



Weatherford[®]

**ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG**

COMPANY	MCCOY PETROLEUM CORPORATION		
WELL	PATTERSON-O'BRATE 'A' #2-17		
FIELD	WILDCAT		
PROVINCE/COUNTY	MEADE		
COUNTRY/STATE	U.S.A. / KANSAS		
LOCATION	1980' FNL & 1980' FWL		
SEC 17	TWP 30S	RGE 30W	Other Services
Latitude			MPD/MDN
Longitude			MML
API Number	15-119-21364		
Permanent Datum GL, Elevation	2814 feet		
Log Measured From	KB		
Drilling Measured From	KB		
Date	28-APR-2014		
Run Number	ONE		
Service Order	4558-85851716		
Depth Driller	5700.00	feet	Elevations: KB 2825.00
Depth Logger	5700.00	feet	DF 2823.00
First Reading	5697.00	feet	GL 2814.00
Last Reading	1826.00	feet	
Casing Driller	1827.00	feet	
Casing Logger	1826.00	feet	
Bit Size	7.875	inches	
Hole Fluid Type	CHEMICAL		
Density / Viscosity	9.20 lb/USg	56.00 CP	
PH / Fluid Loss	10.50	8.80 ml/30Min	
Sample Source	FLOWLINE		
Rm @ Measured Temp	0.99 @ 79.0	ohm-m	
Rmf @ Measured Temp	0.79 @ 79.0	ohm-m	
Rmc @ Measured Temp	1.19 @ 79.0	ohm-m	
Source Rmf / Rmc	CALC	CALC	
Rm @ BHT	0.65 @ 121.0	ohm-m	
Time Since Circulation	5 HOURS		
Max Recorded Temp	121.00	deg F	
Equipment / Base	13096	LIB	
Recorded By	ADAM SILL		
Witnessed By	DAVE WILLIAMS		
JOB #	LB14-130		

BOREHOLE RECORD			Last Edited: 28-APR-2014 02:56
Bit Size inches	Depth From feet	Depth To feet	
7.875	1827.00	5700.00	
CASING RECORD			
Type	Size inches	Depth From feet	Shoe Depth feet
SURFACE	8.625	0.00	1827.00
			Weight pounds/ft
			24.00

REMARKS

- SOFTWARE ISSUE: WLS 13.08.2113

- TOOL STRING: MCG, MML, MDN, MPD, MFE, MAI RUN IN COMBINATION

- HARDWARE: DUAL BOWSPRING ECCENTRALIZER 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: 1510 CU. FT.

- ANNULAR HOLE VOLUME WITH 5.5 INCH CASING FROM TD TO 4000 FEET: 289 CU. FT.

- RIG: STERLING #2.

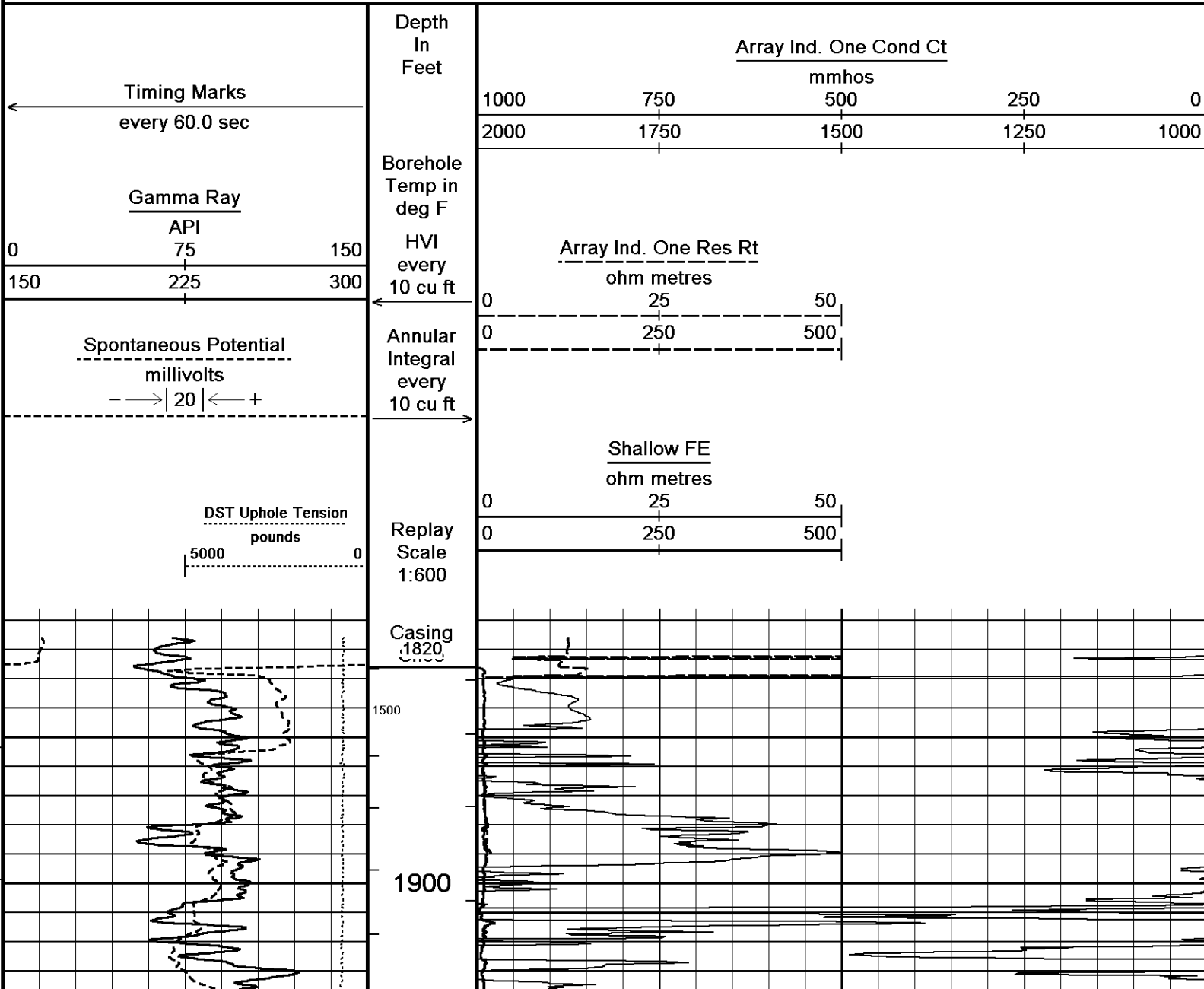
- ENGINEER: A. SILL.

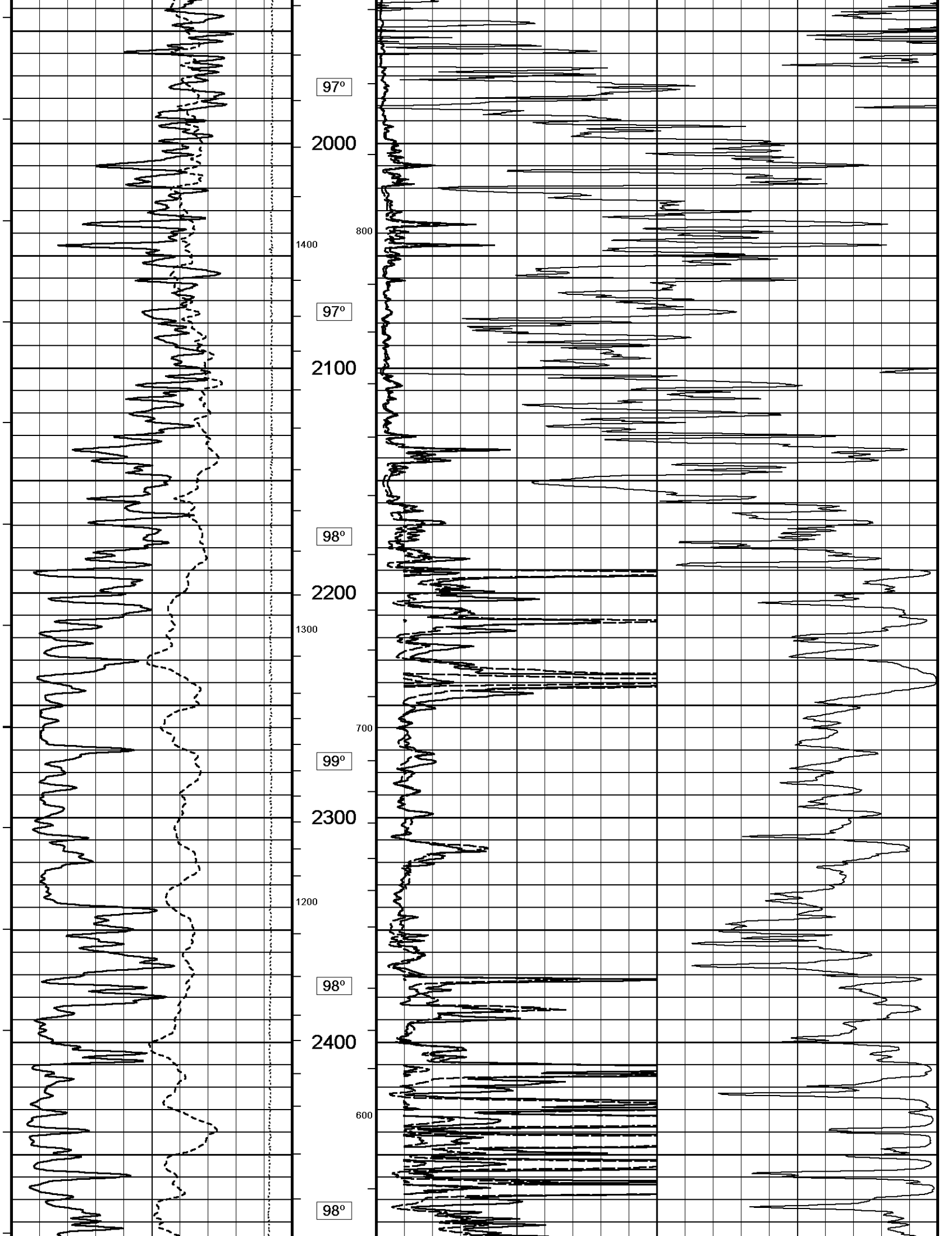
- OPERATORS: J. LaPOINT.

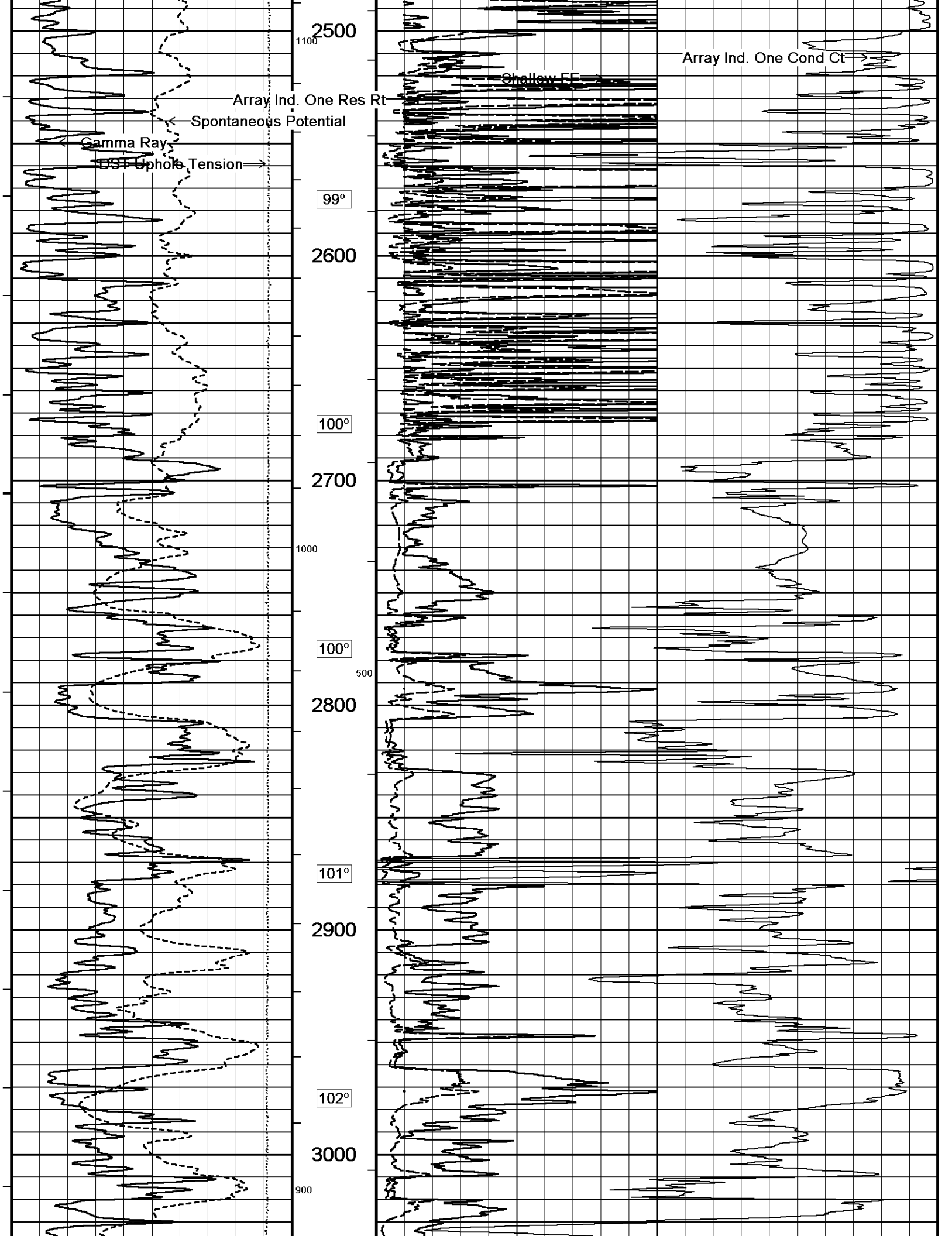
In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.

