contrast	100.00	micro-sec/ft
Fluid Transit Time	189.00	micro-sec/ft
Limestone Transit Time	47.50	micro-sec/ft
Sandstone Transit Time	55.50	micro-sec/ft
Dolomite Transit Time	43.50	micro-sec/ft
Sonic used for Porosities	3-5' Compensated	
Correction for Sonde Skew	Applied	
Cycle Stretch Algorithm	Applied	
MN3FT	0.00	micro-sec
MX3FT	1500.00	micro-sec
Hunt-Raymer Constant	83.13	micro-sec/ft
Sonde Mode	Compensated	
Hole Type	Open Hole	

Sonde Parameters

	Measured	Calibrated
Offset	0.0000	0.0000
Free Pipe	0.0000	0.0000

Peak Amplitude Source 0

Waveform	Start Time (micro-sec)	Width (micro-sec)	Pre Gain	Start Gain	Discriminator (mV)
3'	N/A	N/A	N/A	N/A	N/A
4'	N/A	N/A	N/A	N/A	N/A
5'	N/A	N/A	N/A	N/A	N/A
6'	N/A	N/A	N/A	N/A	N/A

Processed Fixed Gate Parameters

Waveform Used For Processing N/A

Start Time (micro-sec)	End Time (micro-sec)	Discriminator (mV)	Depth (ft)
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
0.00	0.00	0.00	

Full Waveform Parameters

Use 3' Waveform to derive TR	No	
Use 4' Waveform to derive TR	No	
Use 5' Waveform to derive TR	No	
Use 6' Waveform to derive TR	No	
3' Waveform Discriminator Level	0.30	mV
4' Waveform Discriminator Level	0.30	mV
5' Waveform Discriminator Level	0.15	mV
6' Waveform Discriminator Level	0.15	mV
3' Waveform Filter	0	

4' Waveform Filter	0	
5' Waveform Filter	0	
6' Waveform Filter	0	
Semblance Level	0.50	
Semblance Window Width	120.00	micro-sec
Sonic 1 Despiker	100.00	micro-sec/ft
Sonic 2 Despiker	100.00	micro-sec/ft

Induction Calibration MAI-A.A 45

Base Calibration on 26-JUL-2012,09:22
Field Check on 28-SEP-2012 10:57

Base Calibration

Test Loop Calibration

Channel	Measured Low	Measured High	Calibrated (mmho/m) Low	Calibrated (mmho/m) High
1	14.4	472.6	9.3	966.2
2	5.7	374.0	7.6	821.4
3	3.4	261.2	5.2	566.0
4	2.5	133.9	2.6	279.2

Array Temperature 78.4 Deg F

Channel	Base Check (mmho/m) Low	Base Check (mmho/m) High	Field Check (mmho/m) Low	Field Check (mmho/m) High
1	0.0	0.0	18.7	3851.6
2	0.0	0.0	31.7	3629.4
3	0.0	0.0	28.6	3049.5
4	0.0	0.0	18.3	2079.3
Deep	0.0	0.0	16.1	1911.4
Medium	0.0	0.0	42.5	4060.7
Shallow	0.0	0.0	49.6	5482.9
Array Temperature	0.0		66.0	Deg F

Induction Constants MAI-A.A 45

Last Edited on 28-SEP-2012,18:17

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	45.00	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 45

Field Calibration on 26-JUL-2012,09:09

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

High Resolution Temperature Constants MAI-A.A 45

Last Edited on

Pre-filter Length	11

Caliper Calibration MPD-B 31

Base Calibration on 28-AUG-2012 11:03
Field Calibration on 28-SEP-2012 11:10

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	18576	3.99
2	27056	5.98
3	35613	7.97
4	44032	9.86
5	53360	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
6.00	5.98

Photo Density Calibration MPD-B 31

Base Calibration on 28-AUG-2012 11:22
Field Check on 28-SEP-2012 11:09

Density Calibration

Base Calibration	Measured Near	Measured Far	Calibrated (sdu) Near	Calibrated (sdu) Far
Reference 1	46103	23728	59556	30836
Reference 2	19270	1960	24941	2541

Field Check at Base

688.3	844.7

Field Check

685.2	846.0

PE Calibration

Base Calibration	WS	Measured WH	Measured Ratio	Calibrated Ratio
Background	127	604		
Reference 1	18457	45978	0.404	0.371
Reference 2	5504	19174	0.290	0.272

Field Check at Base

127.0	604.2

Field Check

125.7	598.4

Density Constants MPD-B 31

Last Edited on 28-SEP-2012,18:18

Density Source Id	254	
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	1.13	gm/cc
Mud Density Z/A Multiplier	1.13	
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

DOWNHOLE EQUIPMENT

C:\Minimus 13.02.6600\Data\Shakespeare Parsons #2-27\Shakespeare Parsons #2-27_001.dta

Compact Comms Gamma
MCG-C 208 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Micro-log
MML-A 4 LG: 7.97 ft WT: 81.6 lb OD: 2.24 in

Compact Neutron
MDN-A.B 65 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

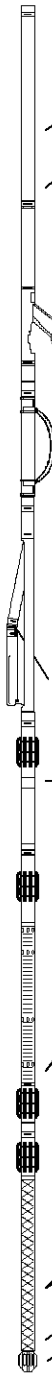
Compact Density/Caliper
MPD-B 31 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

Compact Focussed Electric
MFE-B.J 352 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Sonic
MSS-A.A 126 LG: 12.52 ft WT: 72.8 lb OD: 2.24 in

Compact Induction
MAI-A.A 45 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 60.68 ft Weight: 456.4 lb



55.39 ft	GRGC - Gamma Ray
52.48 ft	CGXT - MCG External Temperature
45.76 ft	MINV - Micro-inverse
45.76 ft	MNRL - Micro-normal
46.76 ft	MLTC - MML Caliper
40.97 ft	NPRL - Limestone Neutron Por.
33.73 ft	AVOL - Annular Volume
33.73 ft	HVOL - Hole Volume
33.73 ft	CLDC - Density Caliper
31.80 ft	DPRL - Limestone Density Por.
31.80 ft	DEN - Compensated Density
31.80 ft	DCOR - Density Correction
31.74 ft	PDPE - PE
26.24 ft	FEFE - Shallow FE
12.96 ft	DT35 - 3-5' Compensated Sonic
12.96 ft	SPRL - Wyllie Lime. Sonic Por.
3.34 ft	R40O - Array Ind. One Res 40
3.34 ft	RTAO - Array Ind. One Res Rt
3.34 ft	R60O - Array Ind. One Res 60
0.23 ft	SPCG - Spontaneous Potential
Tool Zero	(0.13ft from bottom)
-0.13 ft	SMTU - DST Uphole Tension

All measurements relative to tool zero.

COMPANY	SHAKESPEARE OIL CO., INC.
WELL	PARSONS #2-27
FIELD	WILDCAT
PROVINCE/COUNTY	GOVE
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	2848.00 feet	First Reading	4626.00 feet

Elevation Kelly Bushing	2848.00	feet	First Reading	4626.00	feet
Elevation Drill Floor	2846.00	feet	Depth Driller	4630.00	feet
Elevation Ground Level	2838.00	feet	Depth Logger	4629.00	feet