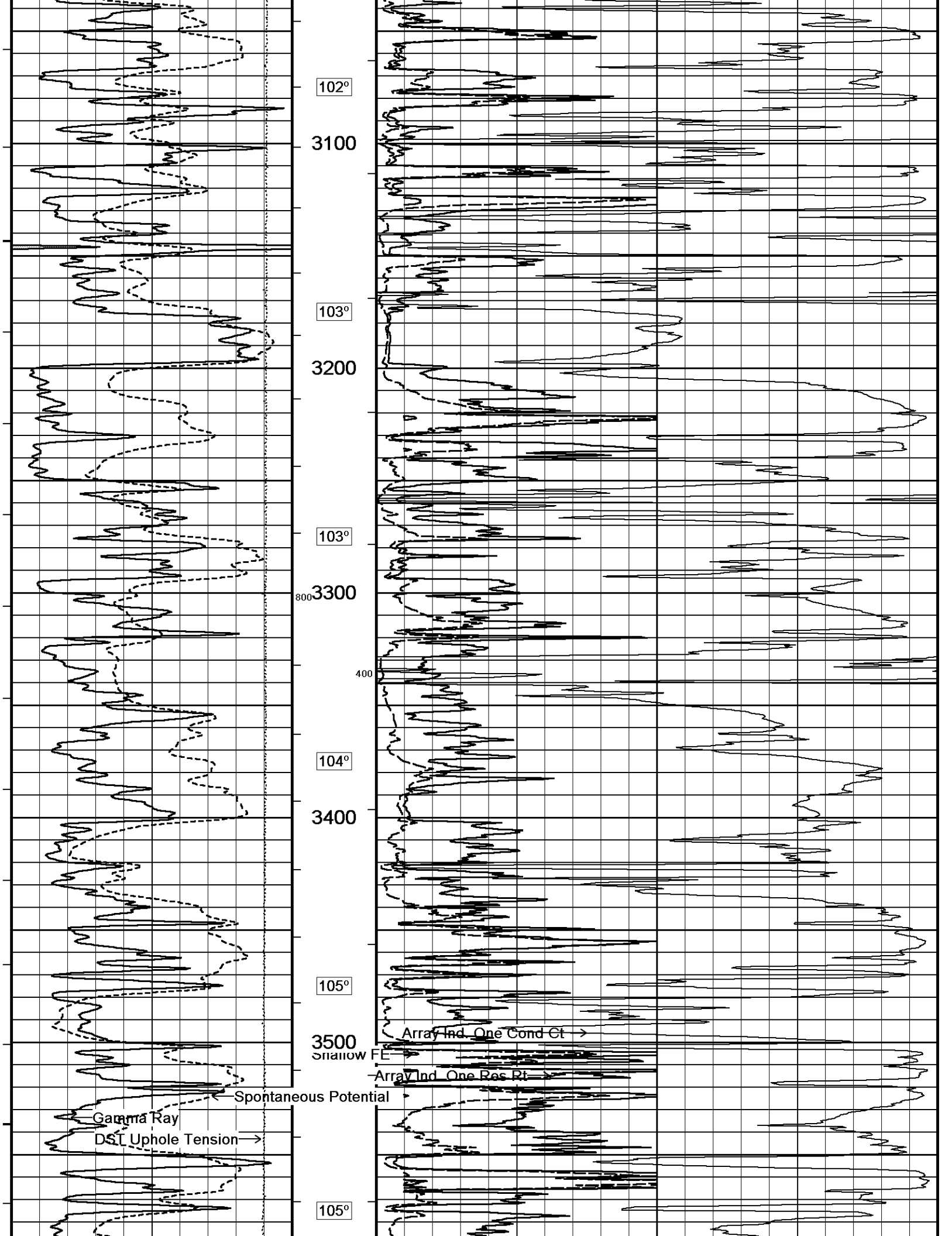
2 INCH MAIN

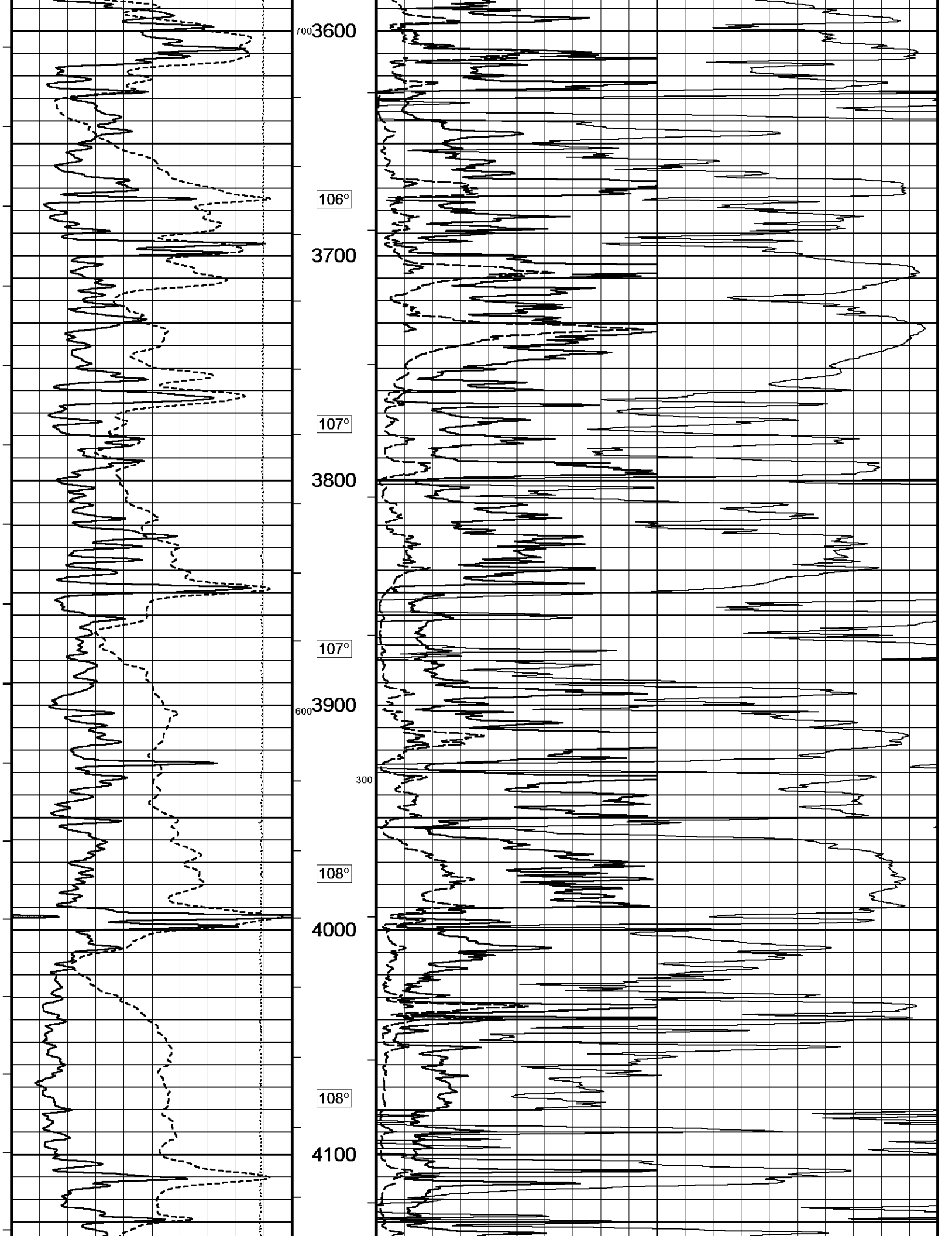
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 System Versions: Logged with 13.08.2113 Plotted with 13.08.2113