Weatherford®

ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG

Weatherford

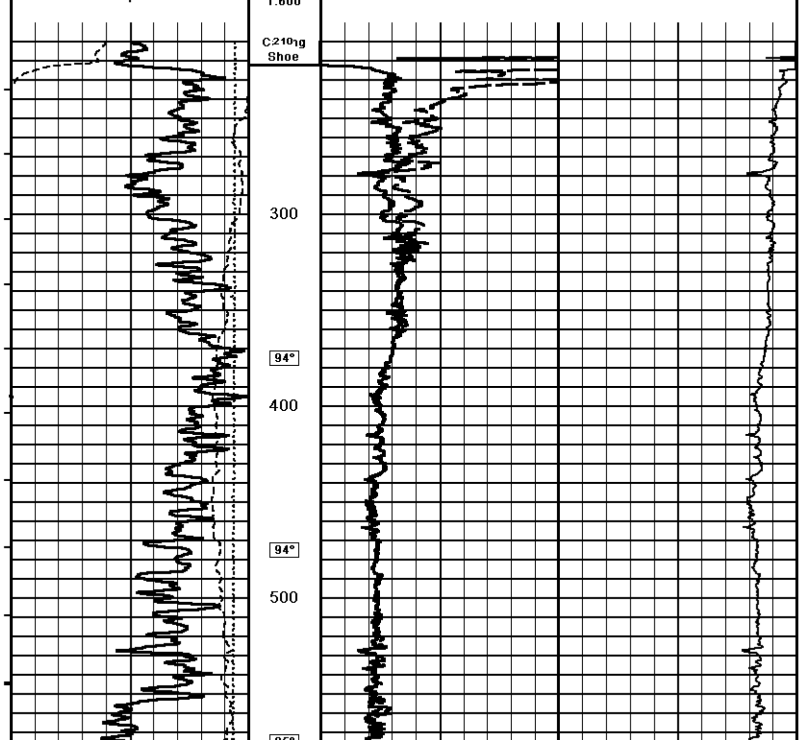
ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG

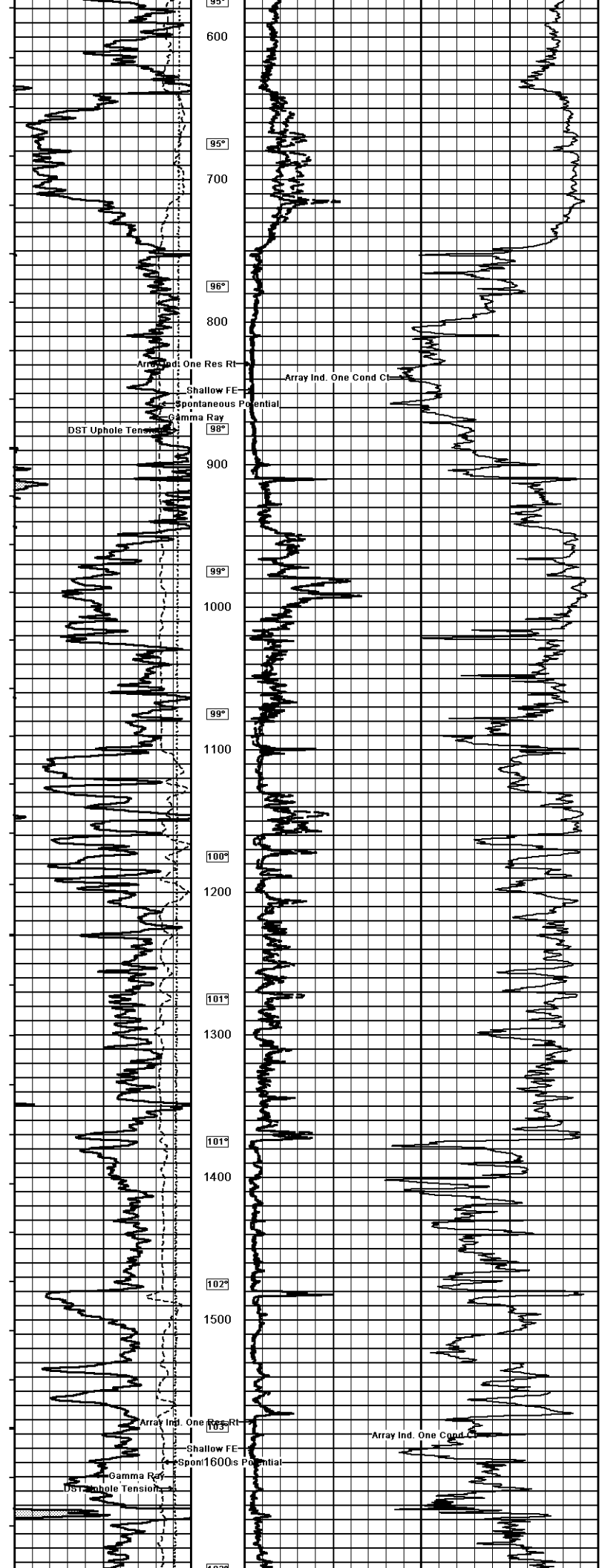
COMPANY	SHAKESPEARE OIL CO., INC.		
WELL	PARSONS #2-27		
FIELD	WILDCAT		
PROVINCE/COUNTY	GOVE		
COUNTRY/STATE	U.S.A. / KANSAS		
LOCATION	2480' FNL & 1100' FWL	Other Services: MPD/MDN, MSS, MML	
SEC 27	TWP 13S	RGE 31W	
API Number	15-063-22039		
Permit Number			
Permanent Datum GL, Elevation 2838 feet			Elevations: feet
Log Measured From KB			KB 2848.00
Drilling Measured From KB			DF 2846.00
			GL 2838.00
Date	28-SEP-2012		
Run Number	ONE		
Depth Driller	4630.00	feet	
Depth Logger	4629.00	feet	
First Reading	4626.00	feet	
Last Reading	222.00	feet	
Casing Driller	225.00	feet	
Casing Logger	222.00	feet	
Bit Size	7.875	inches	
Hole Fluid Type	CHEMICAL		
Density/Viscosity	9.40 lb/USg	49.00 CP	
PH / Fluid Loss	10.50	6.40 ml/30Min	
Sample Source	FLOWLINE		
Rm @ Measured Temp	0.74 @ 89.0	ohm-m	
Rmf @ Measured Temp	0.59 @ 89.0	ohm-m	
Rmc @ Measured Temp	0.89 @ 89.0	ohm-m	
Source Rmf / Rmc	CALC	CALC	
Rm @ BHT	0.56 @ 119.0	ohm-m	
Time Since Circulation	4 HOURS		
Max Recorded Temp	119.00	deg F	
Equipment Name	COMPACT		
Equipment / Base	13057	LIB	
Recorded By	ADAM SILL		
Witnessed By	TIM PRIEST		
S.O. # / JOB #	3538930		LB12-262