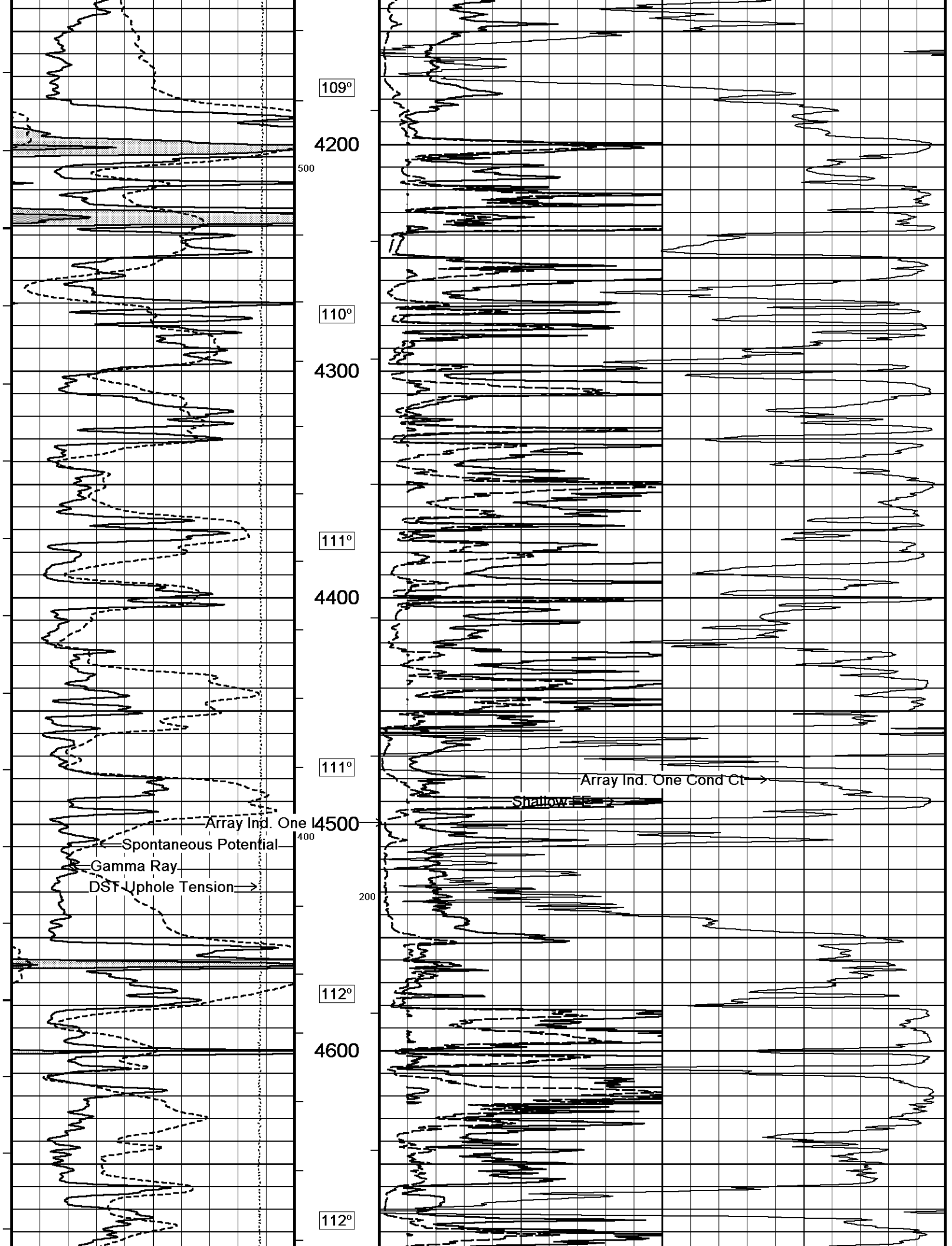


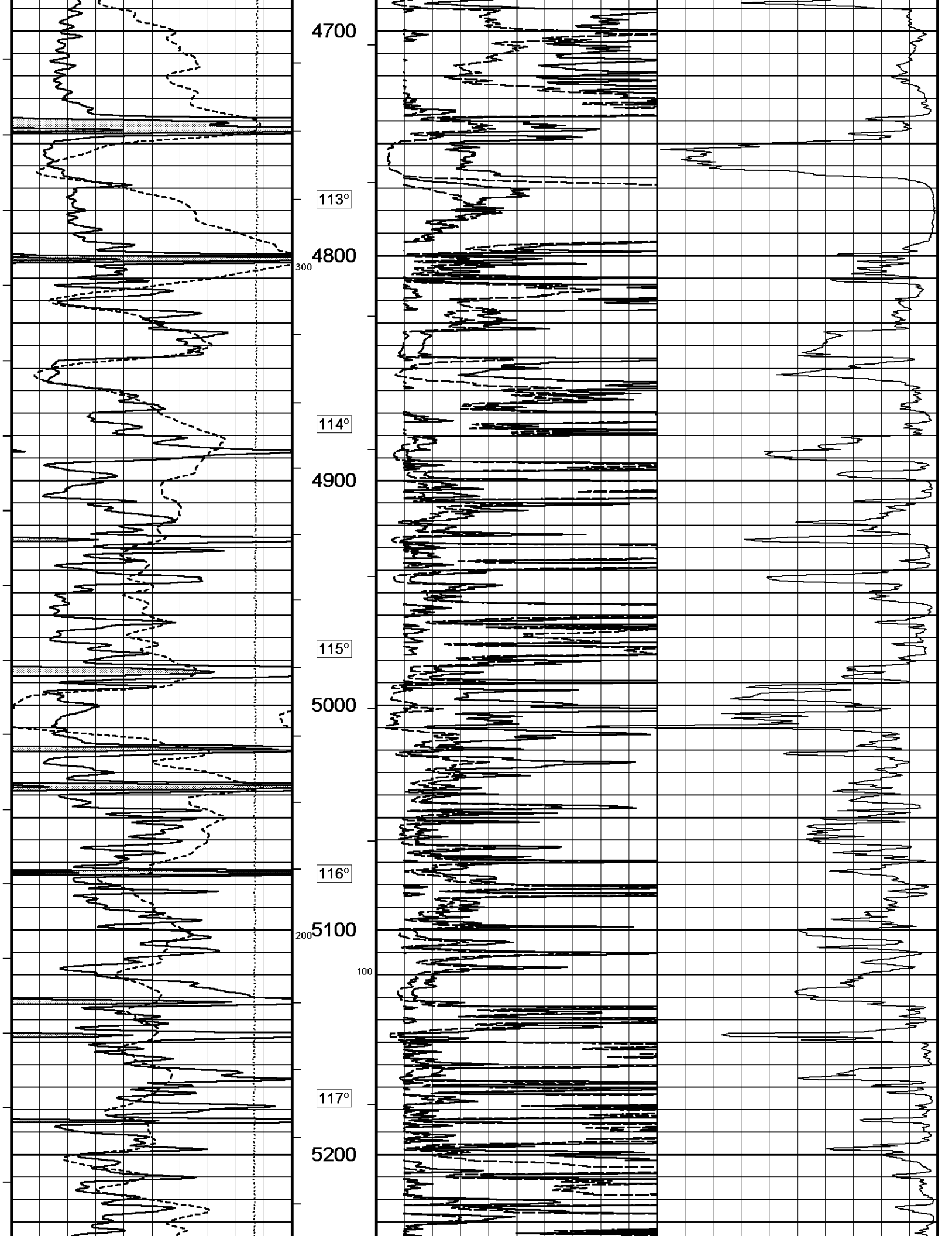


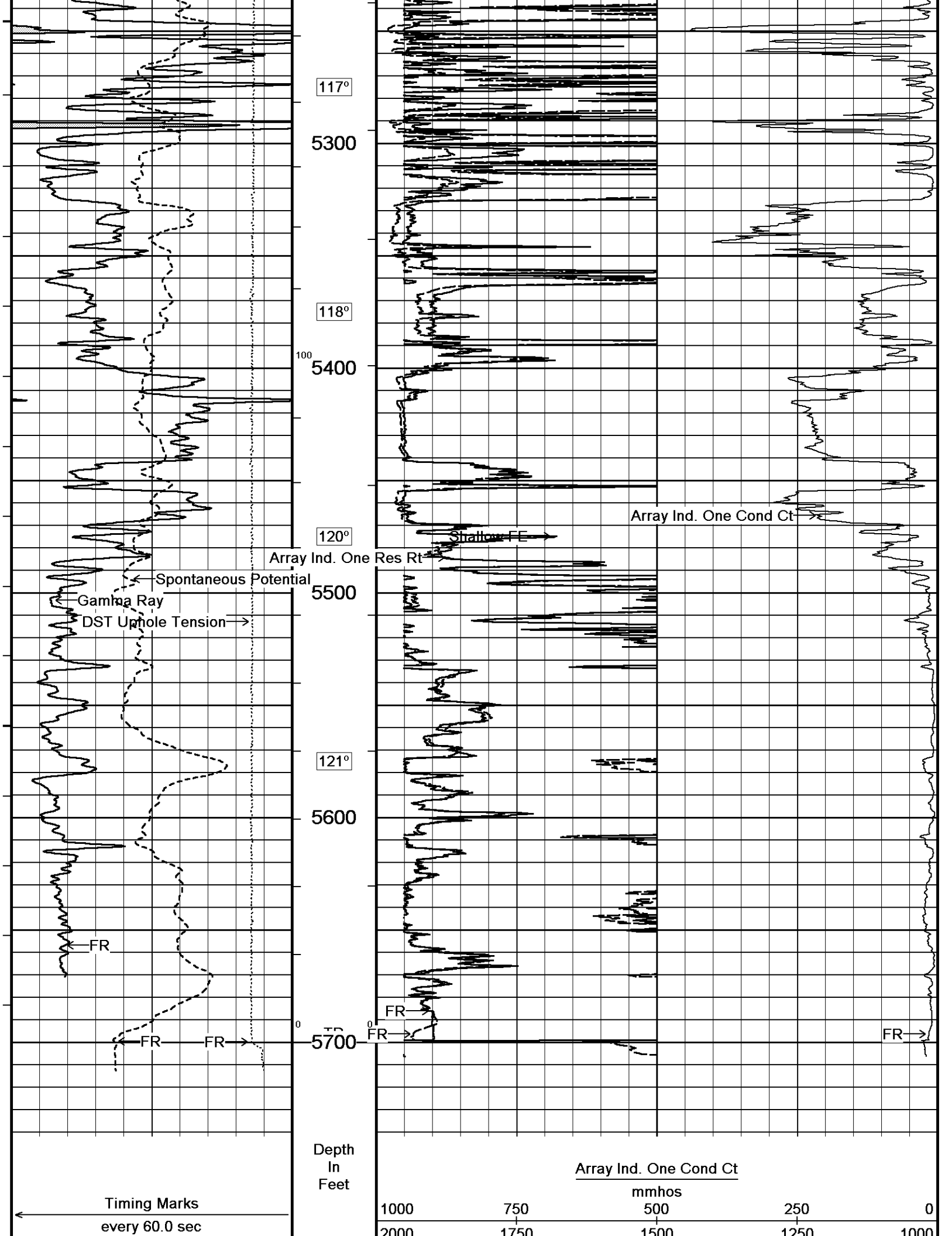


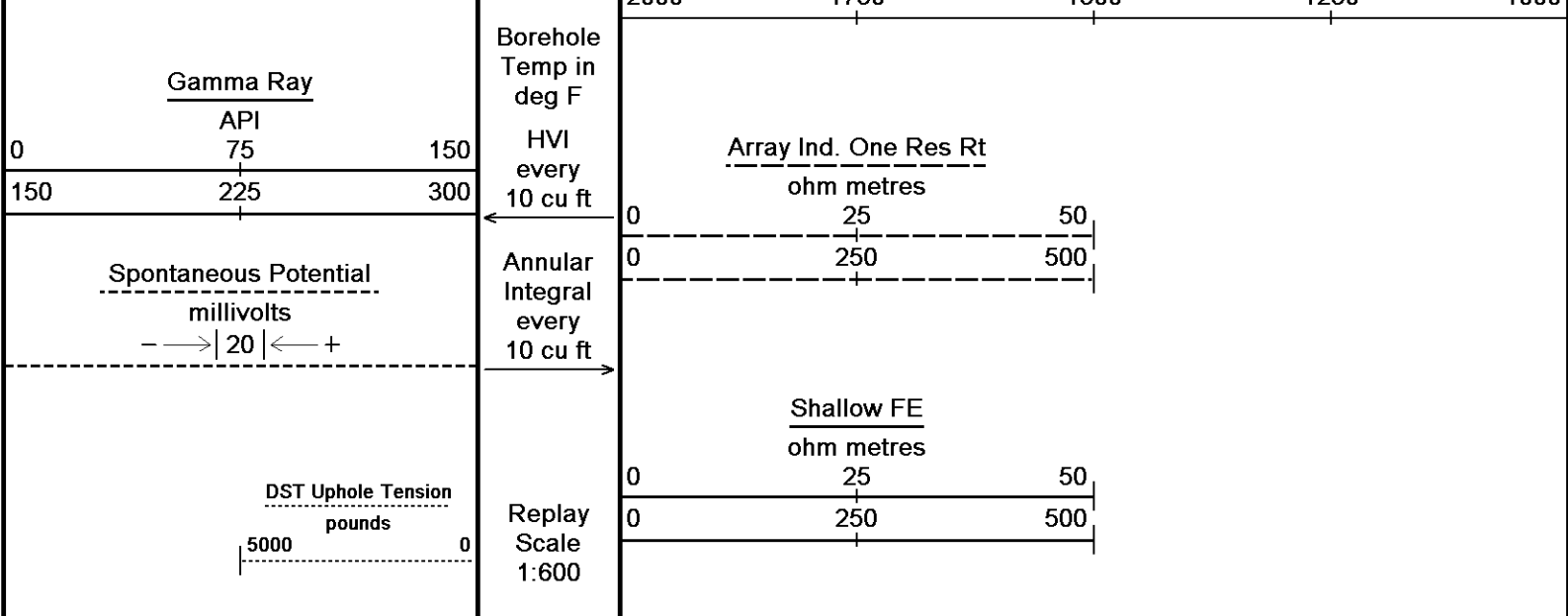










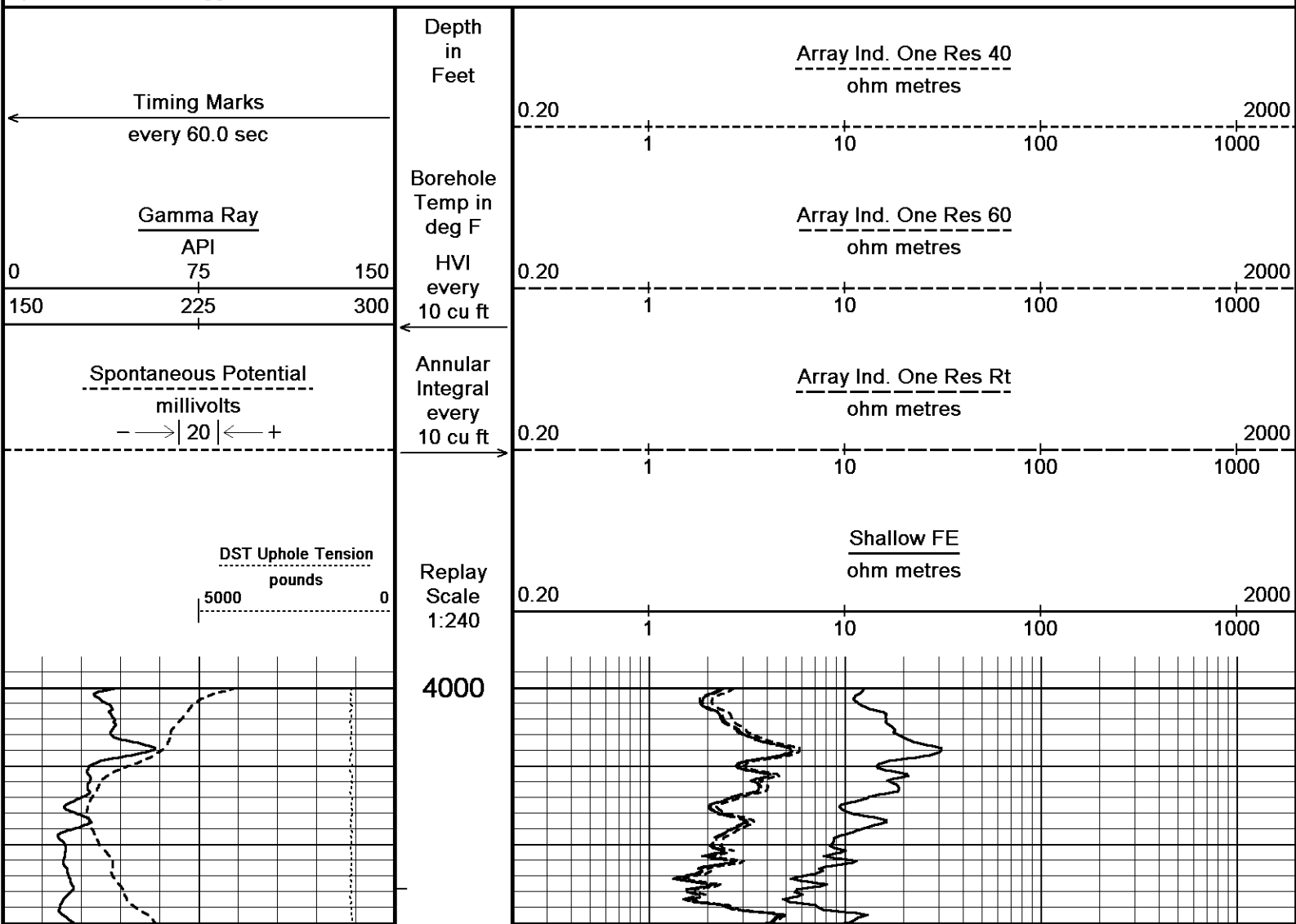


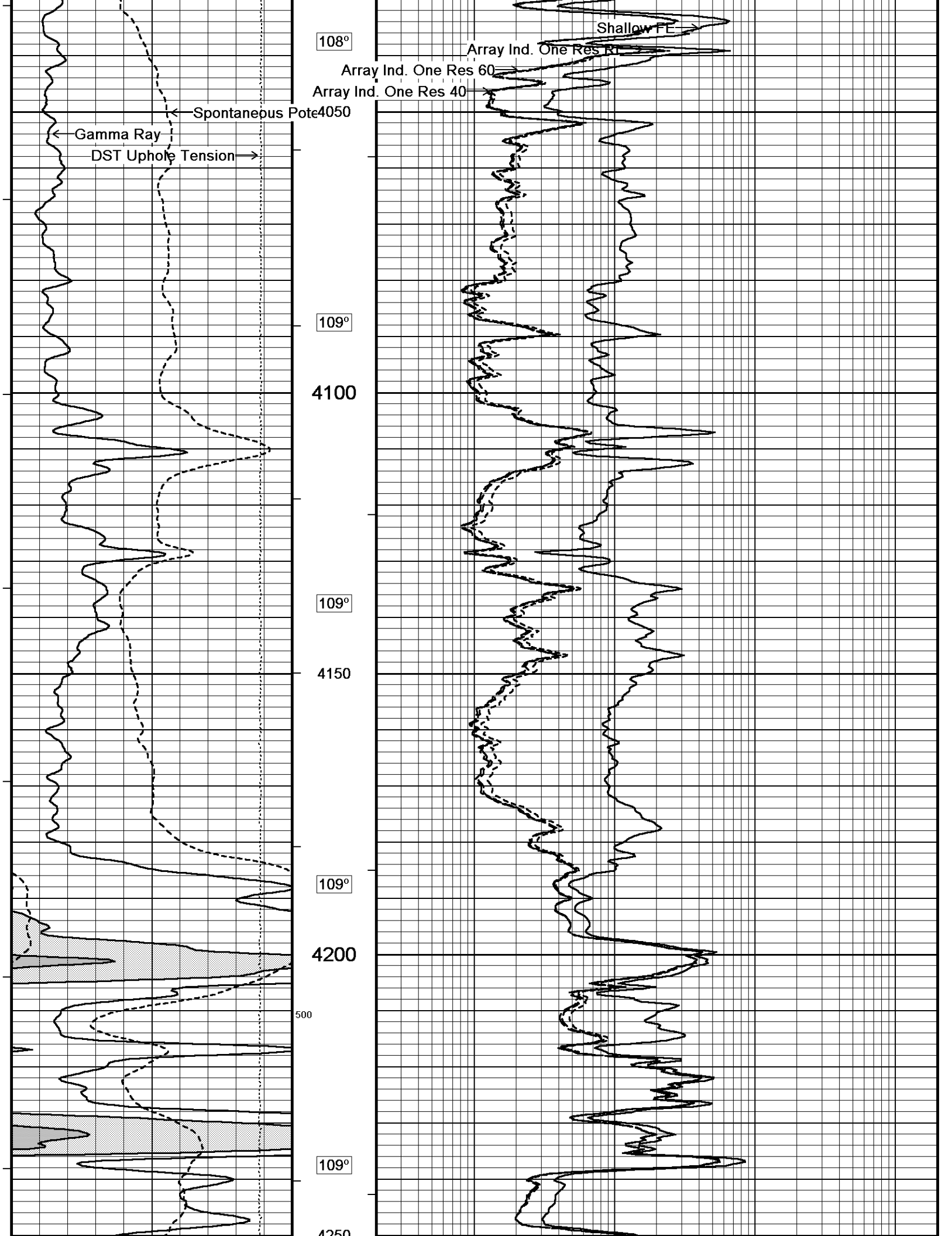
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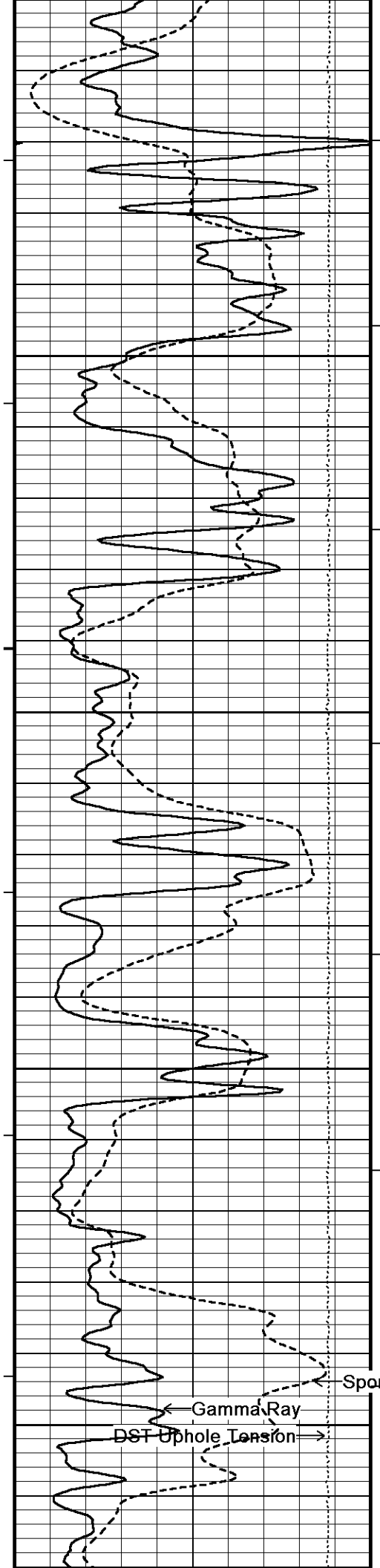
↑ **2 INCH MAIN** ↑

↓ **5 INCH MAIN** ↓

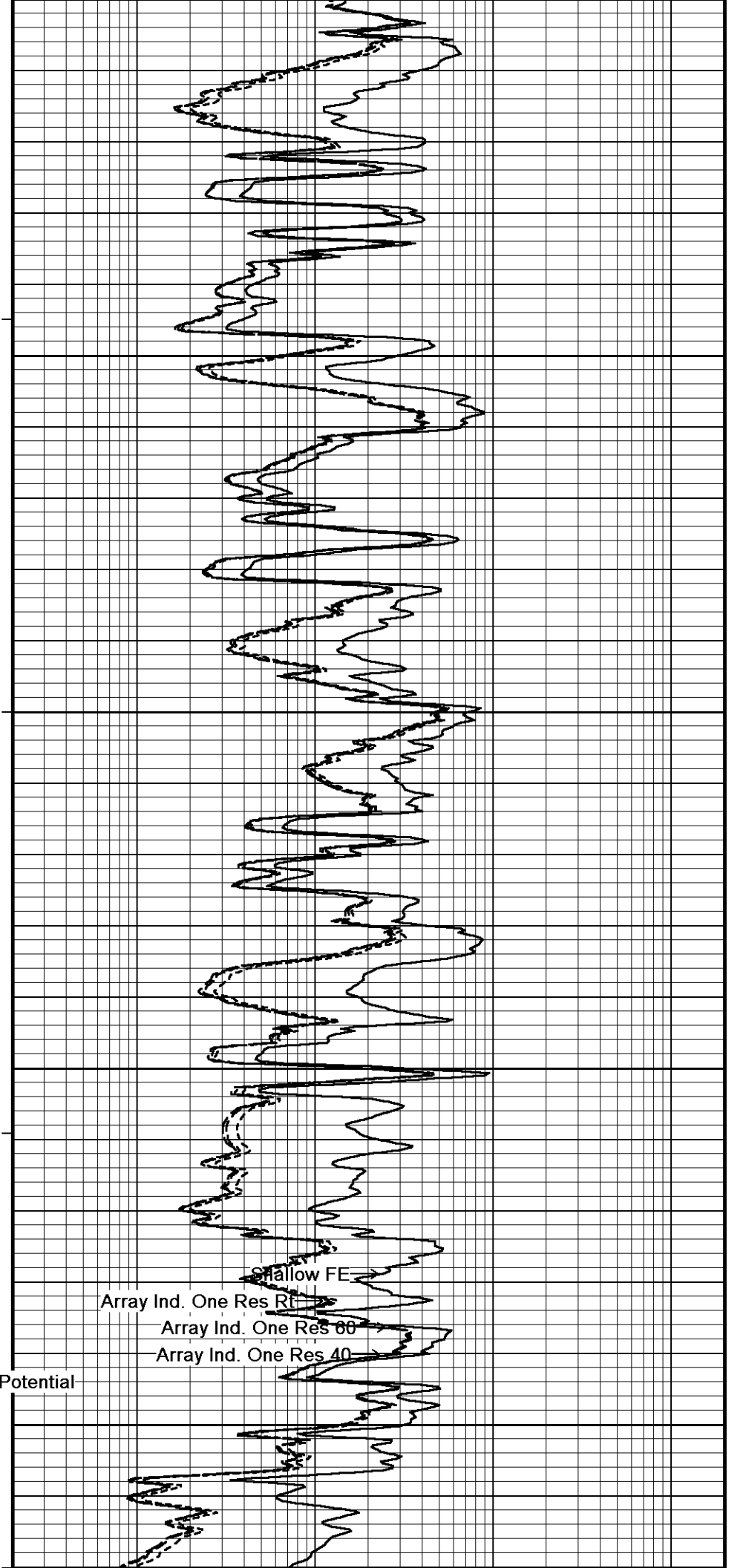
Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 28-APR-2014 07:44
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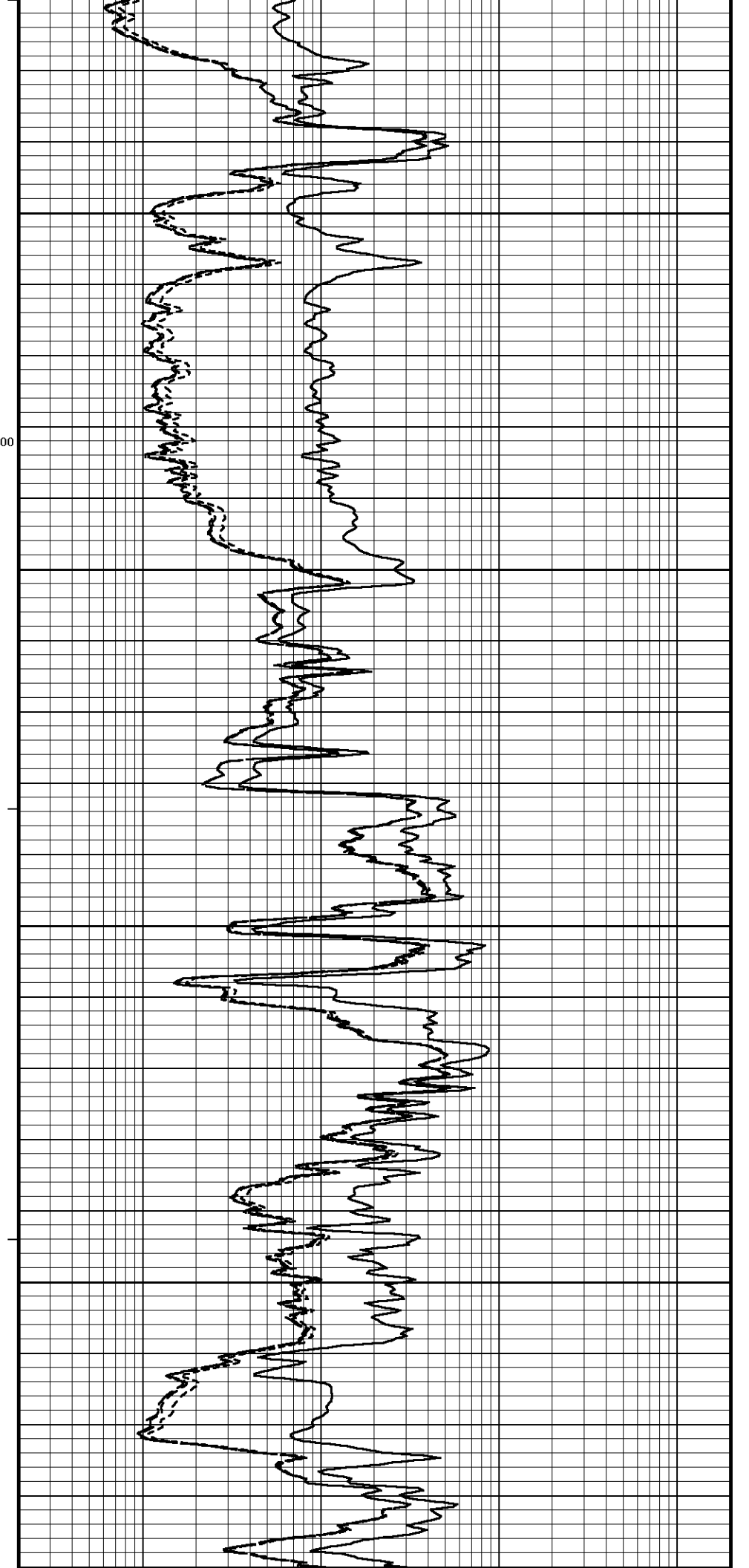
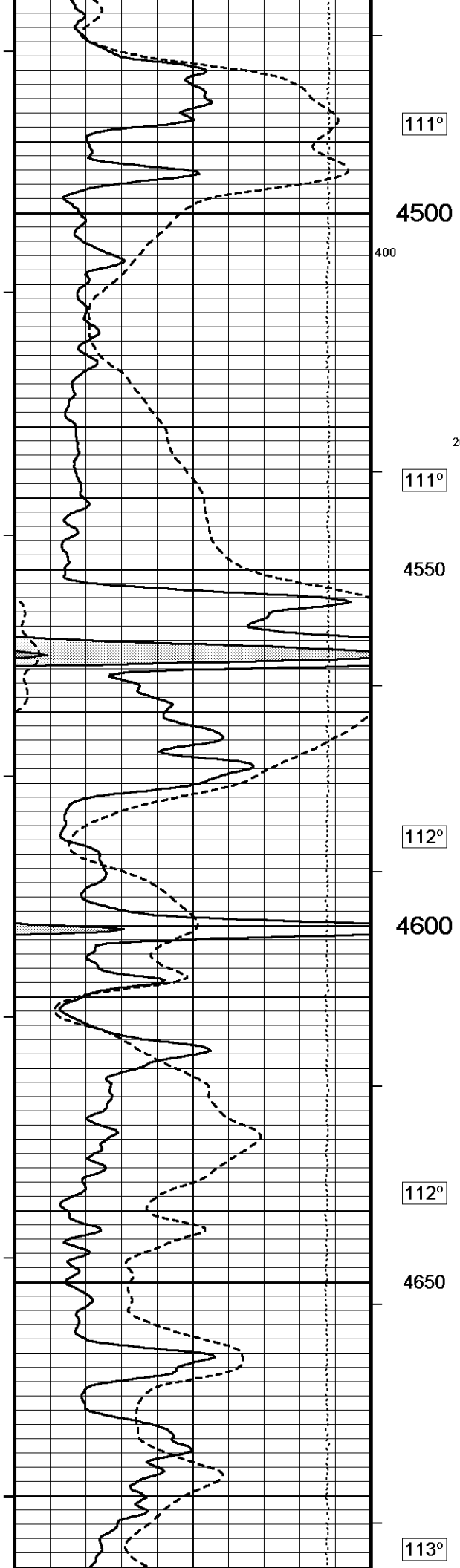
4250
110°
4300
110°
4350
111°
4400
111°
4450

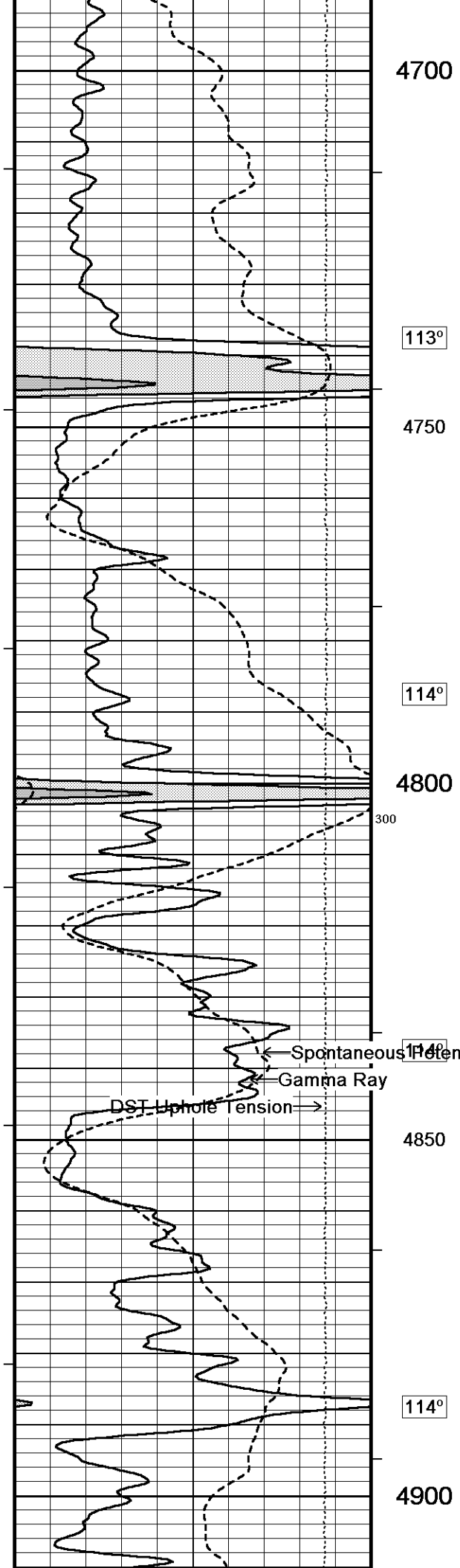


Shallow FE
Array Ind. One Res RT
Array Ind. One Res 60
Array Ind. One Res 40

Spontaneous Potential

← Gamma Ray
DST Uphole Tension →





4700

113°

4750

114°

4800

300

← Spontaneous Potential

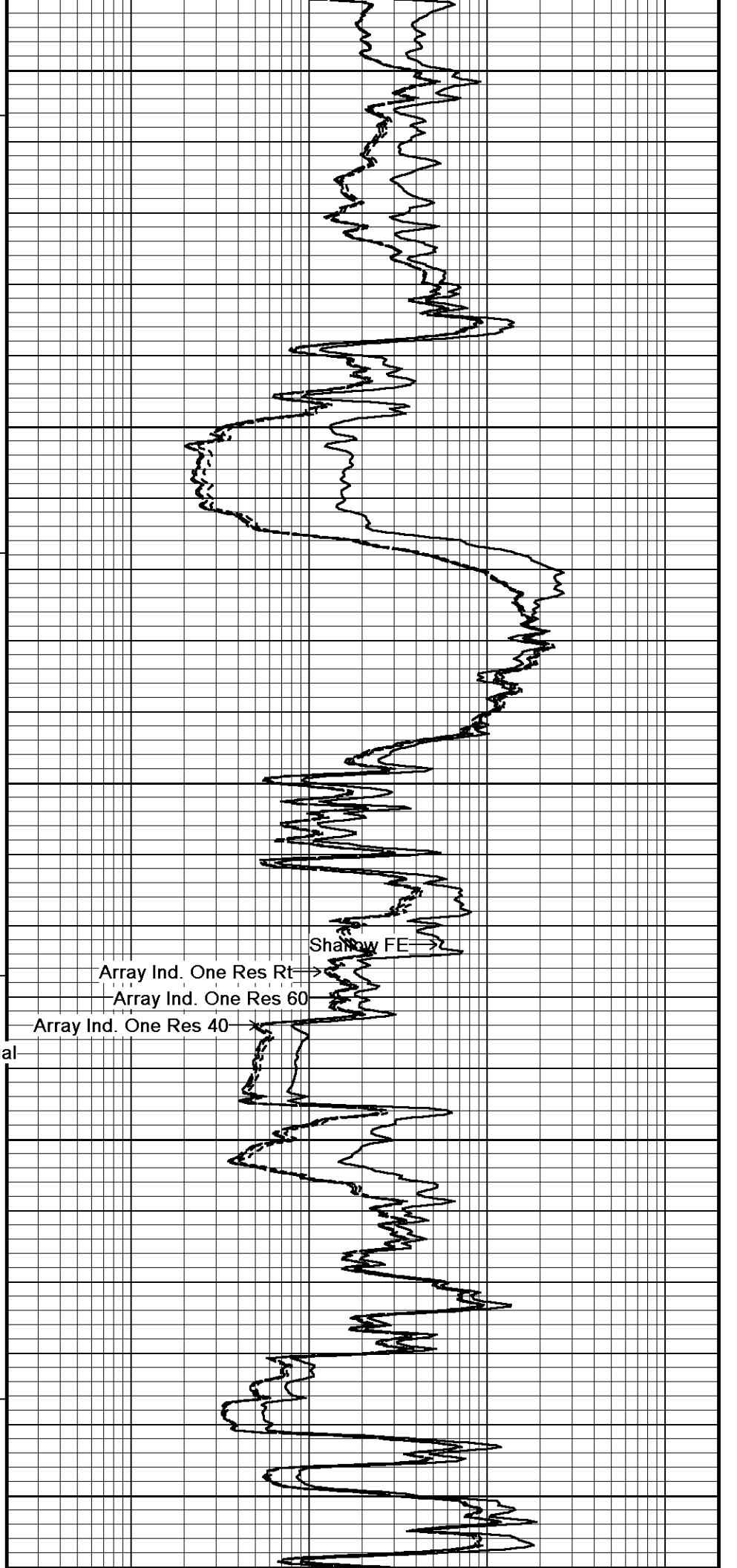
← Gamma Ray

DST Uphole Tension →

4850

114°

4900

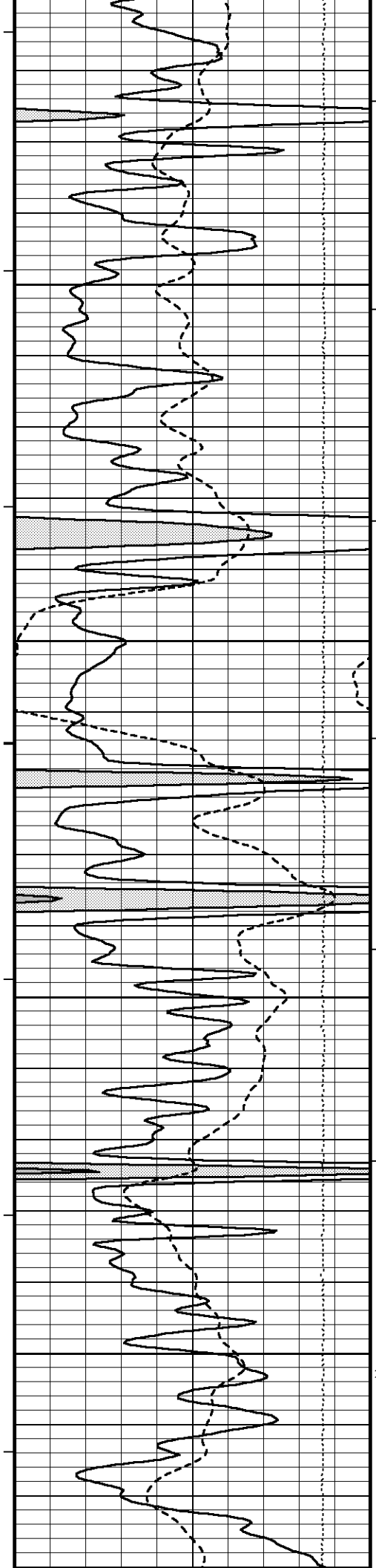


Shallow FE →

Array Ind. One Res Rt →

Array Ind. One Res 60

Array Ind. One Res 40 →



115°

4950

115°

5000

115°

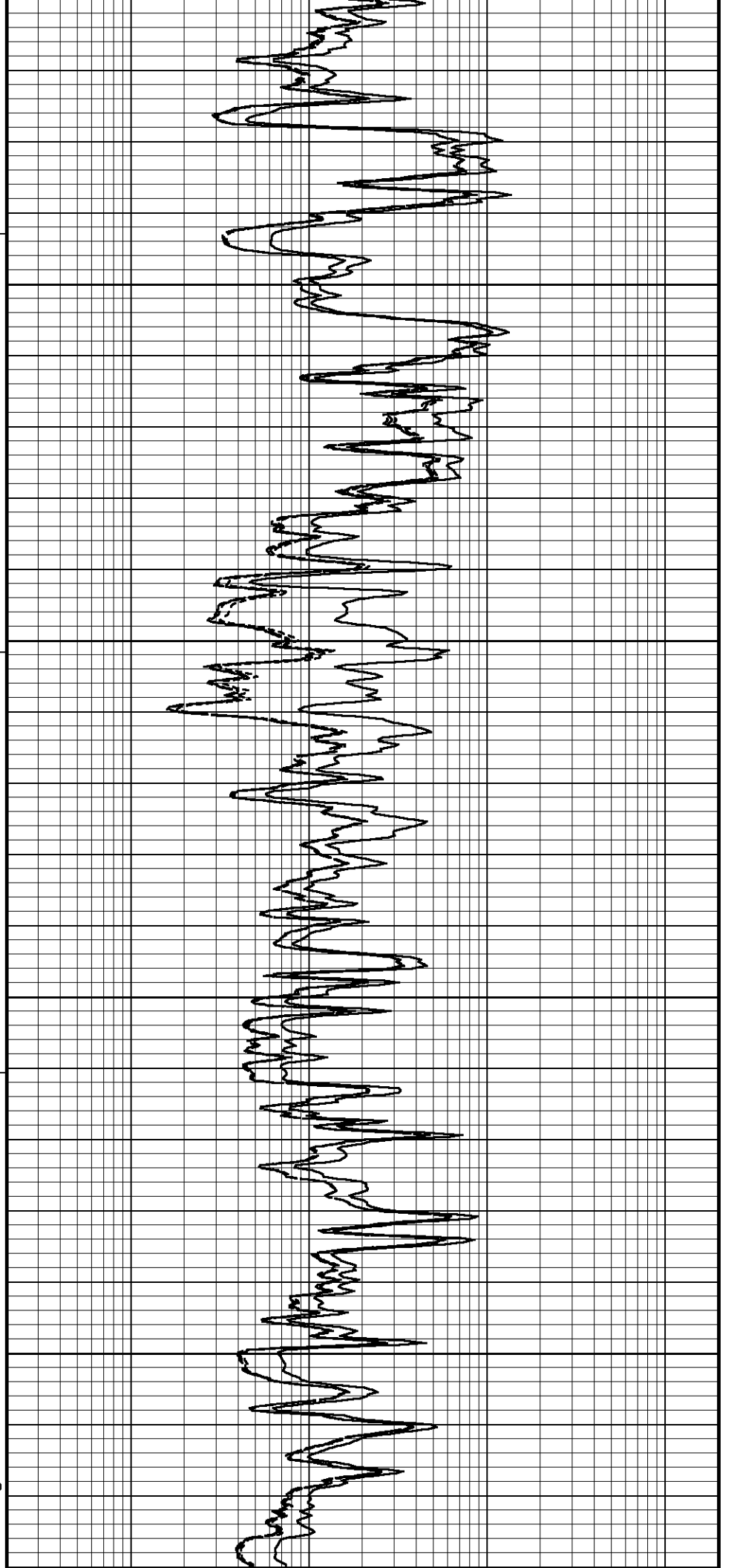
5050