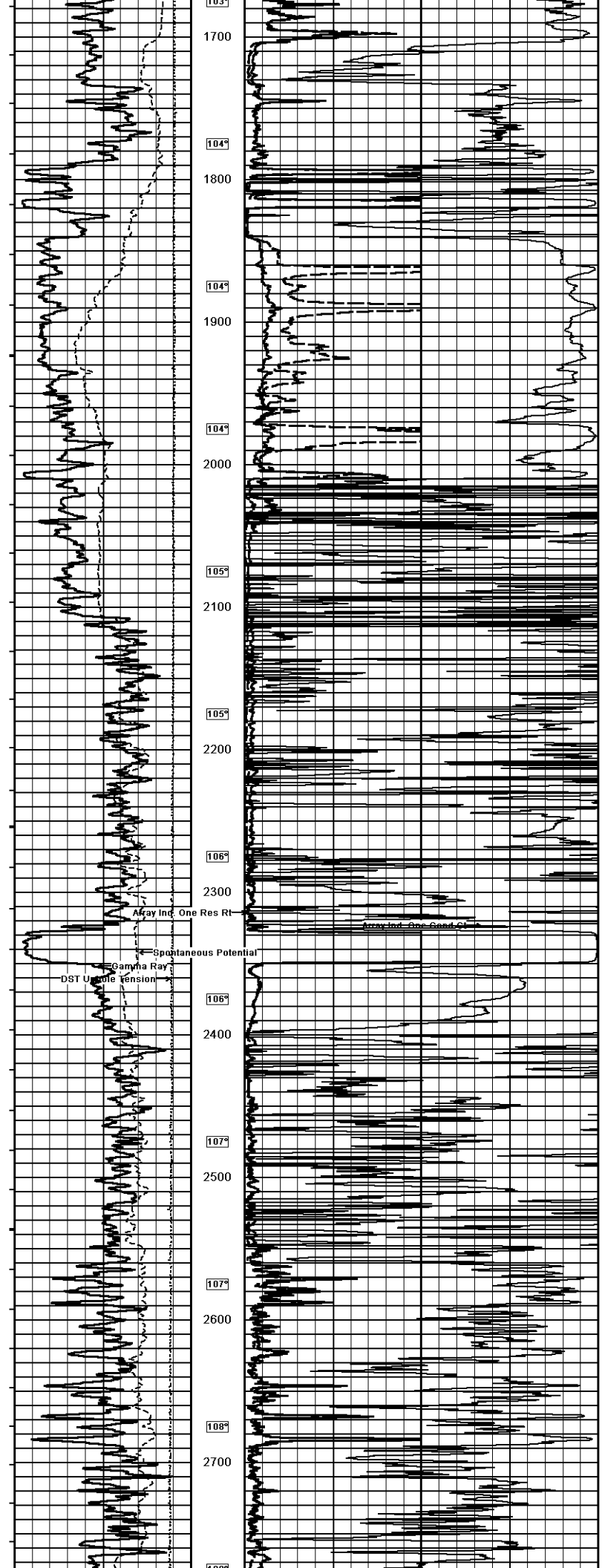
1 INCH MAIN

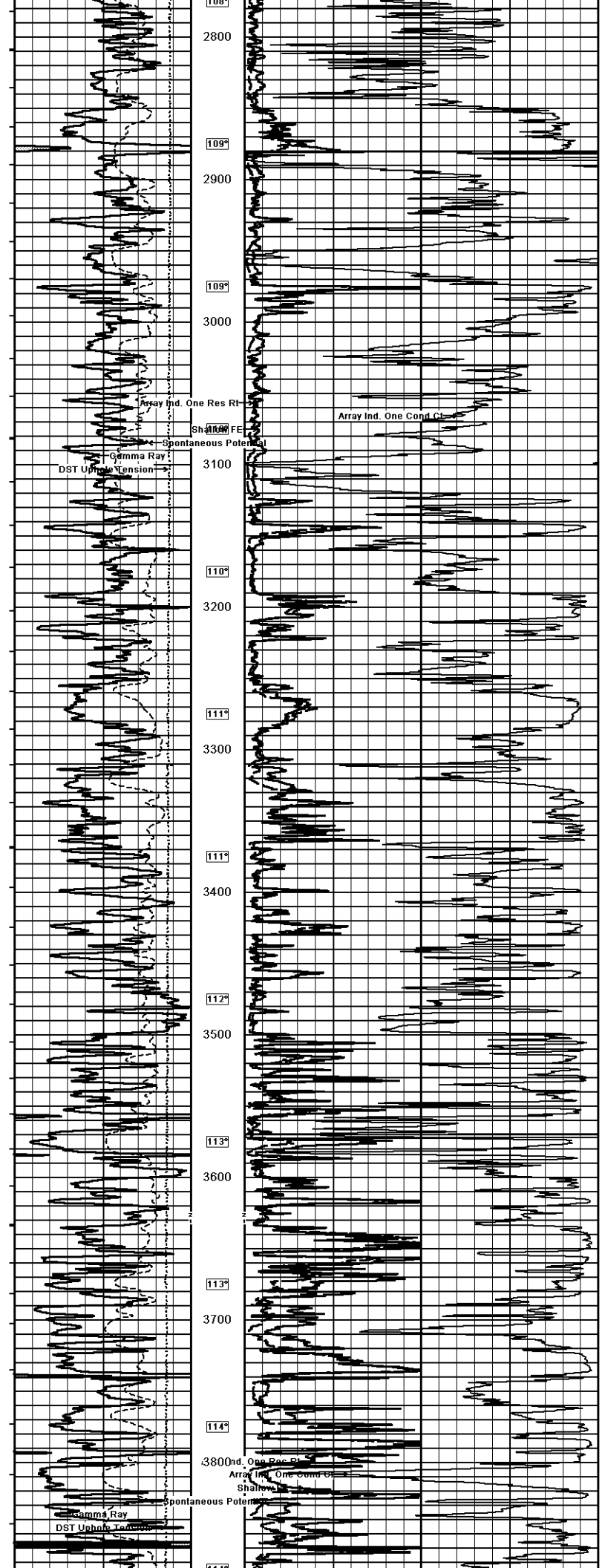
Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Minimus 13.02.6600\Data\Shakespeare Parsons #2...\Shakespeare Parsons #2-27_002.dta
System Versions: Logged with 13.02.6600 Plotted with 13.02.6600
Plotted on 28-SEP-2012 22:33
Recorded on 28-SEP-2012 20:00