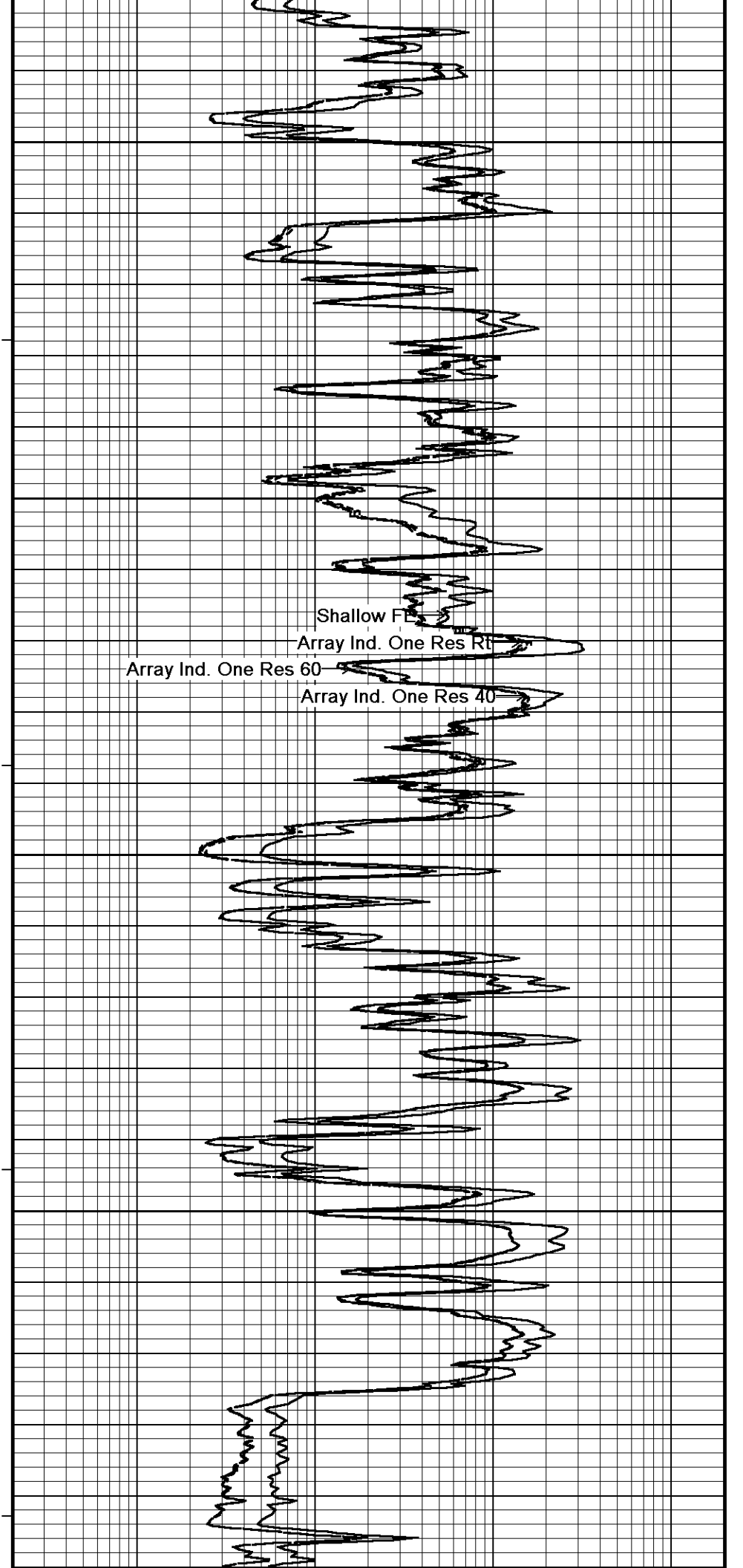
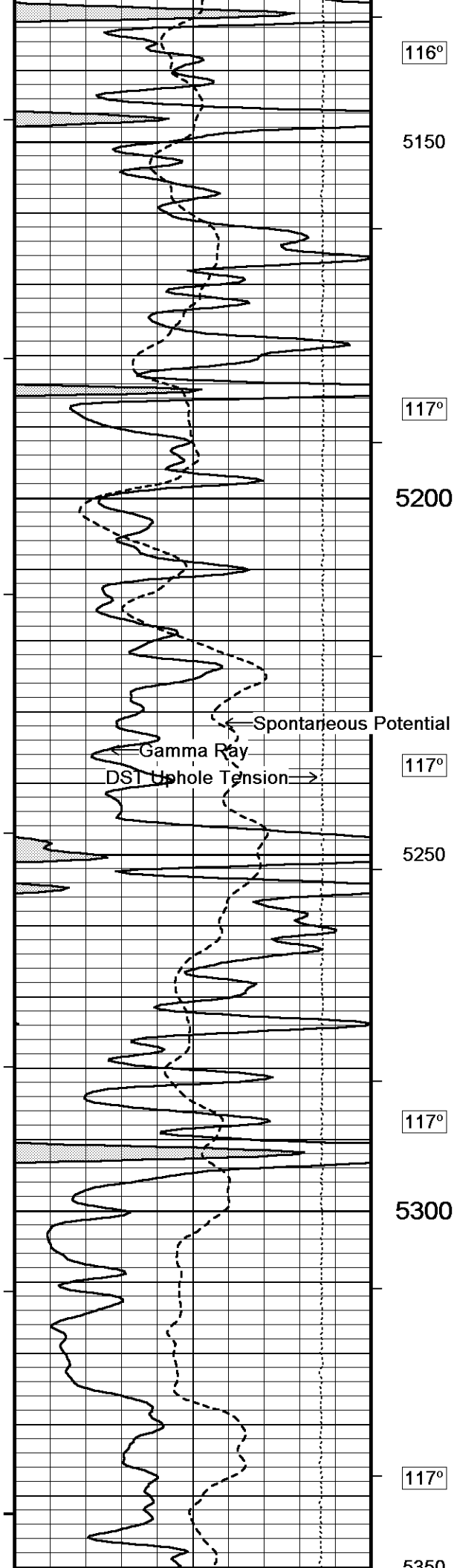
116°

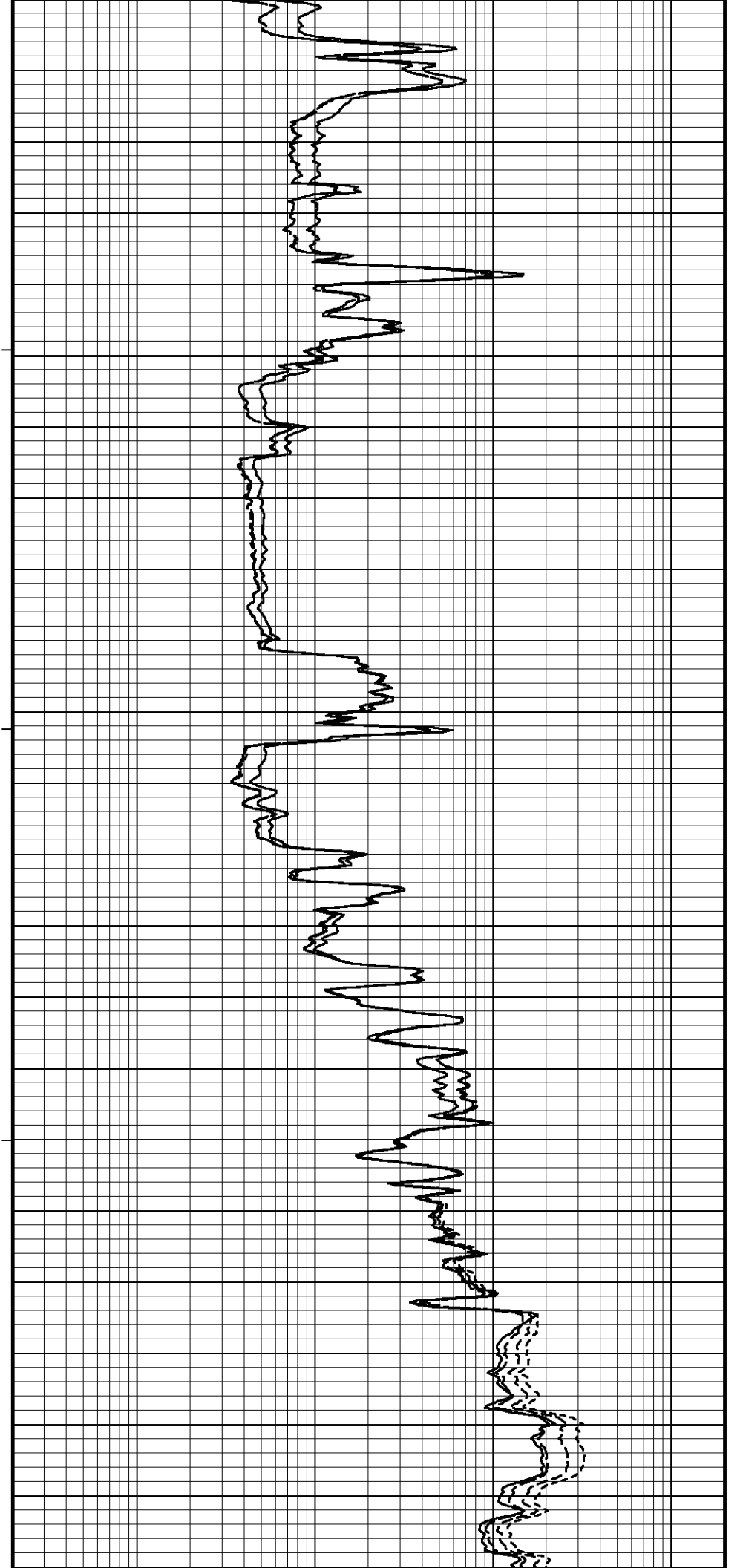
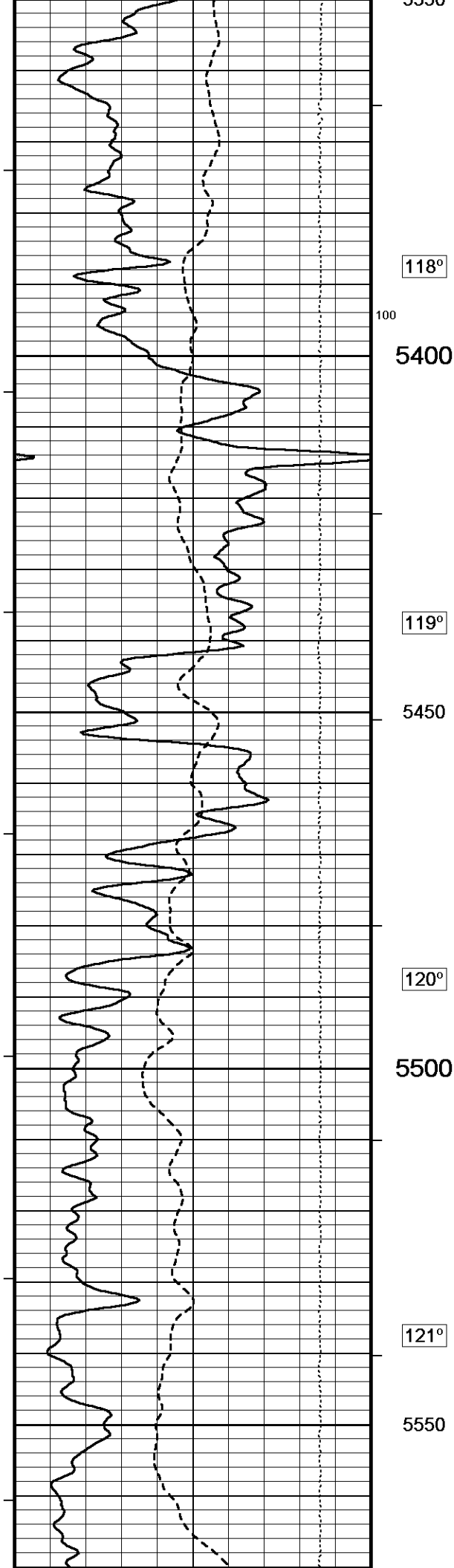
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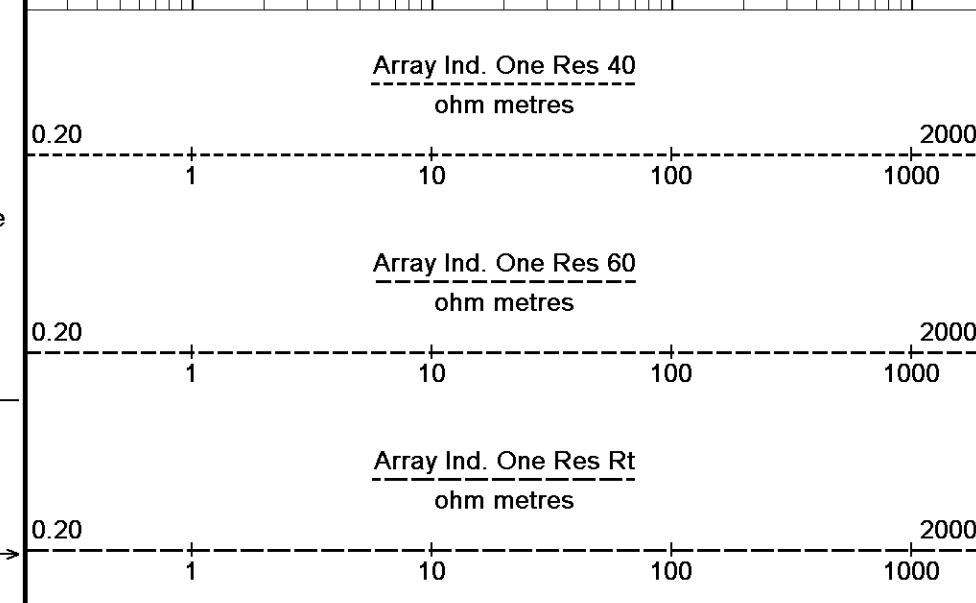
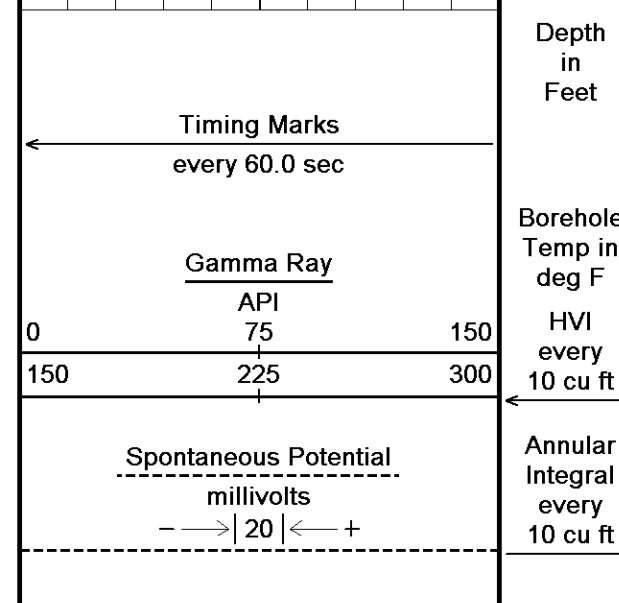
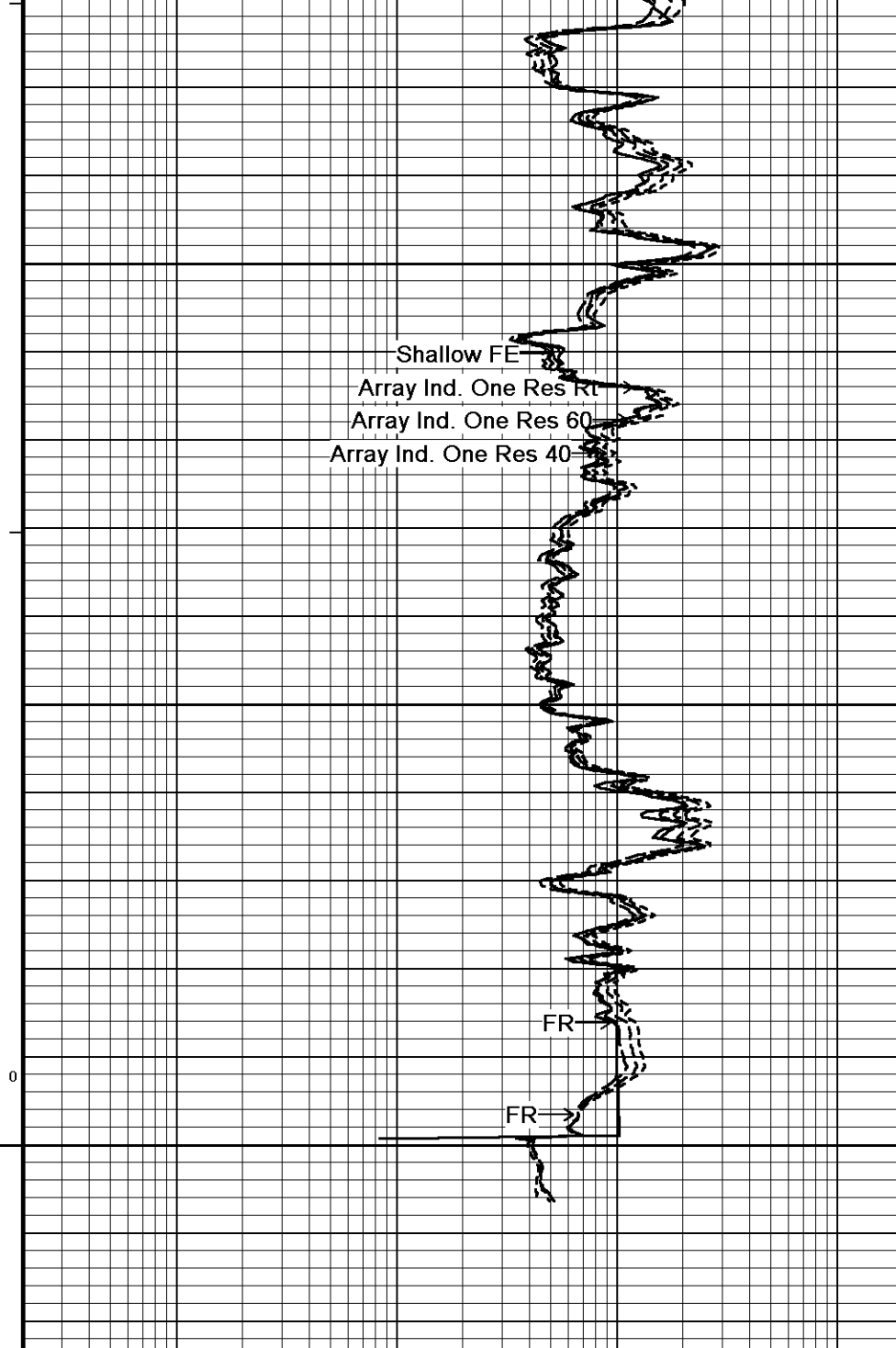
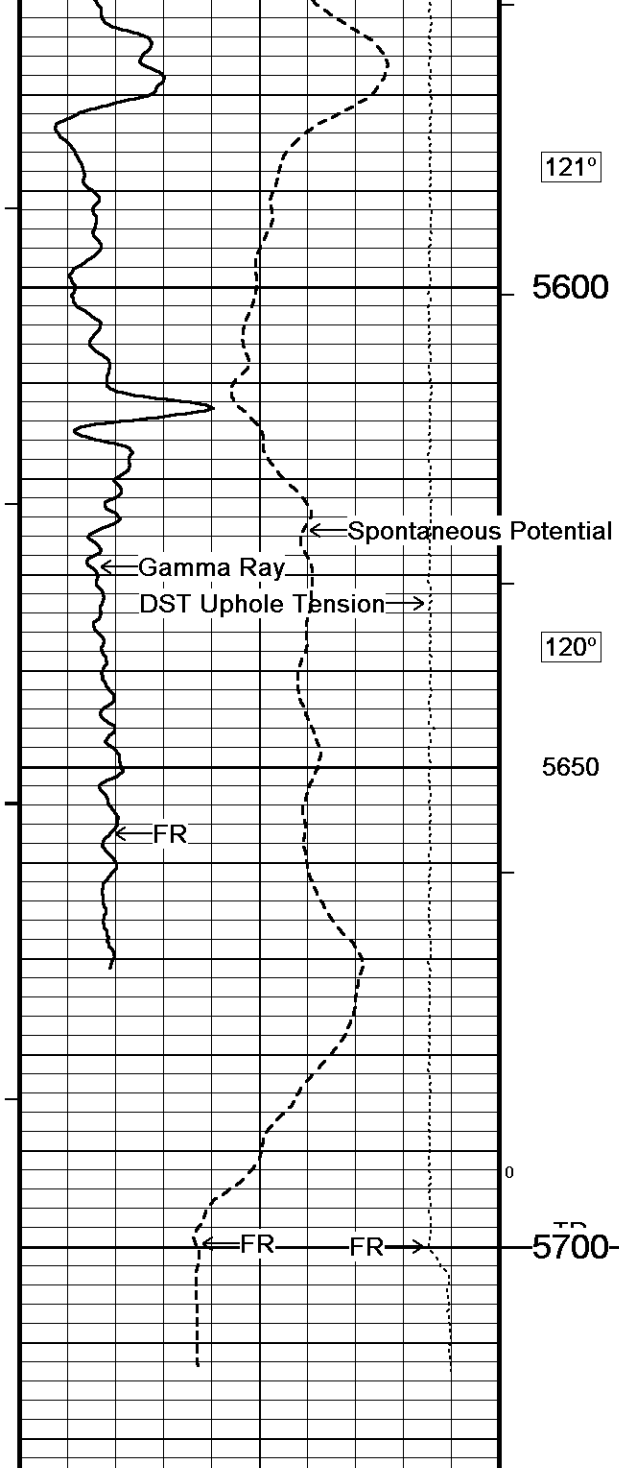
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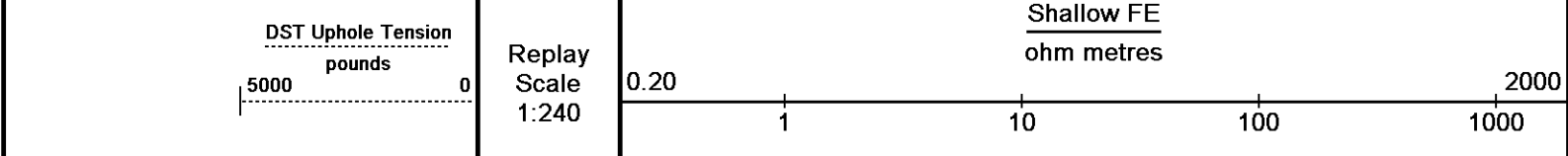
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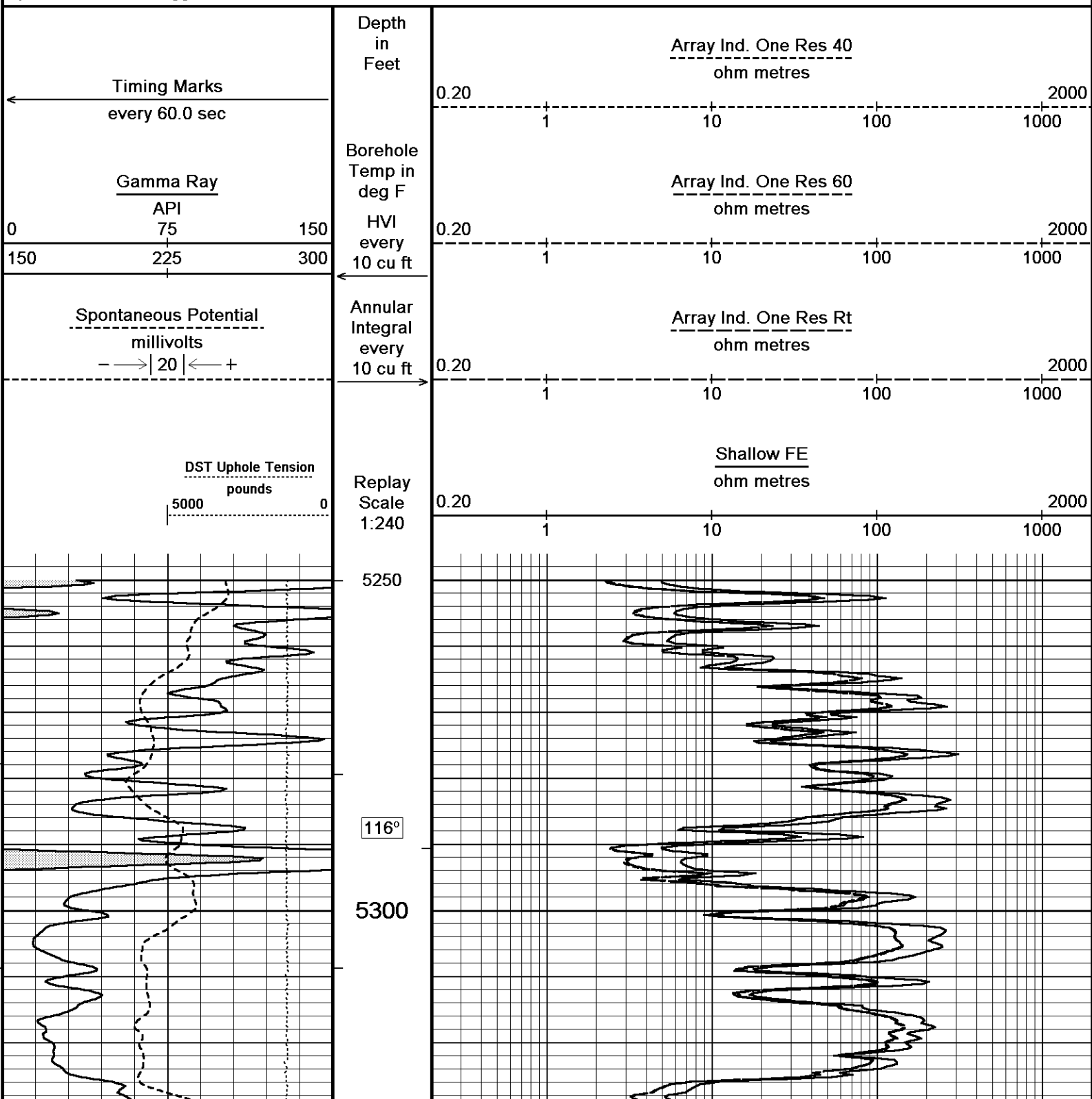


Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 28-APR-2014 07:44
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↑ 5 INCH MAIN ↑

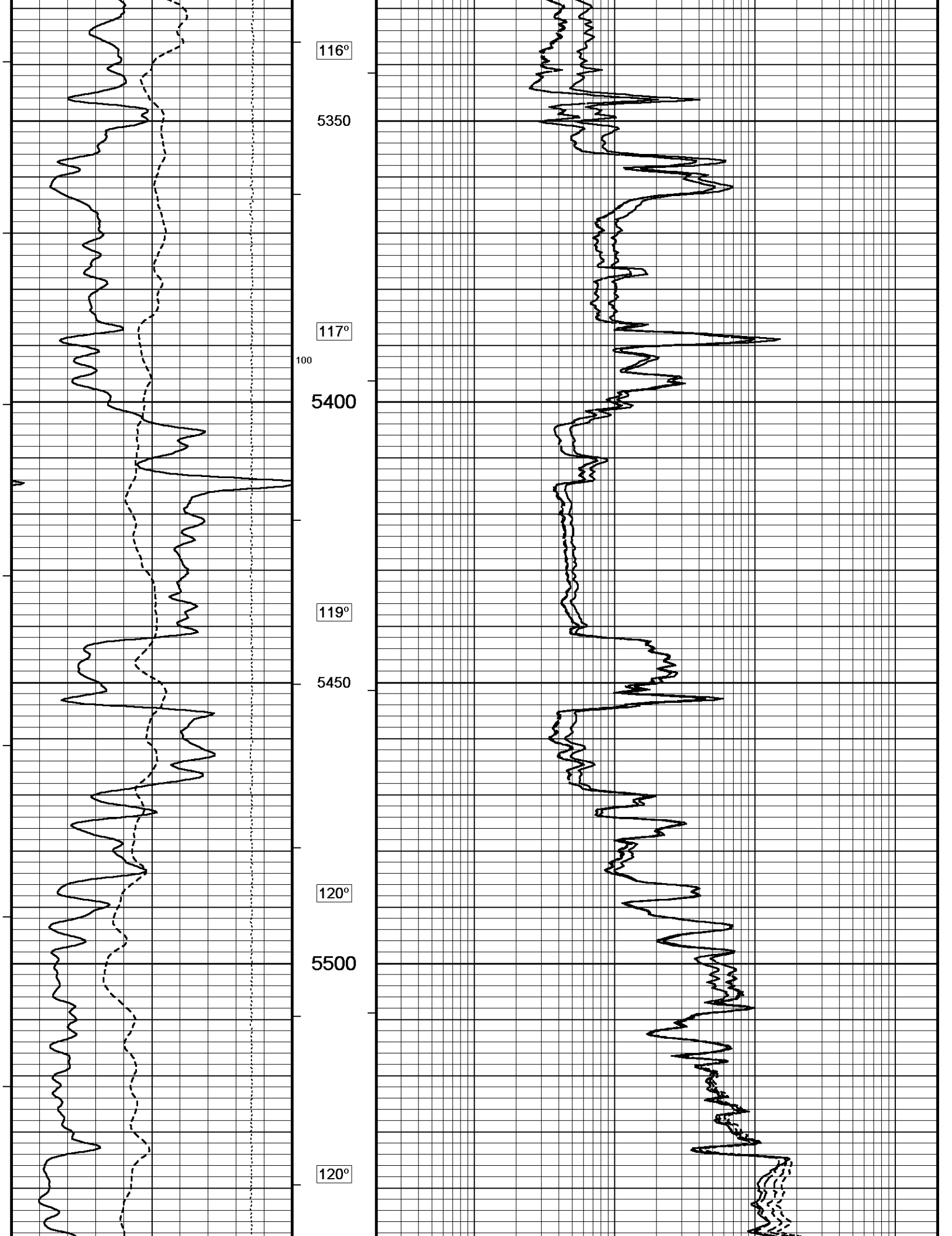
↓ REPEAT SECTION ↓

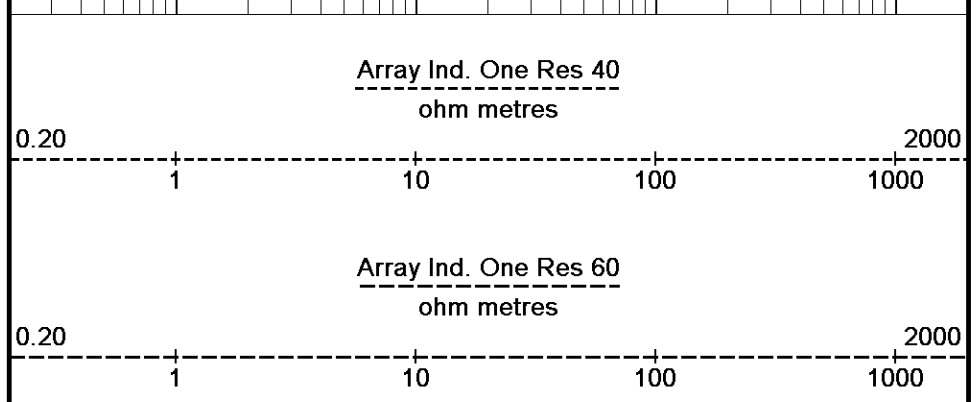
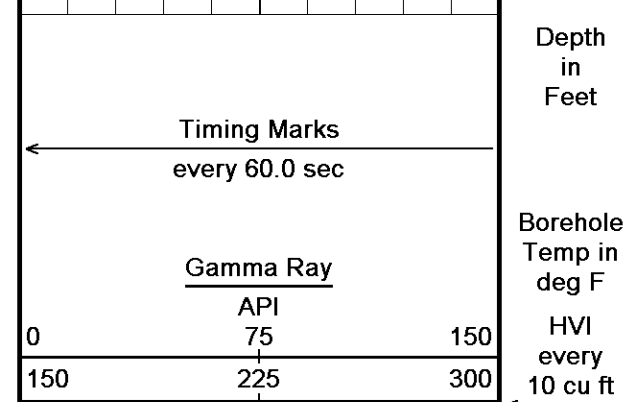
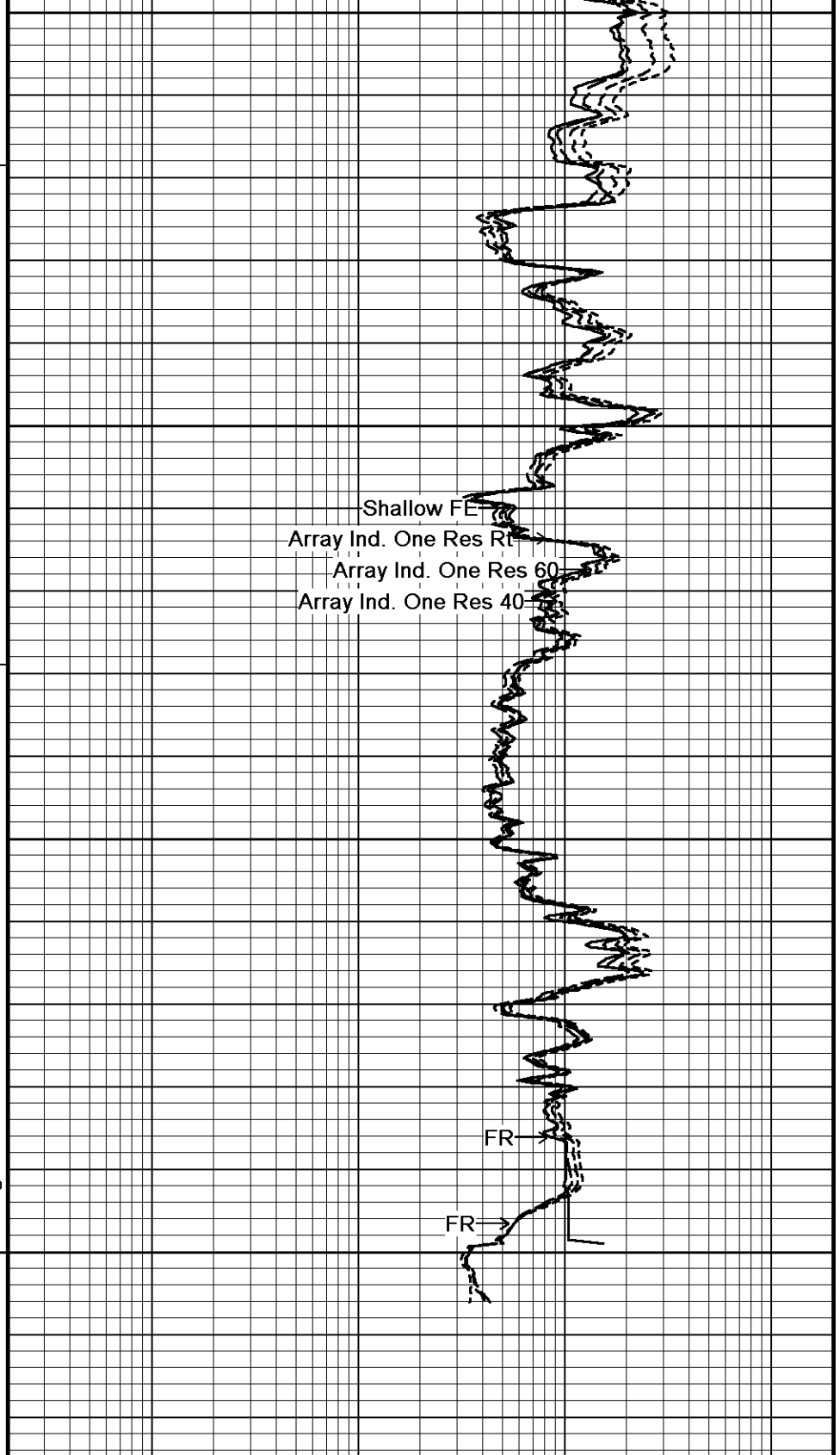
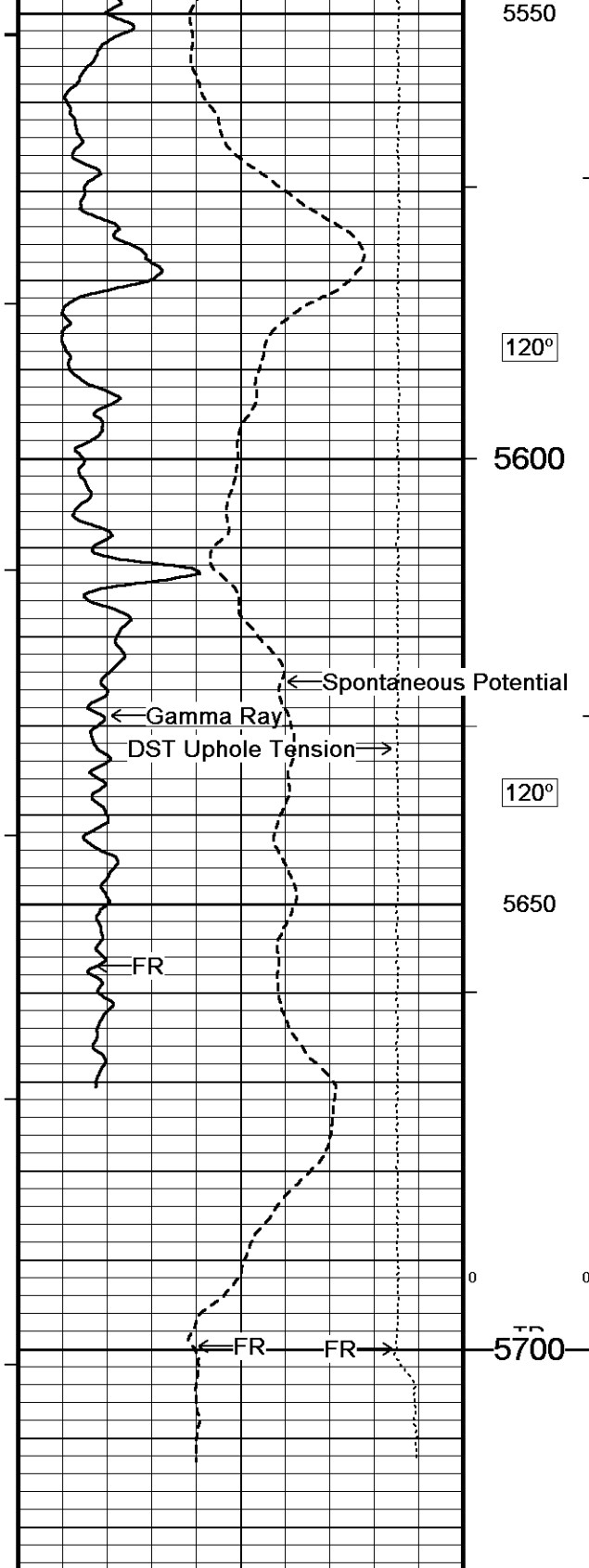
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 System Versions: Logged with 13.08.2113 Plotted with 13.08.2113