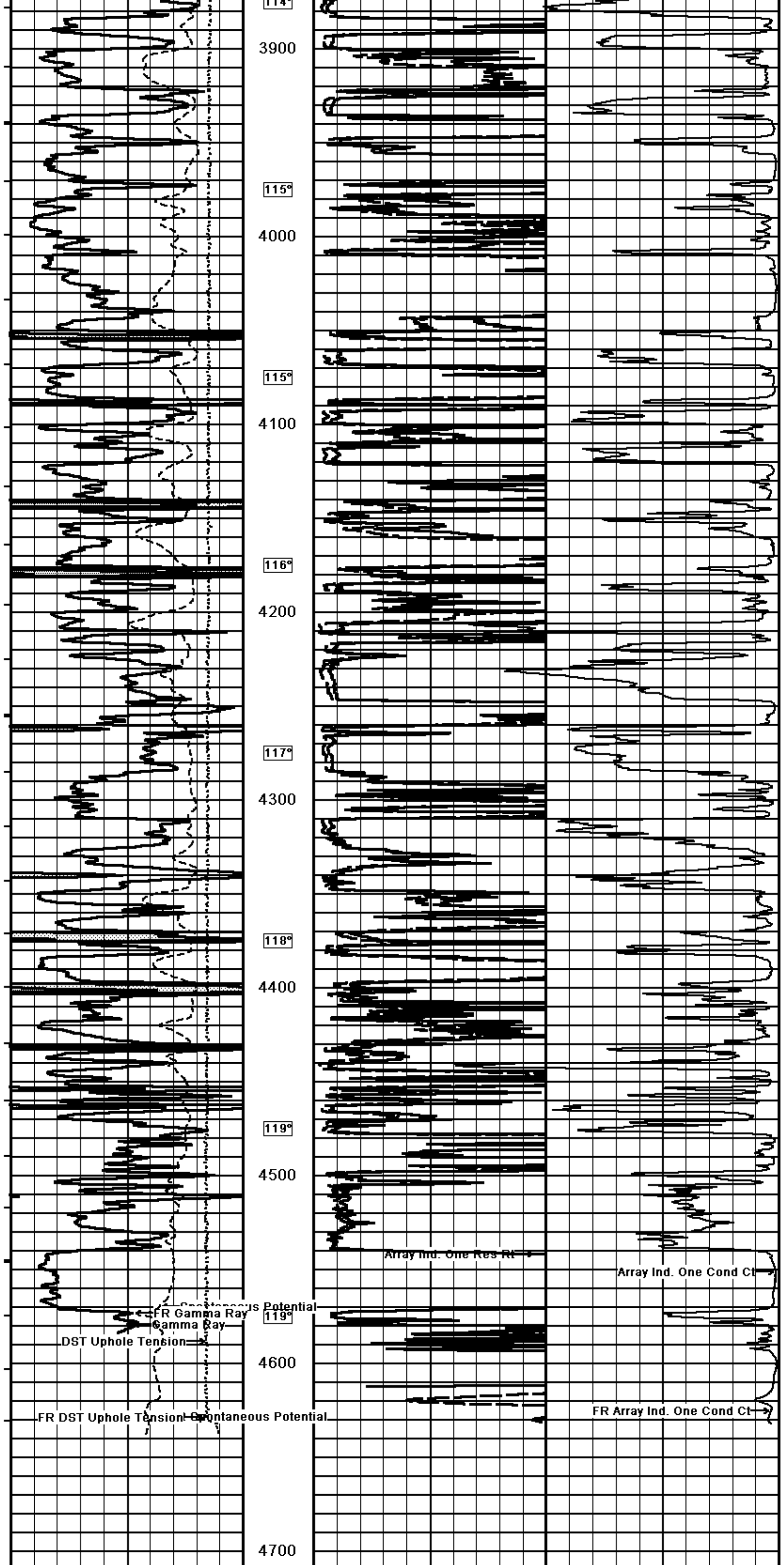
Timing Marks every 60.0 sec
Gamma Ray API 0 75 150 / 150 225 300
Spontaneous Potential millivolts – 20 +
DST Uphole Tension pounds 5000 0
Depth In Feet
Borehole Temp in deg F
Replay Scale 1:600
Array Ind. One Cond Ct mmhos 1000 750 500 250 0 / 2000 1750 1500 1250 1000
Shallow FE ohm metres 0 25 50
Array Ind. One Res Rt ohm metres 0 25 50




600
95°
700
96°
800
Array Ind. One Res Rt
Array Ind. One Cond Ct
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
98°
900
99°
1000
99°
1100
100°
1200
101°
1300
101°
1400
102°
1500
Array Ind. One Res Rt
103°
Array Ind. One Cond Ct
Shallow FE
Spontaneous Potential
1600
Gamma Ray
DST Uphole Tension


1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
Array Ind. One Res Rt
Array Ind. One Cond Ct
Spontaneous Potential
Gamma Ray
DST Uphole Tension


2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
Array Ind. One Res Rt
Array Ind. One Cond Ct
Spontaneous Potential
Gamma Ray
DST Uphole Tension



Depth
In
Feet

Array Ind. One Cond Ct
mmhos
1000 750 500 250 0
2000 1750 1500 1250 1000

Timing Marks
every 60.0 sec

Gamma Ray
API
0 75 150
150 225 300

Borehole
Temp in
deg F

Shallow FE
ohm metres
0 25 50

Spontaneous Potential
millivolts
−→| 20 |←+

Array Ind. One Res Rt
ohm metres
0 25 50

DST Uphole Tension
pounds
5000 0

Replay
Scale
1:600

Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Minimus 13.02.6600\Data\Shakespeare Parsons #2...\Shakespeare Parsons #2-27_002.dta
System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

Plotted on 28-SEP-2012 22:33
Recorded on 28-SEP-2012 20:00

1 INCH MAIN

COMPANY SHAKESPEARE OIL CO., INC.

COMPANY	SHAKESPEARE OIL CO., INC.
WELL	PARSONS #2-27
FIELD	WILDCAT
PROVINCE/COUNTY	GOVE
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	2848.00	feet	First Reading	4626.00	feet
Elevation Drill Floor	2846.00	feet	Depth Driller	4630.00	feet
Elevation Ground Level	2838.00	feet	Depth Logger	4629.00	feet

Weatherford

ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

March 17, 2025

Jeff Scarbrough
Shakespeare Oil Co., Inc.
202 W MAIN ST
SALEM, IL 62881-1519

Re: Plugging Application
API 15-063-22039-00-01
PARSONS 2-27
NW/4 Sec.27-13S-31W
Gove County, Kansas

Dear Jeff Scarbrough:

The Conservation Division has received your Well Plugging Application (CP-1).

Under K.A.R. 82-3-113(b)(2), you must notify DISTRICT 4 of your proposed plugging plan at least 5 days before plugging the well. DISTRICT 4's phone number is (785) 261-6250. Failure to notify DISTRICT 4, or failure to file a Well Plugging Record (CP-4) after the well is plugged will result in a penalty recommendation.

Under K.A.R. 82-3-600, you must file an Application for Surface Pit (CDP-1) if you wish to use a workover pit while plugging the well. Failure to timely file a CDP-1, failure to timely remove fluids, or failure to timely file Closure of Surface Pit (CDP-4) or Waste Transfer (CDP-5) forms will result in a penalty recommendation.

This receipt does NOT constitute authorization to plug this well if you do not otherwise have the legal right to do so.

This receipt is VOID after September 13, 2025. If the well is not plugged by then, you will have to submit a new CP-1 if you wish to plug the well.

The September 13, 2025 deadline does NOT override any compliance deadline given to you by Legal, District, or other Commission Staff. Failure to comply with any given deadline will still result in the Commission assessing penalties, or taking other legal action.

Sincerely,
Production Department Supervisor

cc: DISTRICT 4