116°

5300





120°

5600

120°

5650

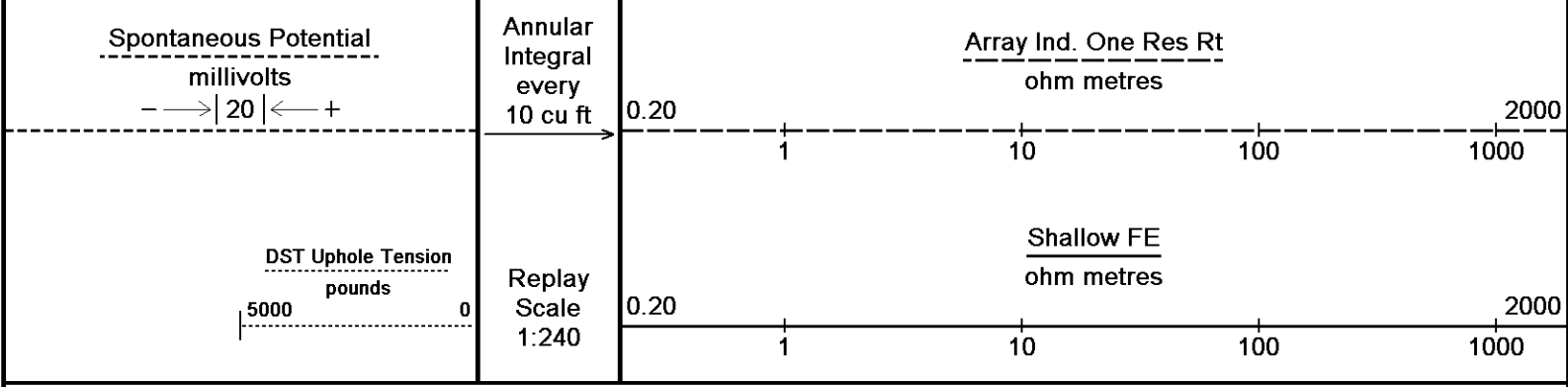
5700

Depth in Feet

Borehole Temp in deg F
HVI every 10 cu ft

Shallow FE
Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40

FR
FR



Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 28-APR-2014 07:44
 Filename: C:\Minimus 13.08.2113\Log Data\McCoy Patter...\McCoy Patterson-O'Brate 'A' #2-17_002.dta Recorded on 28-APR-2014 05:22
 System Versions: Logged with 13.08.2113 Plotted with 13.08.2113

↑ REPEAT SECTION ↑

BEFORE SURVEY CALIBRATION
 C:\Minimus 13.08.2113\Log Data\McCoy Patterson-O'Brate 'A' #2-17\McCoy Patterson-O'Brate 'A' #2-17_002.dta

General Constants All 000 Last Edited on 28-APR-2014,04:44

General Parameters		
Mud Resistivity	0.990	ohm-metres
Mud Resistivity Temperature	79.000	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	5.500	inches
Caliper for Differential Caliper	MML Caliper	
Rwa Parameters		
Porosity used	Crossplot Porosity	
Resistivity used	Array Ind. One 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 28-APR-2014 04:29

Reading No	Measured	Calibrated (lbs)
1	15715.05	0.00
2	16399.64	408.00

Gamma Calibration MCG-D.K 469 Field Calibration on 28-APR-2014 01:21

	Measured	Calibrated (API)
Background	63	41
Calibrator (Gross)	1157	766
Calibrator (Net)	1094	725

Gamma Constants MCG-D.K 469 Last Edited on 28-APR-2014,03:02

Gamma Calibrator Number	GRC038	
Mud Density	1.10	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 18-APR-2014,19:10

	Measured	Calibrated(Deg F)
Lower	10.00	10.00

Upper 100.00 100.00

High Resolution Temperature Constants MCG-D.K 469 Last Edited on 25-APR-2014,03:00
Pre-filter Length 11

SP Calibration MCG-D.K 469 Field Calibration on 17-APR-2014 09:58
Reference 1 Measured 100.1 Calibrated (mV) 99.9
Reference 2 Measured -99.0 Calibrated (mV) -100.0

Caliper Calibration MML-A 3 Base Calibration on 25-MAR-2014 11:38
Field Calibration on 28-APR-2014 01:05
Base Calibration
Reading No Measured Calibrator Size (in)
1 14836 5.98
2 18178 7.97
3 21362 9.86
4 25372 11.92
5 0 0.00
6 N/A N/A
Field Calibration
Measured Caliper (in) Actual Caliper (in)
8.01 7.97

Micro Normal and Micro Inverse Calibration MML-A 3 Base Calibration on 25-MAR-2014 11:48
Field Check on 28-APR-2014 01:07
Base Calibration
Channel Resistor 1 Resistor 2 Measured Calibrated (ohm-m)
Resistor 1 Resistor 2
Micro Normal 10.0 50.0 5.1 25.6
Micro Inverse 10.0 49.9 3.4 16.9
Channel Base Check (ohm-m) Field Check (ohm-m)
Micro Normal 77.3 77.3
Micro Inverse 51.2 51.2

Micro Normal and Micro Inverse Constants MML-A 3 Last Edited on 28-APR-2014,03:02
Pad Type 8-12 in Soft Rubber Inflatable 006-9011-159
Micro Normal K Factor 0.5110
Micro Inverse K Factor 0.3380
Standoff Offset N/A inches

Neutron Calibration MDN-A.B 66 Base Calibration on 24-MAR-2014 14:50
Field Check on 28-APR-2014 01:27
Base Calibration
Near Far Measured Calibrated (cps)
Near Far
3064 94 3714 110
Ratio 32.437 33.764
Field Calibrator at Base
Calibrated (cps)
1641 2431
Ratio 0.675
Field Check
Calibrated (cps)
1667 2436
Ratio 0.686

Neutron Constants MDN-A.B 66 Last Edited on 28-APR-2014,03:02
Neutron Source Id P0204NN
Neutron Jig Number 5824NE
Epithermal Neutron
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-A.A 135

Base Calibration on 25-MAR-2014 12:07
Field Check on 28-APR-2014 00:57

Base Calibration			
	Measured	Calibrated (ohm-m)	
Reference 1	0.0	0.0	
Reference 2	963.6	126.8	
Base Check		281.2	
Field Check		281.2	

FE Constants MFE-A.A 135

Last Edited on 28-APR-2014,03:01

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 22-FEB-2014,14:07
Field Check on 28-APR-2014 00:55

Base Calibration					
Test Loop Calibration		Measured		Calibrated (mmho/m)	
Channel	Low	High	Low	High	
1	17.3	474.2	9.3	967.1	
2	6.3	388.4	7.6	822.1	
3	3.3	259.4	5.2	566.5	
4	1.9	133.0	2.6	279.5	
Array Temperature		76.8	Deg F		
Channel	Base Check (mmho/m)		Field Check (mmho/m)		
	Low	High	Low	High	
1			12.3	3842.5	
2			29.4	3480.1	
3			29.0	3055.8	
4			19.8	2083.6	
Deep			18.5	2050.8	
Medium			42.2	3994.8	
Shallow			42.7	5058.6	
Array Temperature			62.5	Deg F	

Induction Constants MAI-A.A 167

Last Edited on 28-APR-2014,03:01

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 167

Field Calibration on 18-APR-2014,18:52

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

High Resolution Temperature Constants MAI-A.A 167

Last Edited on 18-APR-2014,18:52

Pre-filter Length	11
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Caliper Calibration MPD-D.A 482

Base Calibration on 10-APR-2014 12:34

Field Calibration on 28-APR-2014 00:59

Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	16267	3.99
2	26446	5.98
3	36593	7.97
4	46367	9.86
5	57395	11.92
6	N/A	N/A

Field Calibration		
	Measured Caliper (in)	Actual Caliper (in)
	7.94	7.97

Photo Density Calibration MPD-D.A 482

Base Calibration on 24-MAR-2014 13:51

Field Check on 28-APR-2014 01:04

Density Calibration				
Base Calibration				
	Near	Measured Far	Calibrated Near	Calibrated Far
Background	1244	1407		
Reference 1	59945	29818	59556	30836
Reference 2	25150	2828	24941	2541

Field Check at Base	1243.8	1406.7
Field Check	1237.9	1409.9

PE Calibration				
Base Calibration				
	WS	Measured WH	Ratio	Calibrated Ratio
Background	235	1114		
Reference 1	26220	59734	0.443	0.371
Reference 2	7692	25010	0.312	0.272

Field Check at Base	235.0	1114.4
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Density Constants MPD-D.A 482

Last Edited on 28-APR-2014,03:02

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	1.10	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	
0.00	0.00	

DOWNHOLE EQUIPMENT

C:\Minimus 13.08.2113\Log Data\McCoy Patterson-O'Brate 'A' #2-17\McCoy Patterson-O'Brate 'A' #2-17_002.dta

CBH-C, Cablehead, 11 pin
 CBH-C 0 LG: 2.40 ft WT: 24.3 lb OD: 2.244 in

Compact Comms Gamma
 MCG-D.K 469 LG: 8.70 ft WT: 63.9 lb OD: 2.244 in

Compact Micro-log
 MML-A 3 LG: 7.97 ft WT: 81.6 lb OD: 2.240 in

Compact Neutron
 MDN-A.B 66 LG: 5.04 ft WT: 50.7 lb OD: 2.244 in

Compact Density/Caliper
 MPD-D.A 482 LG: 9.59 ft WT: 90.4 lb OD: 2.449 in

Compact Focussed Electric
 MFE-A.A 135 LG: 6.05 ft WT: 48.5 lb OD: 2.244 in

Compact Induction
 MAI-A.A 167 LG: 10.81 ft WT: 48.5 lb OD: 2.244 in

Total Length: 50.55 ft Weight: 407.9 lb



42.87 ft GRGC - Gamma Ray
 39.96 ft CGXT - MCG External Temperature

33.24 ft MINV - Micro-inverse
 33.24 ft MNRL - Micro-normal
 34.24 ft MLTC - MML Caliper

28.45 ft NPRL - Limestone Neutron Por.

21.21 ft CLDC - Density Caliper
 21.21 ft AVOL - Annular Volume
 21.21 ft HVOL - Hole Volume
 19.28 ft DEN - Compensated Density
 19.28 ft DCOR - Density Correction
 19.28 ft DPRL - Limestone Density Por.
 19.22 ft PDPE - PE

13.72 ft FEFE - Shallow FE

3.34 ft R400 - Array Ind. One Res 40
 3.34 ft RTAO - Array Ind. One Res Rt
 3.34 ft R600 - Array Ind. One Res 60
 0.23 ft SPCG - Spontaneous Potential
 Tool Zero (0.13ft from bottom)
 -0.13 ft SMTIJ - DST Inhole Tension

COMPANY McCOY PETROLEUM CORPORATION
WELL PATTERSON-O'BRATE 'A' #2-17
FIELD WILDCAT
PROVINCE/COUNTY MEADE
COUNTRY/STATE U.S.A. / KANSAS

Elevation Kelly Bushing	2825.00	feet	First Reading	5697.00	feet
Elevation Drill Floor	2823.00	feet	Depth Driller	5700.00	feet
Elevation Ground Level	2814.00	feet	Depth Logger	5700.00	feet

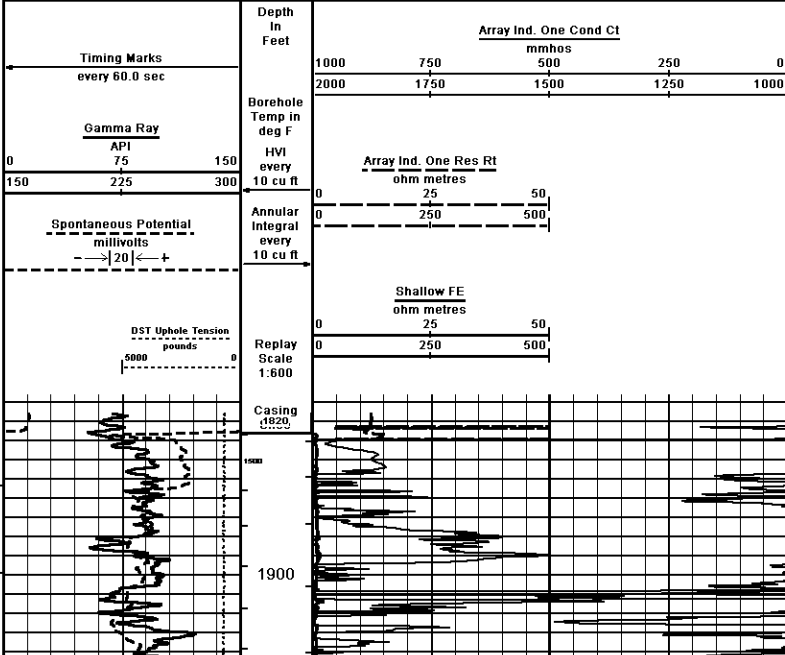


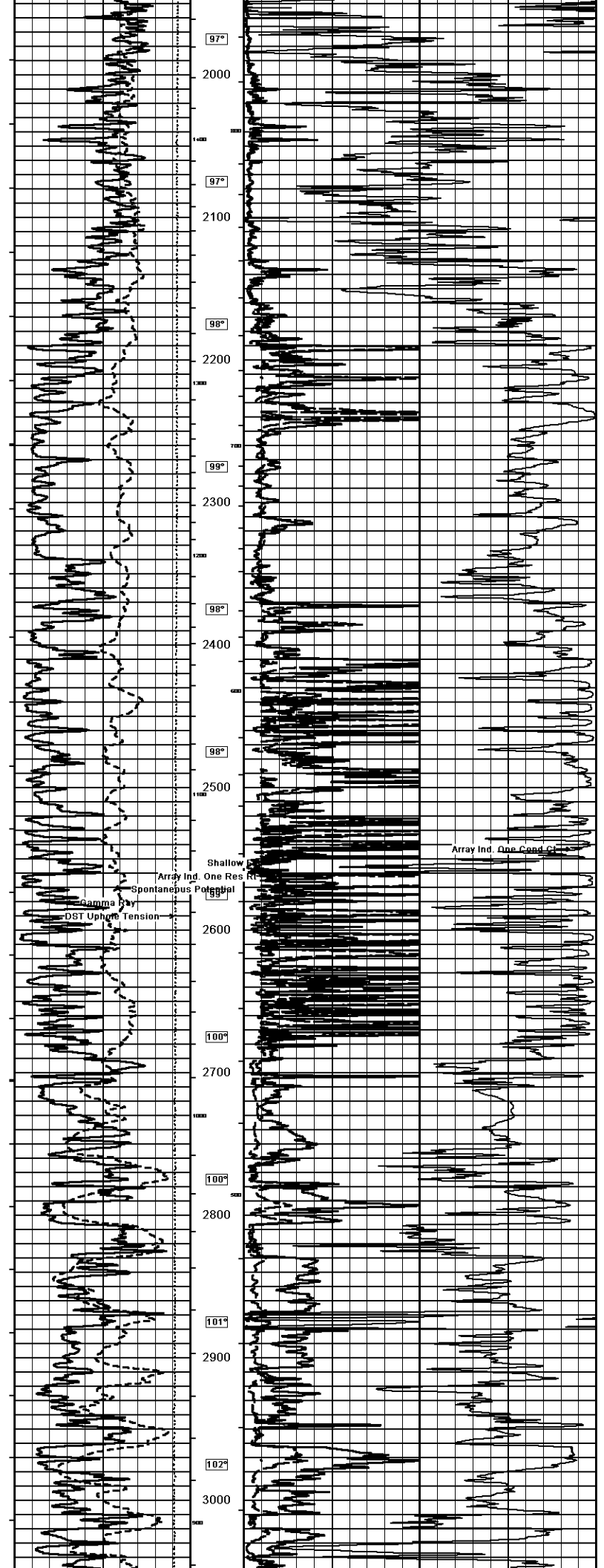
ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG

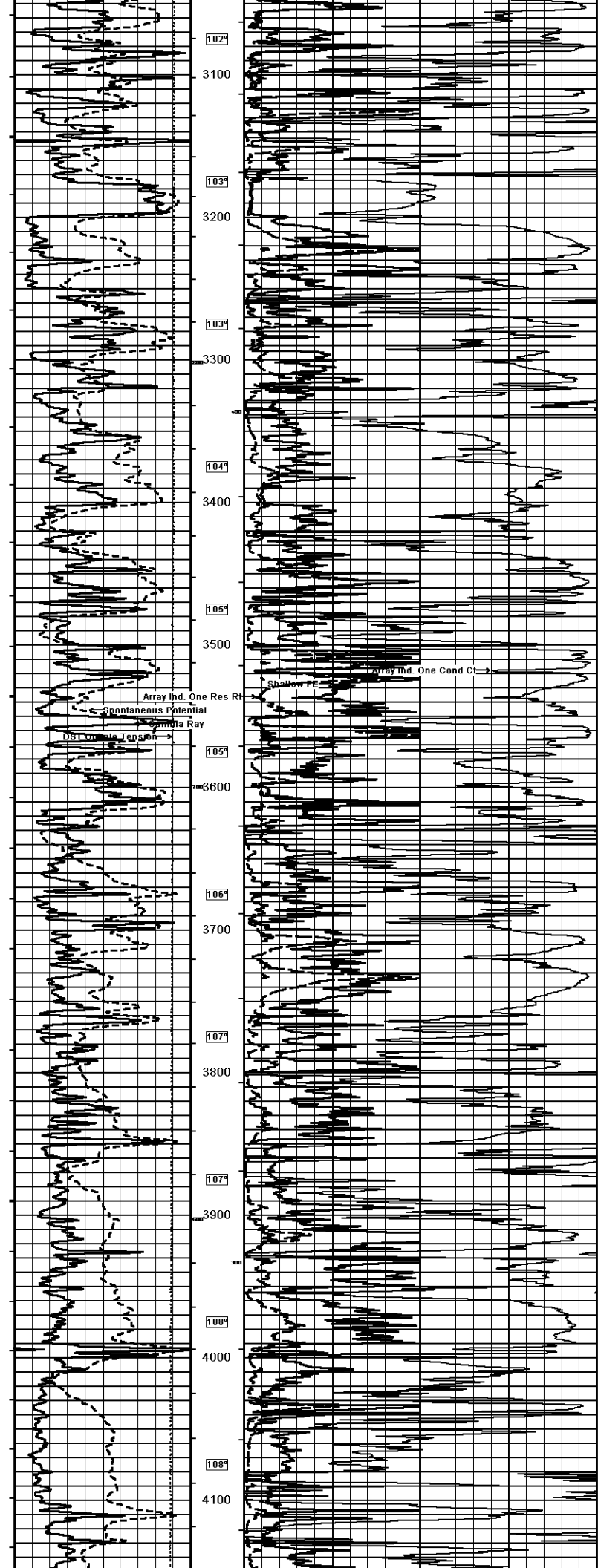
Weatherford[®]

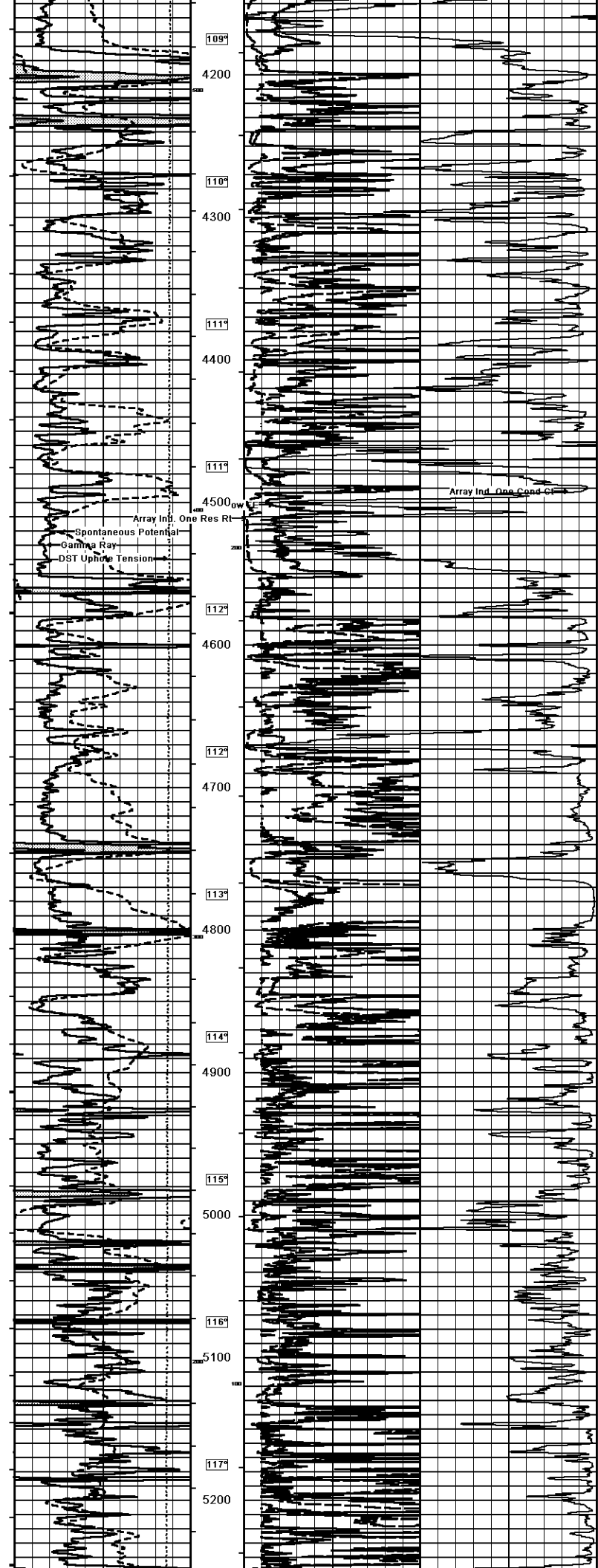
		ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG	
Weatherford			
COMPANY McCOY PETROLEUM CORPORATION WELL PATTERSON-O'BRATE 'A' #2-17 FIELD WILDCAT PROVINCE/COUNTY MEADE COUNTRY/STATE U.S.A. / KANSAS LOCATION 1980' ENL & 1980' F.W.L.		SEC. 17 TWP. 30S R.30E MPOBNDN MML	
Log Measured From KB Permanent Datum SL Elevation 2814 feet Drilling Measured From KB Date 28-APR-2014		Log Measured From KB Permanent Datum SL Elevation 2814 feet Drilling Measured From KB Date 28-APR-2014	
Run Number ONE Service Order 4558-85851716 Depth Driller 5700.00 Depth Logger 5700.00 First Reading 5697.00 Last Reading 1826.00 Casing Driller 1827.00 Casing Logger 1826.00 Bit Size 7.875 Hole Fluid Type CHEMICAL Density/Viscosity 9.20 lb/USG PH/Fluid Loss 10.50 Sample Source FLOWLINE Sm @ Measured Temp 0.99 @ 79.0 Sm @ Measured Temp 0.79 @ 79.0 Sm @ Measured Temp 1.19 @ 79.0 Source Rmt/Rmc CALC Sm @ BHT 0.65 @ 121.0 Time Since Circulation 5 HOURS Max Recorded Temp 121.00 Equipment/Case AQAM SILL Recorded By DAWE WILLIAMS Missed By DAWE WILLIAMS JOB # 19114130	Log Measured From KB Permanent Datum SL Elevation 2814 feet Drilling Measured From KB Date 28-APR-2014 Run Number ONE Service Order 4558-85851716 Depth Driller 5700.00 Depth Logger 5700.00 First Reading 5697.00 Last Reading 1826.00 Casing Driller 1827.00 Casing Logger 1826.00 Bit Size 7.875 Hole Fluid Type CHEMICAL Density/Viscosity 9.20 lb/USG PH/Fluid Loss 10.50 Sample Source FLOWLINE Sm @ Measured Temp 0.99 @ 79.0 Sm @ Measured Temp 0.79 @ 79.0 Sm @ Measured Temp 1.19 @ 79.0 Source Rmt/Rmc CALC Sm @ BHT 0.65 @ 121.0 Time Since Circulation 5 HOURS Max Recorded Temp 121.00 Equipment/Case AQAM SILL Recorded By DAWE WILLIAMS Missed By DAWE WILLIAMS JOB # 19114130	Log Measured From KB Permanent Datum SL Elevation 2814 feet Drilling Measured From KB Date 28-APR-2014 Run Number ONE Service Order 4558-85851716 Depth Driller 5700.00 Depth Logger 5700.00 First Reading 5697.00 Last Reading 1826.00 Casing Driller 1827.00 Casing Logger 1826.00 Bit Size 7.875 Hole Fluid Type CHEMICAL Density/Viscosity 9.20 lb/USG PH/Fluid Loss 10.50 Sample Source FLOWLINE Sm @ Measured Temp 0.99 @ 79.0 Sm @ Measured Temp 0.79 @ 79.0 Sm @ Measured Temp 1.19 @ 79.0 Source Rmt/Rmc CALC Sm @ BHT 0.65 @ 121.0 Time Since Circulation 5 HOURS Max Recorded Temp 121.00 Equipment/Case AQAM SILL Recorded By DAWE WILLIAMS Missed By DAWE WILLIAMS JOB # 19114130	Log Measured From KB Permanent Datum SL Elevation 2814 feet Drilling Measured From KB Date 28-APR-2014 Run Number ONE Service Order 4558-85851716 Depth Driller 5700.00 Depth Logger 5700.00 First Reading 5697.00 Last Reading 1826.00 Casing Driller 1827.00 Casing Logger 1826.00 Bit Size 7.875 Hole Fluid Type CHEMICAL Density/Viscosity 9.20 lb/USG PH/Fluid Loss 10.50 Sample Source FLOWLINE Sm @ Measured Temp 0.99 @ 79.0 Sm @ Measured Temp 0.79 @ 79.0 Sm @ Measured Temp 1.19 @ 79.0 Source Rmt/Rmc CALC Sm @ BHT 0.65 @ 121.0 Time Since Circulation 5 HOURS Max Recorded Temp 121.00 Equipment/Case AQAM SILL Recorded By DAWE WILLIAMS Missed By DAWE WILLIAMS JOB # 19114130

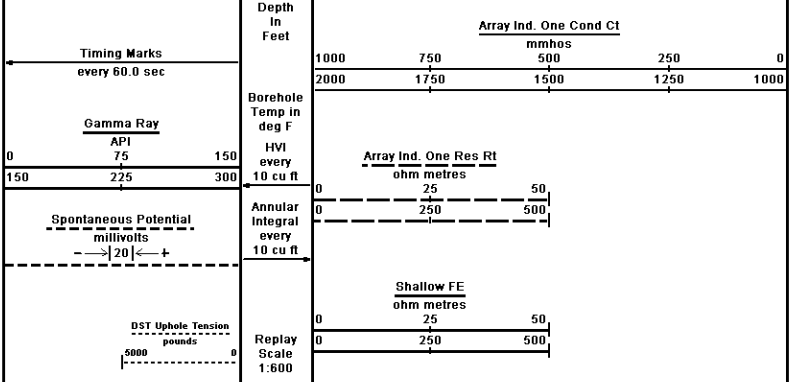
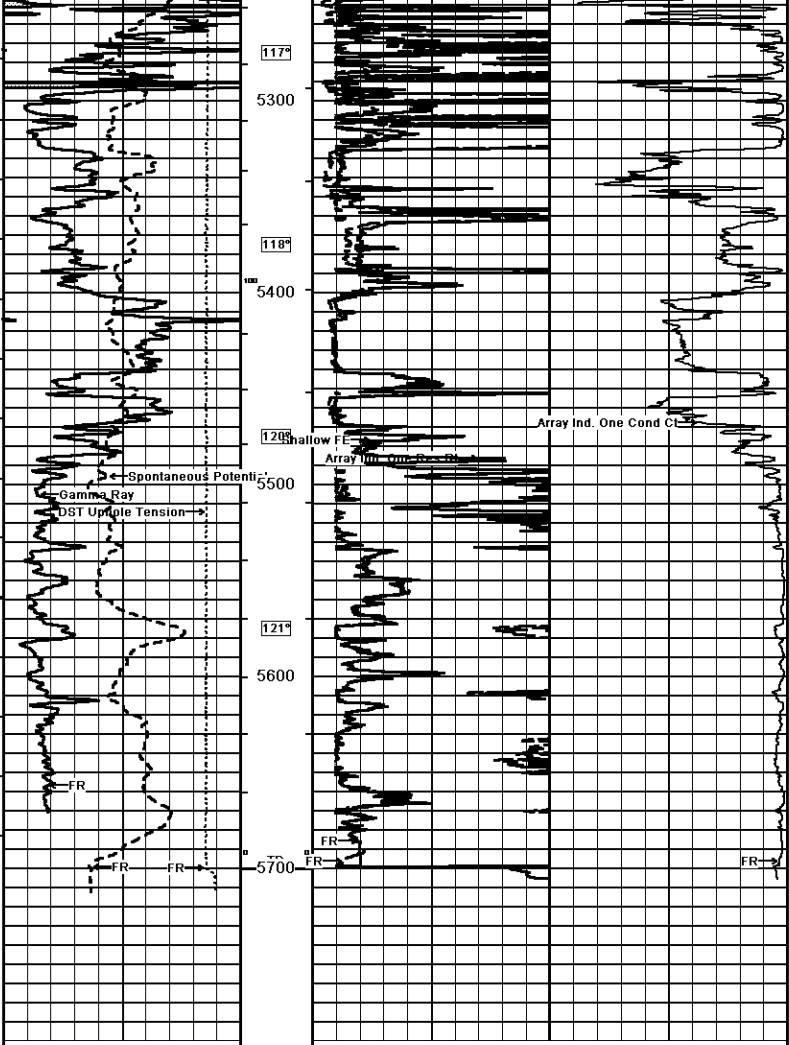
1 INCH MAIN
 Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 28-APR-2014 07:44
 Filename: C:\Minimus 13.08.2113\Log Data\McCoy Patterson-.McCoy Patterson-O'Brate 'A' #2-17_003.dta
 Recorded on 28-APR-2014 05:47
 System Versions: Logged with 13.08.2113 Plotted with 13.08.2113












Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 28-APR-2014 07:44
 Filename: C:\Minimus 13.08.2113\Log Data\McCoy Patterson-O'Brate 'A' #2-17_003.dta
 Recorded on 28-APR-2014 05:47
 System Versions: Logged with 13.08.2113 Plotted with 13.08.2113

COMPANY	McCOY PETROLEUM CORPORATION				
WELL	PATTERSON-O'BRATE 'A' #2-17				
FIELD	WILDCAT				
PROVINCE/COUNTY	MEADE				
COUNTRY/STATE	U.S.A. / KANSAS				
Elevation Kelly Busting	2825.00	feet	First Reading	5697.00	feet
Elevation Drill Floor	2823.00	feet	Depth Driller	5700.00	feet
Elevation Ground Level	2814.00	feet	Depth Logger	5700.00	feet
	ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG				