Weatherford®

ARRAY INDUCTION / MFE
PHOTO DENSITY / NEUTRON
GAMMA RAY **TVD** LOG

COMPANY	SMITH PRODUCTION COMPANY
WELL	EDMOND RICHARD #1
FIELD	GRAND CHENIERE
PROVINCE/COUNTY	CAMERON
COUNTRY/STATE	U.S.A / LOUISIANA
LOCATION	N63D 04' 27"W 10,6010.02' FROM NGS MON "MARSH" X= 1,519,311' Y= 394, 346'

SEC	TWP	RGE	Other Services
53	15S	5W	SWC

API Number 17023231220000
Permit Number 244658

Permanent Datum G.L., Elevation 3 feet
Log Measured From KB
Drilling Measured From KB

Elevations:	feet
KB	18.00
DF	17.00
GL	3.00

Date	03-JULY-2012			
Run Number	ONE			
Depth Driller	11508.00	feet		
Depth Logger	11485.00	feet		
First Reading	11485.00	feet		
Last Reading	3216.00	feet		
Casing Driller	3225.00	feet		
Casing Logger	3216.00	feet		
Bit Size	9.875	inches		
Hole Fluid Type	WATER BASED			
Density / Viscosity	11.00 lb/USg	41.00		
PH / Fluid Loss	11.30	4.40 ml/30Min		
Sample Source	PIT			
Rm @ Measured Temp	0.90 @ 88.0	ohm-m		
Rmf @ Measured Temp	0.68 @ 88.0	ohm-m		
Rmc @ Measured Temp	1.13 @ 88.0	ohm-m		
Source Rmf / Rmc	CALC			
Rm @ BHT	0.39 @211.0	ohm-m		
Time Since Circulation	8 HOURS			
Max Recorded Temp	211.00	deg F		
Equipment Name	OPEN HOLE			
Equipment / Base	13028	BRSD		
Recorded By	M.ROMERO			
Witnessed By	G.GRIMMETT			
RIG	CROWN RIG 3			

BOREHOLE RECORD

Last Edited: 03-JUL-2012 08:40

Bit Size inches	Depth From feet	Depth To feet
9.875	3225.00	11508.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	10.750	0.00	3225.00	45.50

REMARKS

S.O. 3531063

TRUE VERTICAL DEPTH LOG
MAI / MFE / MPD / MDN / MCG / SHA RAN IN COMBINATION
FINS RAN ON INDUCTION AND MFE
DUAL BOWSPRINGS RAN ON NEUTRON
STABILILZER RAN ON DENSITY
DENSITY MATRIX (2.65g/cc)
RWA = A - 0.62 M - 2.15

CUSTOMER REQUESTED REPEAT BE PERFORMED UNDER CASING SHOE

ANNULAR VOLUME ASSUMES 5.5" PRODUCTION CASING

CREW: M.ROMERO, C.COSTLEY, R.STANSBURY

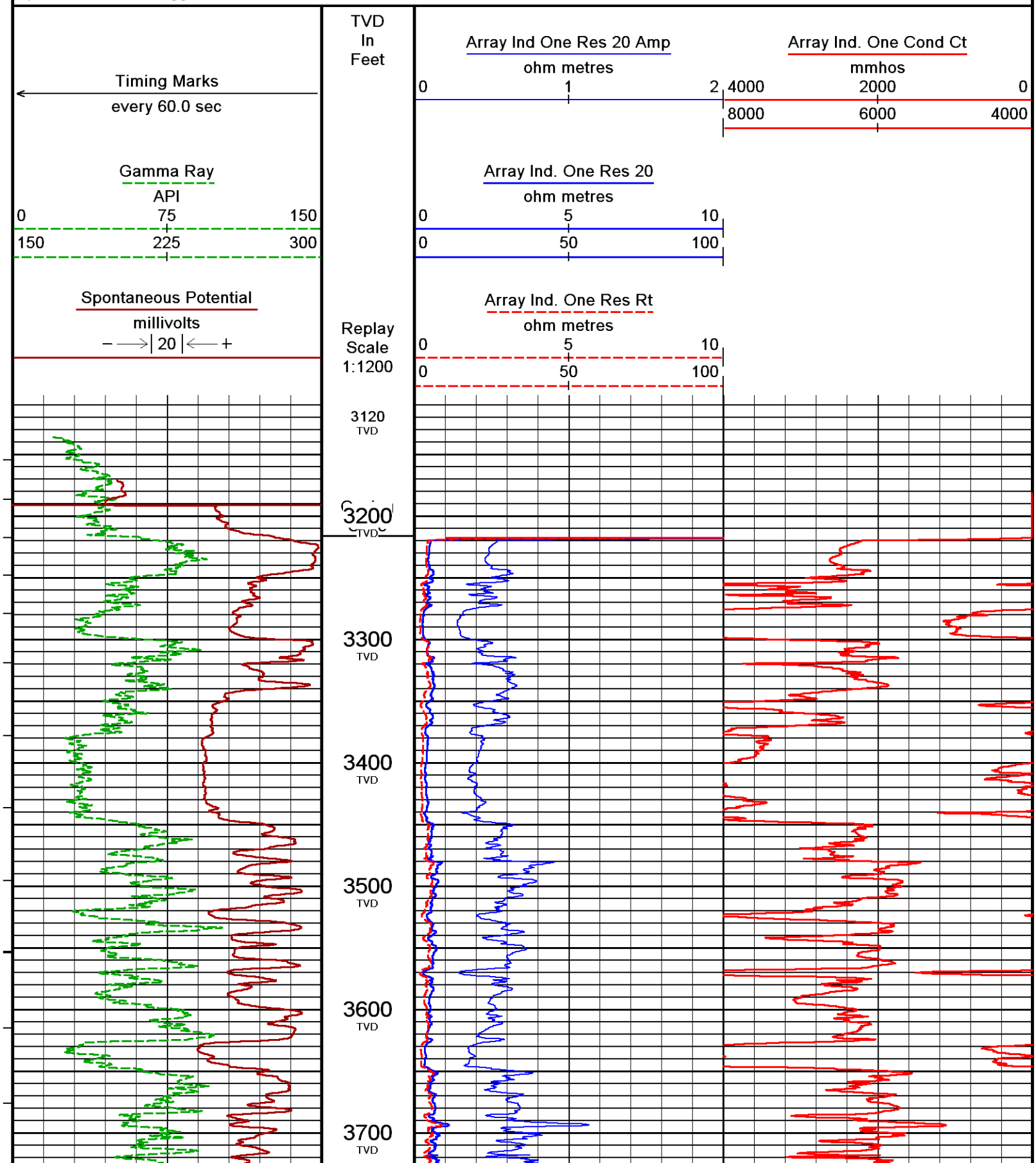
THANK YOU FOR CHOOSING WEATHERFORD WIRELINE!!!

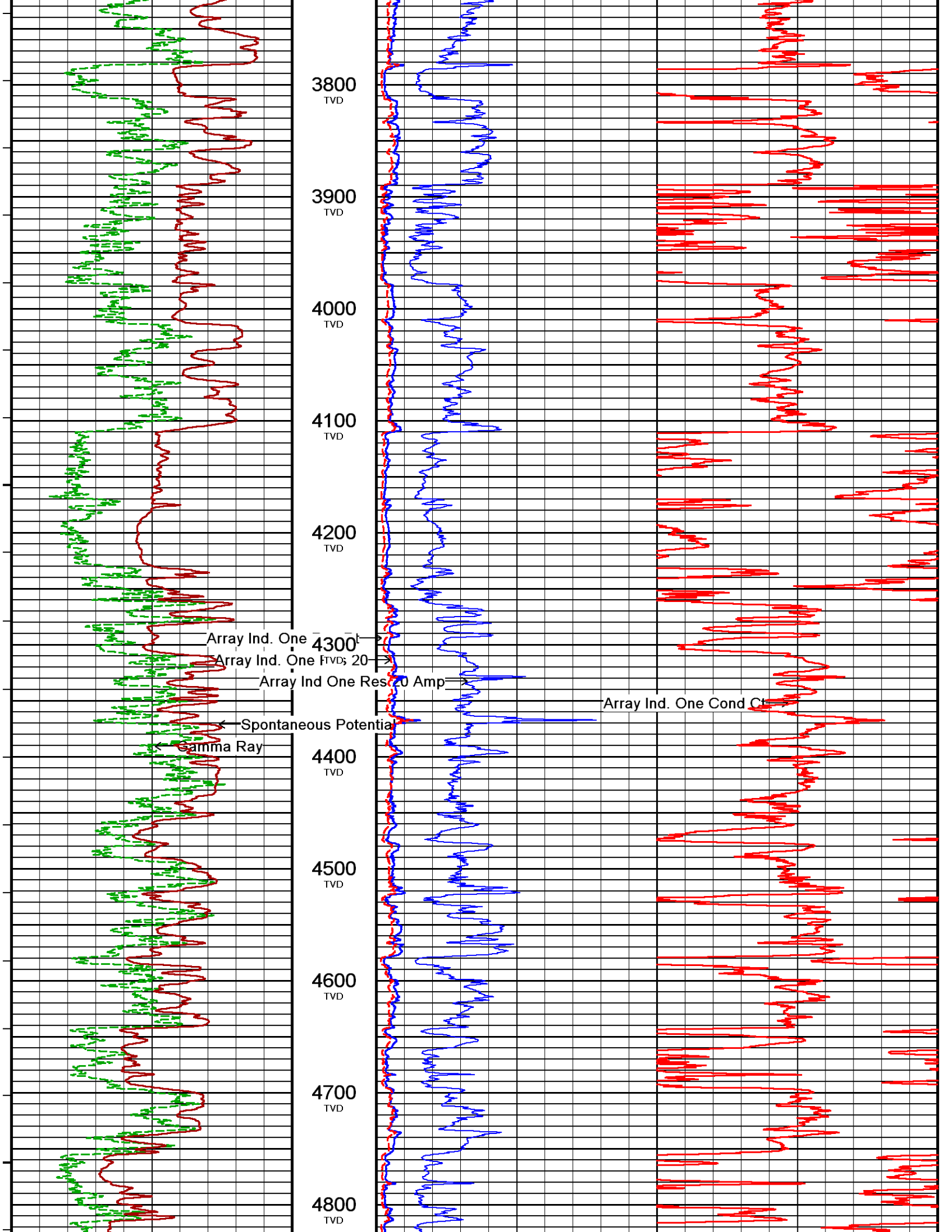
or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions in our price schedule.

1" MAIN PASS TVD 1:1200

Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Data\Smith Production\Edmond Richard #1\uplog2.dta
System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

Plotted on 04-JUL-2012 00:20
Recorded on 03-JUL-2012 15:11

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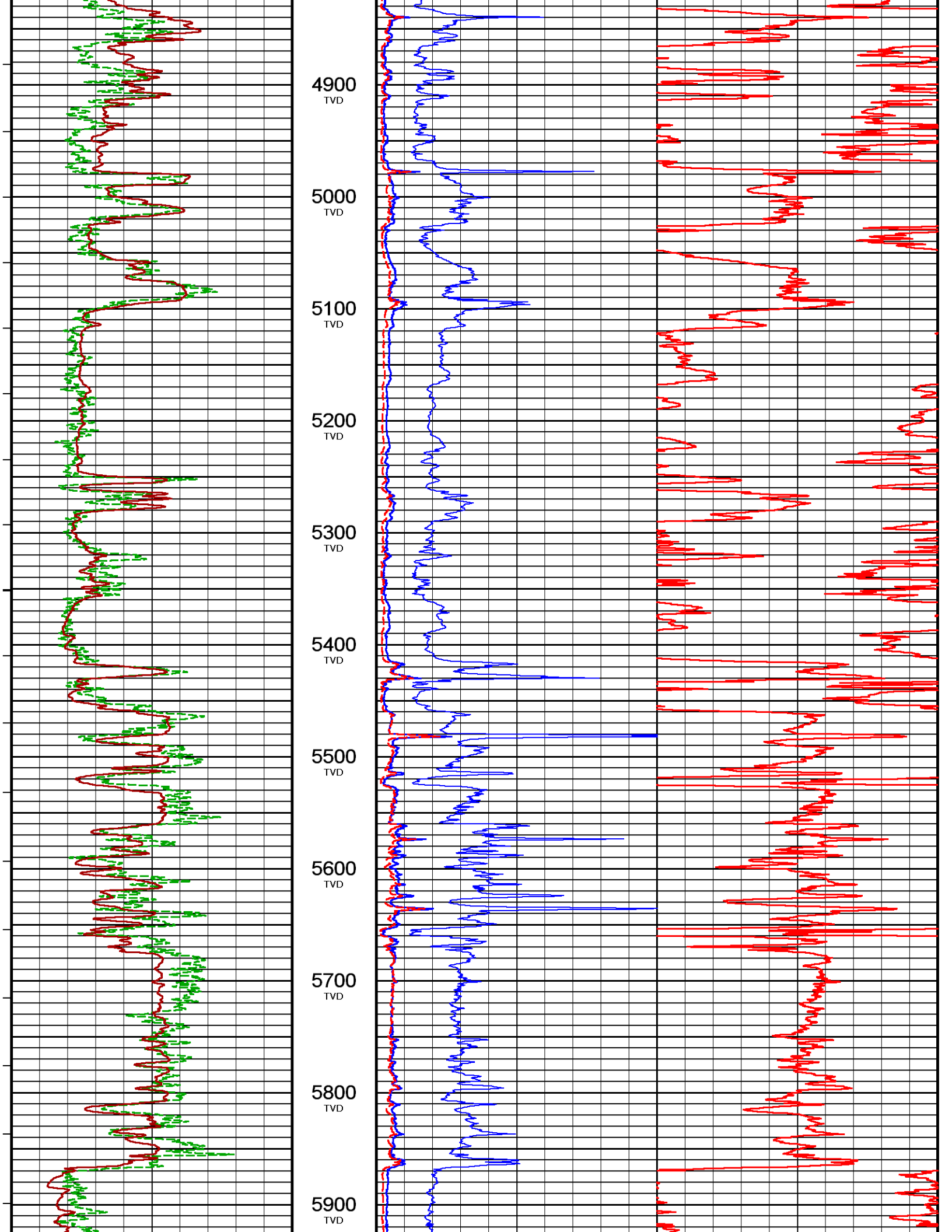
TVD
3900
TVD
4000
TVD
4100
TVD
4200
TVD
4300
TVD
4400
TVD
4500
TVD
4600
TVD
4700
TVD
4800
TVD
Array Ind. One
Array Ind. One
TVD; 20
Array Ind One Res 20 Amp
Array Ind. One Cond Ct
Spontaneous Potential
Gamma Ray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TVD
5000
TVD
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TVD
5200
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5300
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5400
TVD
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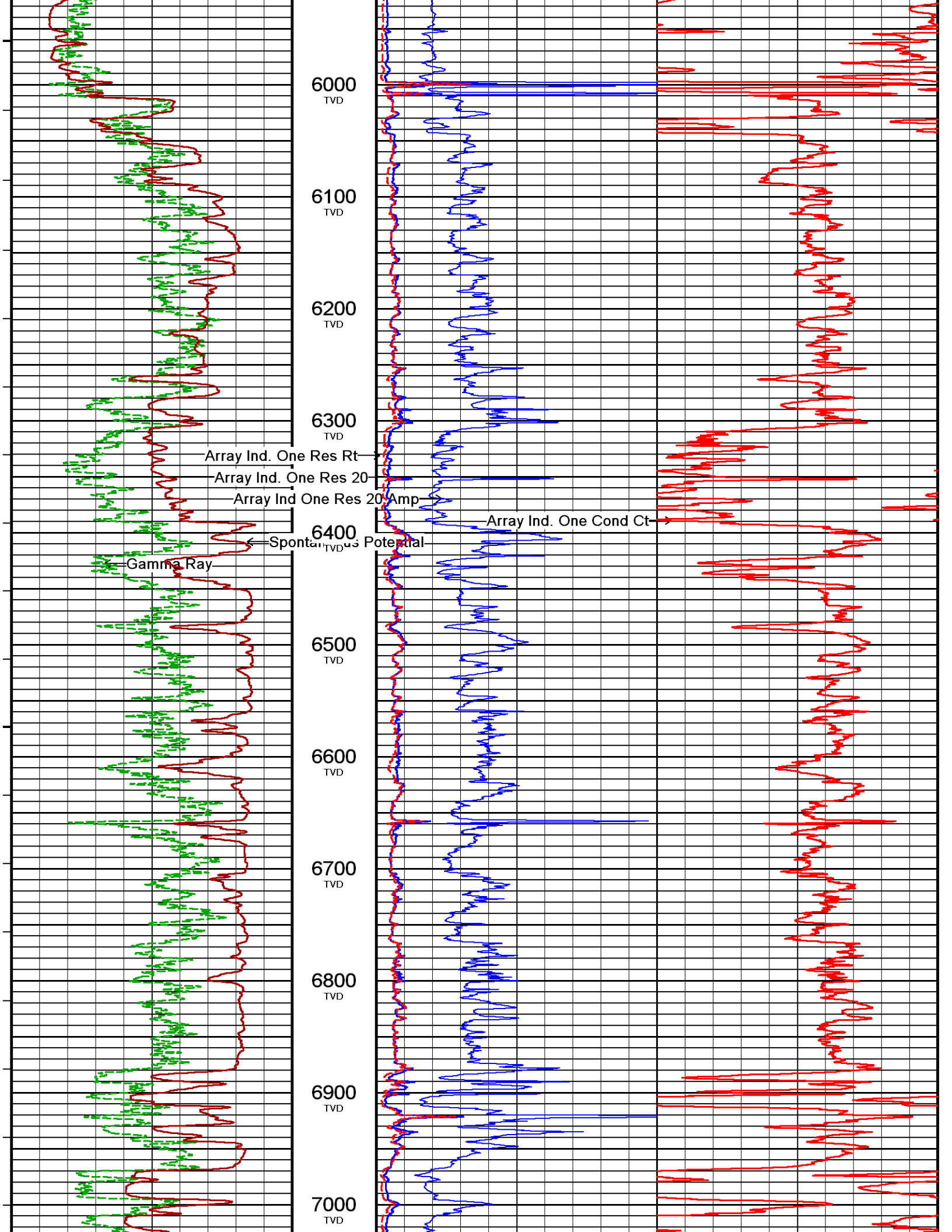
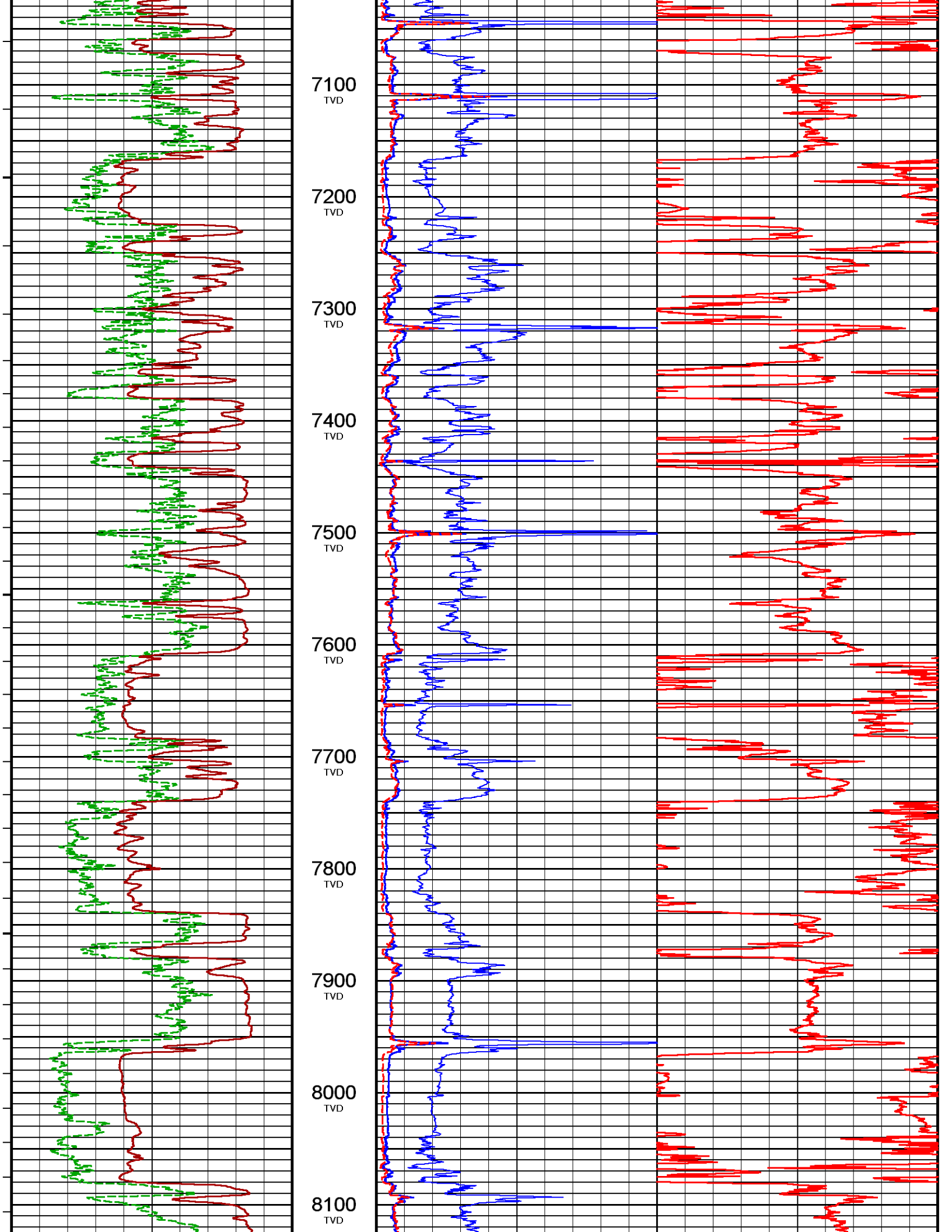
5700
TVD
5800
TVD
5900
TVD


6000
TVD
6100
TVD
6200
TVD
6300
TVD
Array Ind. One Res Rt
Array Ind. One Res 20
Array Ind One Res 20 Amp
Array Ind. One Cond Ct
6400
TVD
Spontaneous Potential
Gamma Ray
6500
TVD
6600
TVD
6700
TVD
6800
TVD
6900
TVD
7000
TVD


7100
TVD
7200
TVD
7300
TVD
7400
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TVD
7600
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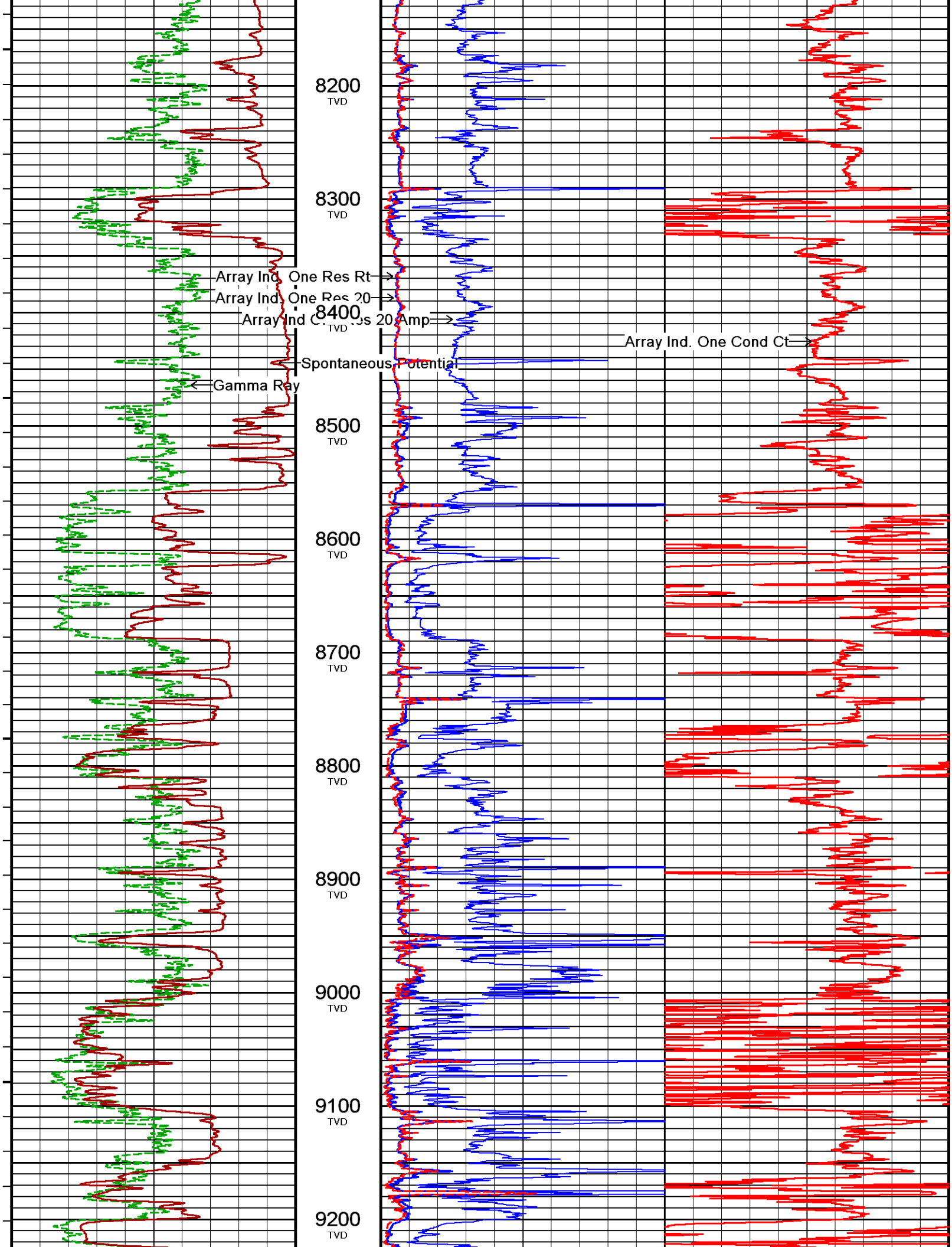
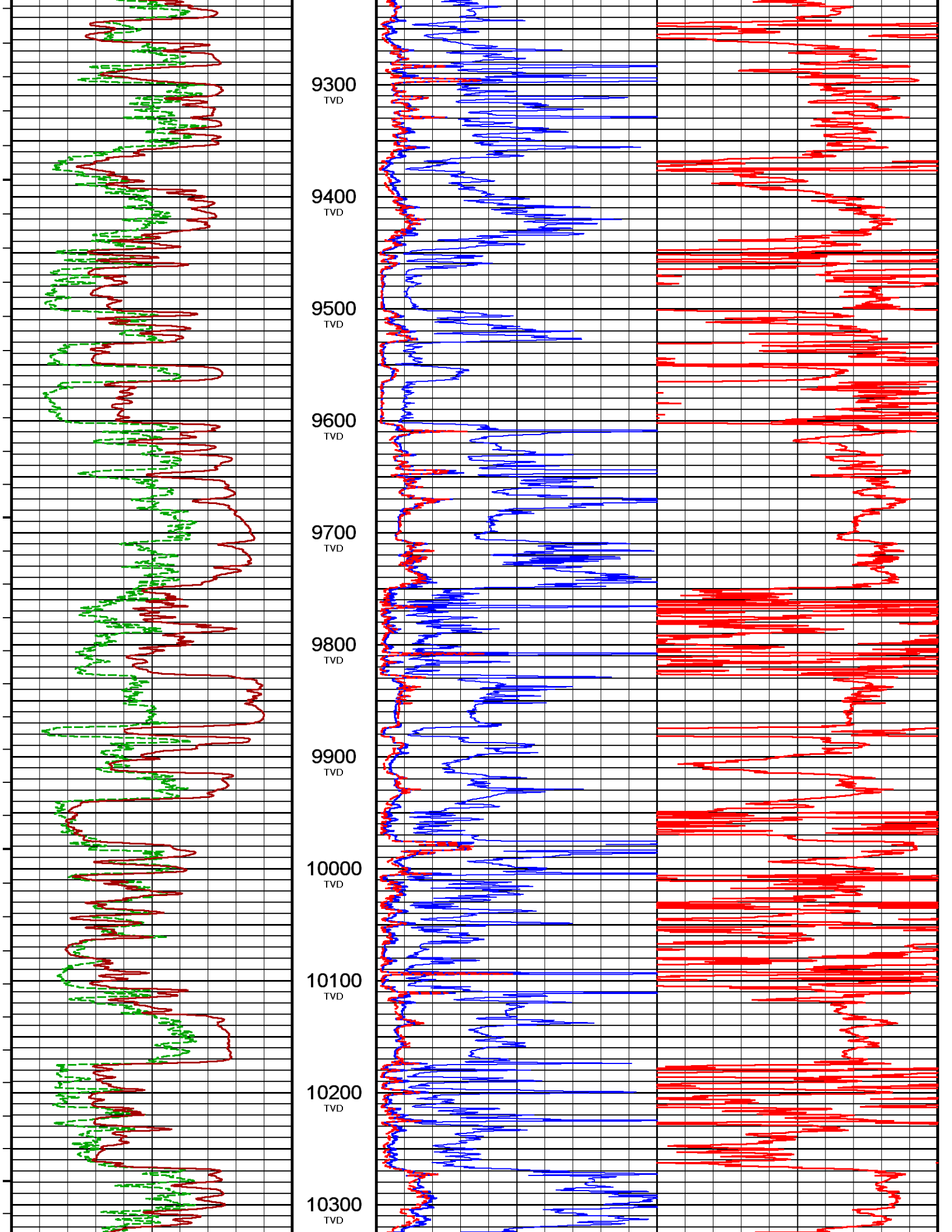
TVD
7900
TVD
8000
TVD
8100
TVD


8200
TVD
8300
TVD
Array Ind. One Res Rt
Array Ind. One Res 20
8400
TVD
Array Ind. One Cond Ct
Spontaneous Potential
Gamma Ray
8500
TVD
8600
TVD
8700
TVD
8800
TVD
8900
TVD
9000
TVD
9100
TVD
9200
TVD


9300
TVD
9400
TVD
9500
TVD
9600
TVD
9700
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9800
TVD
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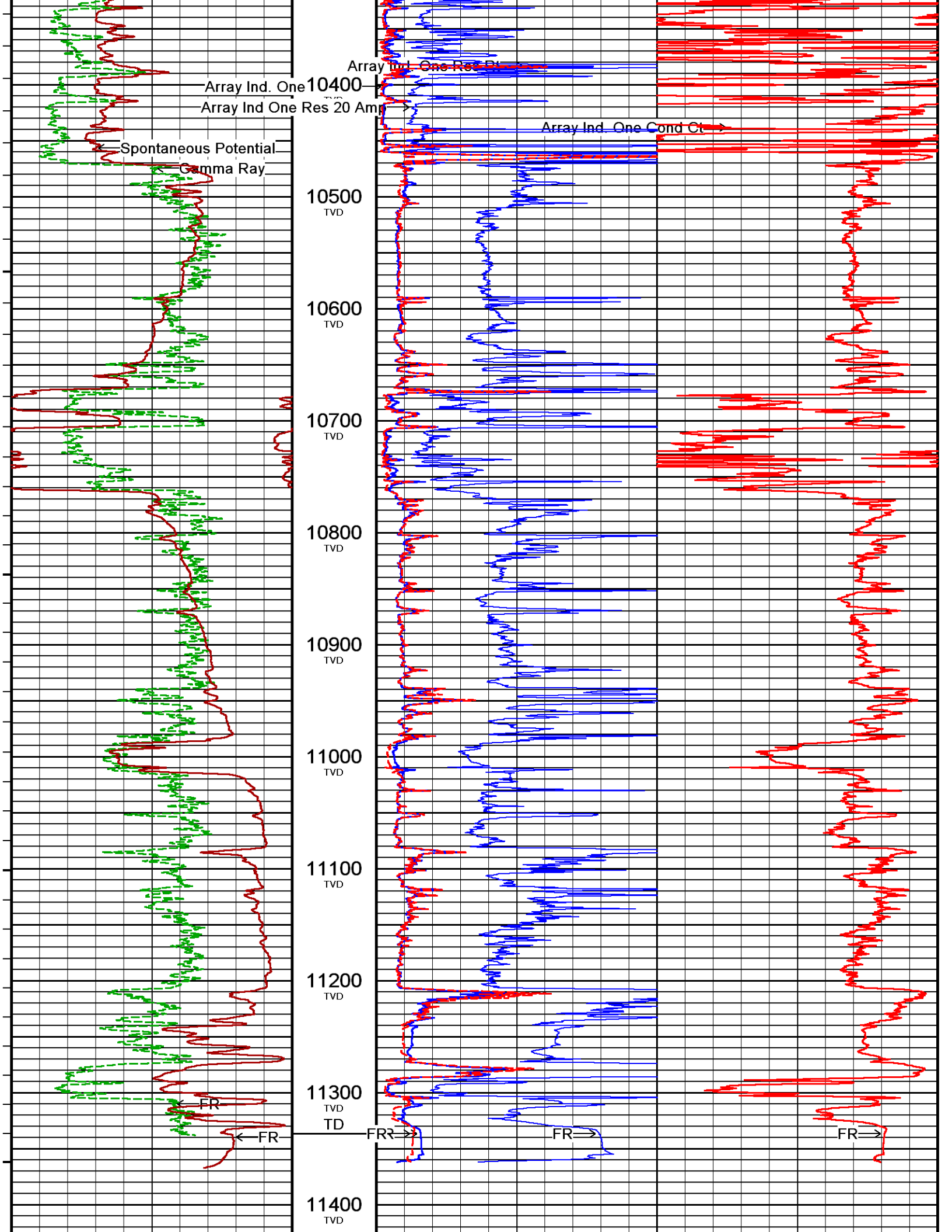
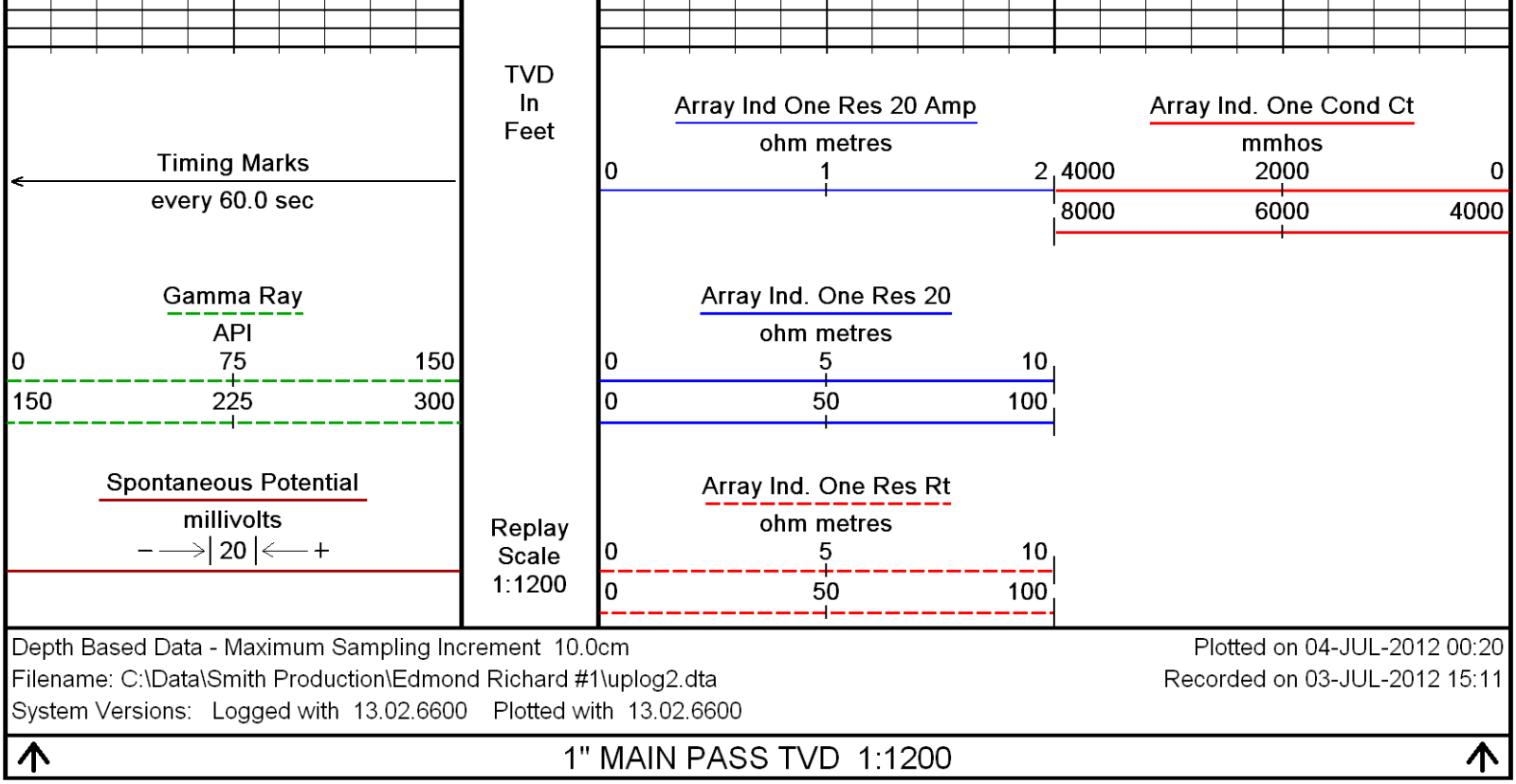
TVD
10100
TVD
10200
TVD
10300
TVD


Array Ind. One
Array Ind One Res 20 Amp
Array Ind. One Cond Ct
Spontaneous Potential
Gamma Ray
10400
10500
TVD
10600
TVD
10700
TVD
10800
TVD
10900
TVD
11000
TVD
11100
TVD
11200
TVD
11300
TVD
TD
11400
TVD
FR
FR
FR
FR
FR



Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Data\Smith Production\Edmond Richard #1\uplog2.dta
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Plotted on 04-JUL-2012 00:20
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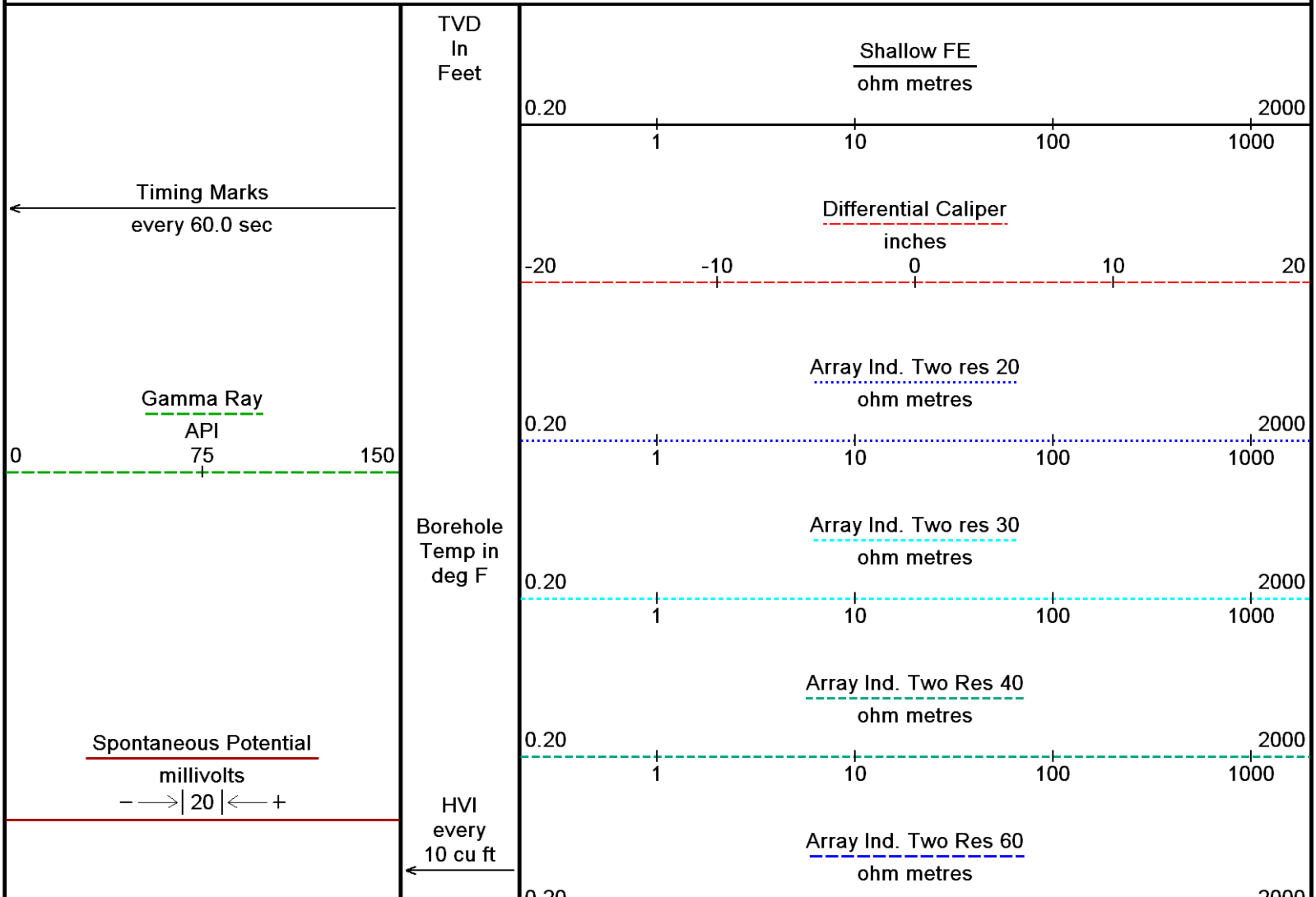
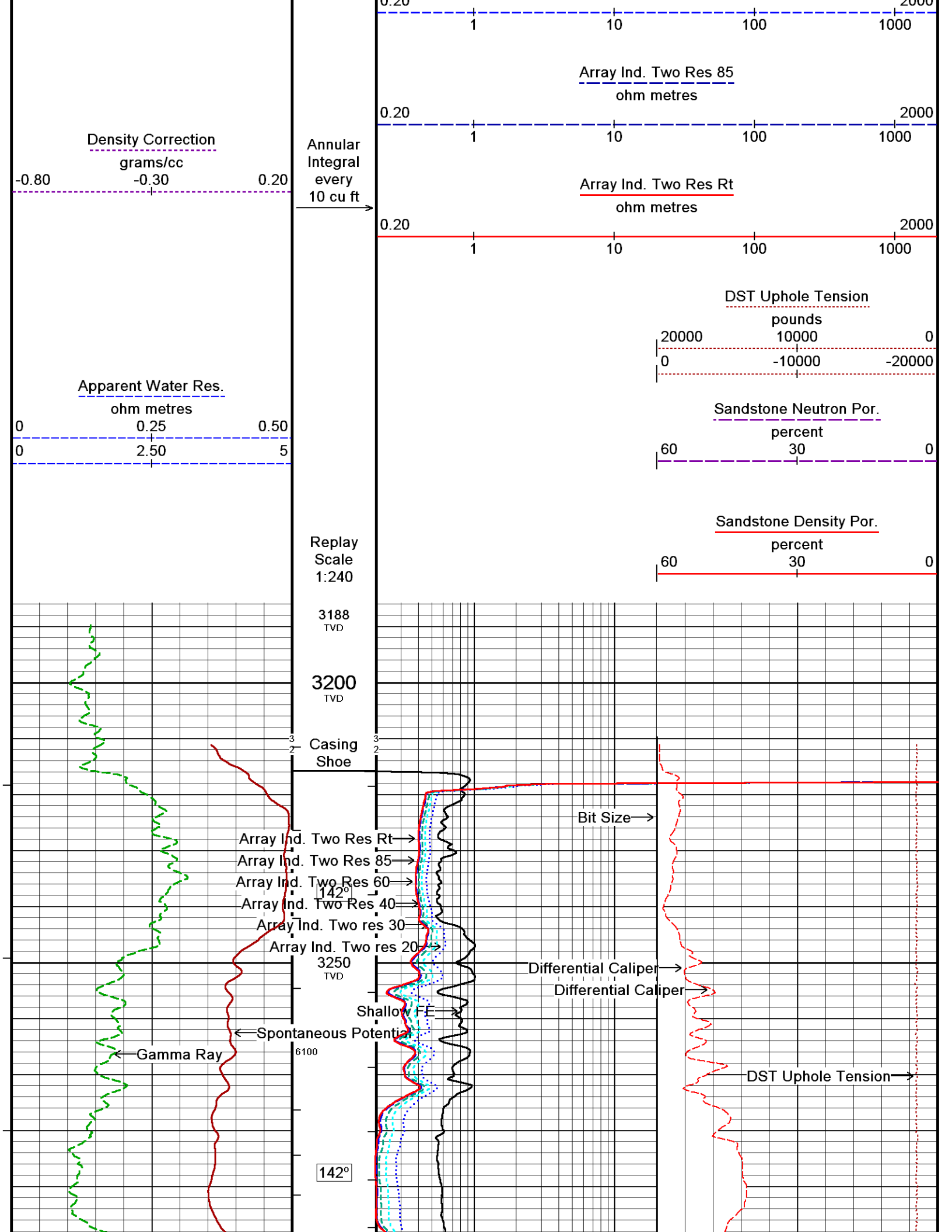
1" MAIN PASS TVD 1:1200

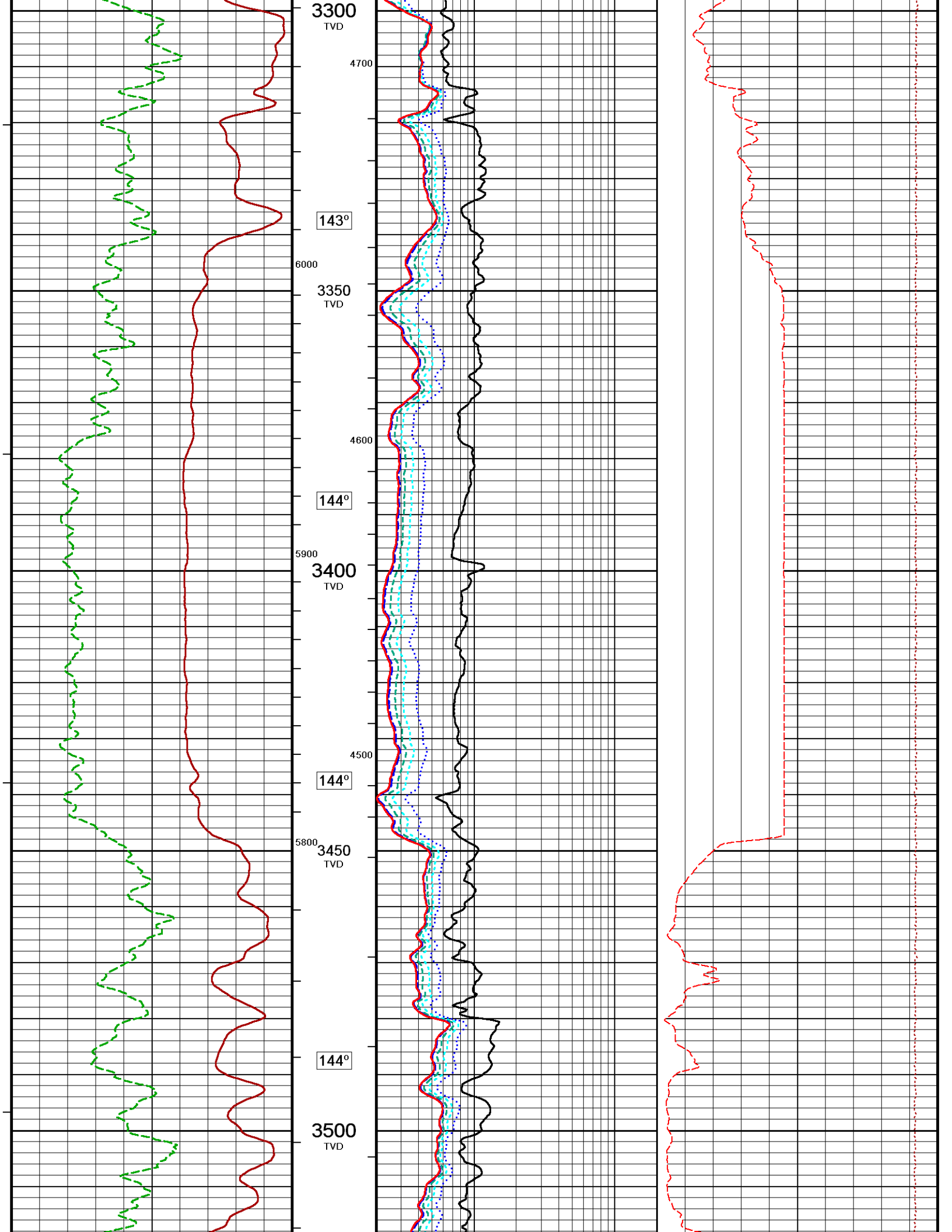
5" MAIN PASS TVD 1:240

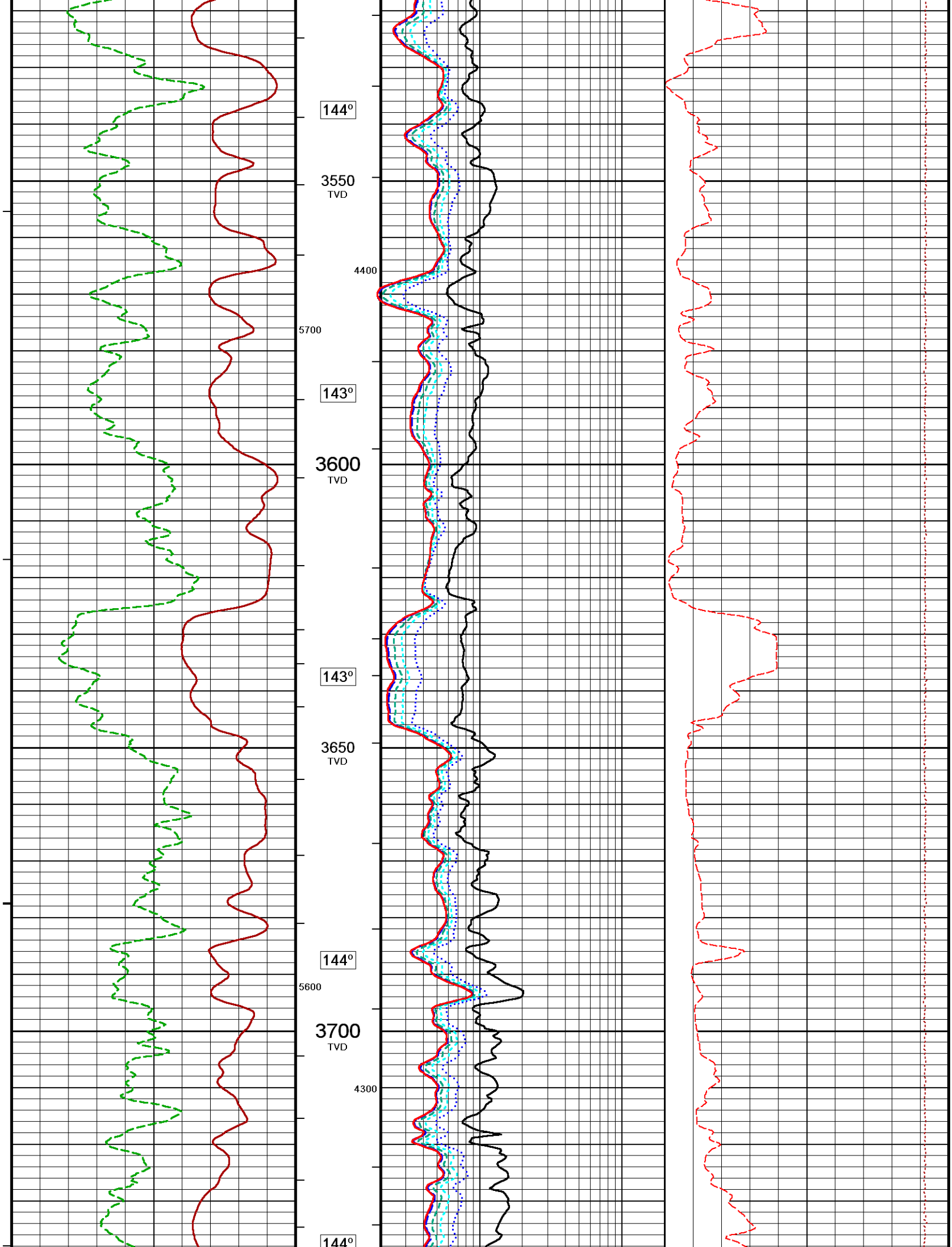
Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Data\Smith Production\Edmond Richard #1\uplog2.dta
System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

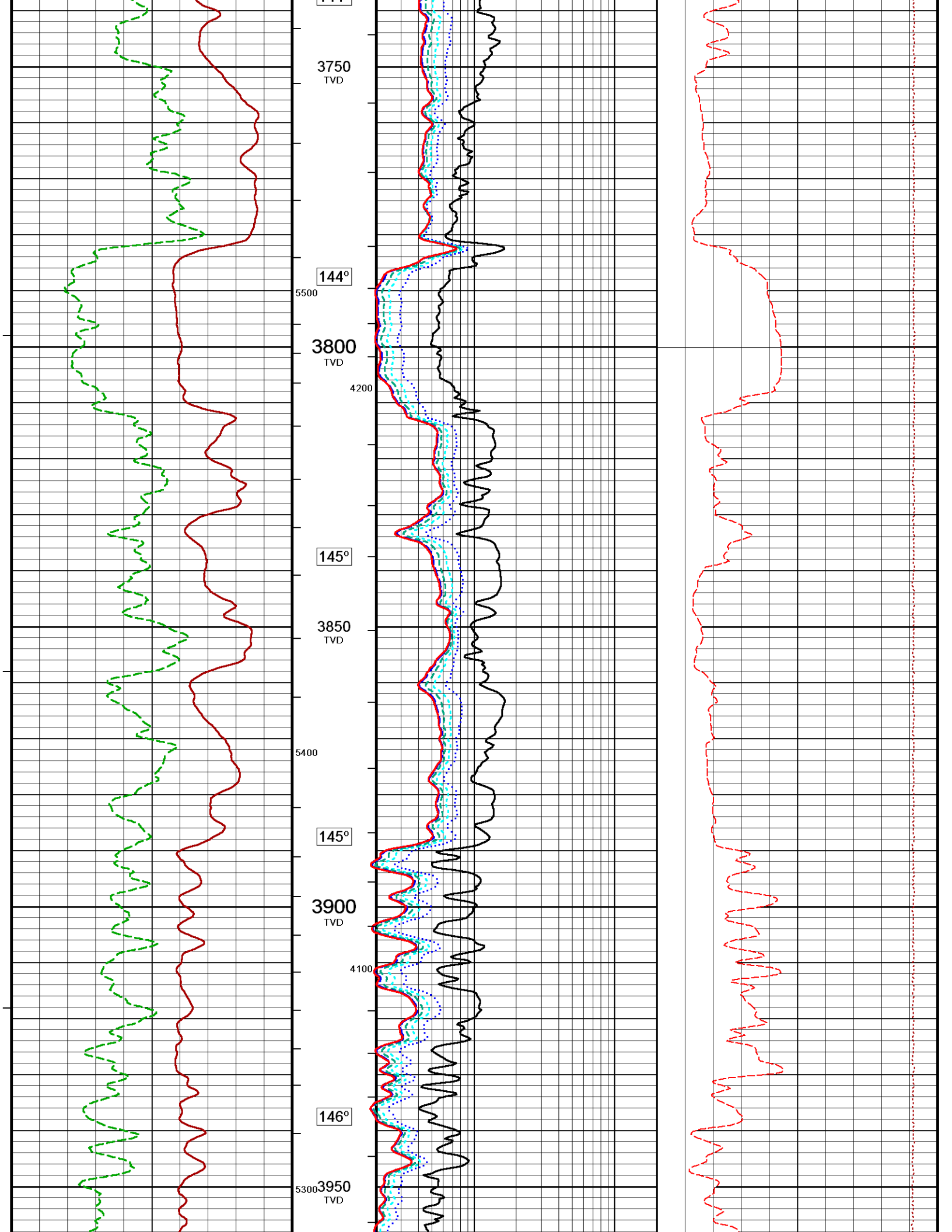
Plotted on 04-JUL-2012 00:20
Recorded on 03-JUL-2012 15:11

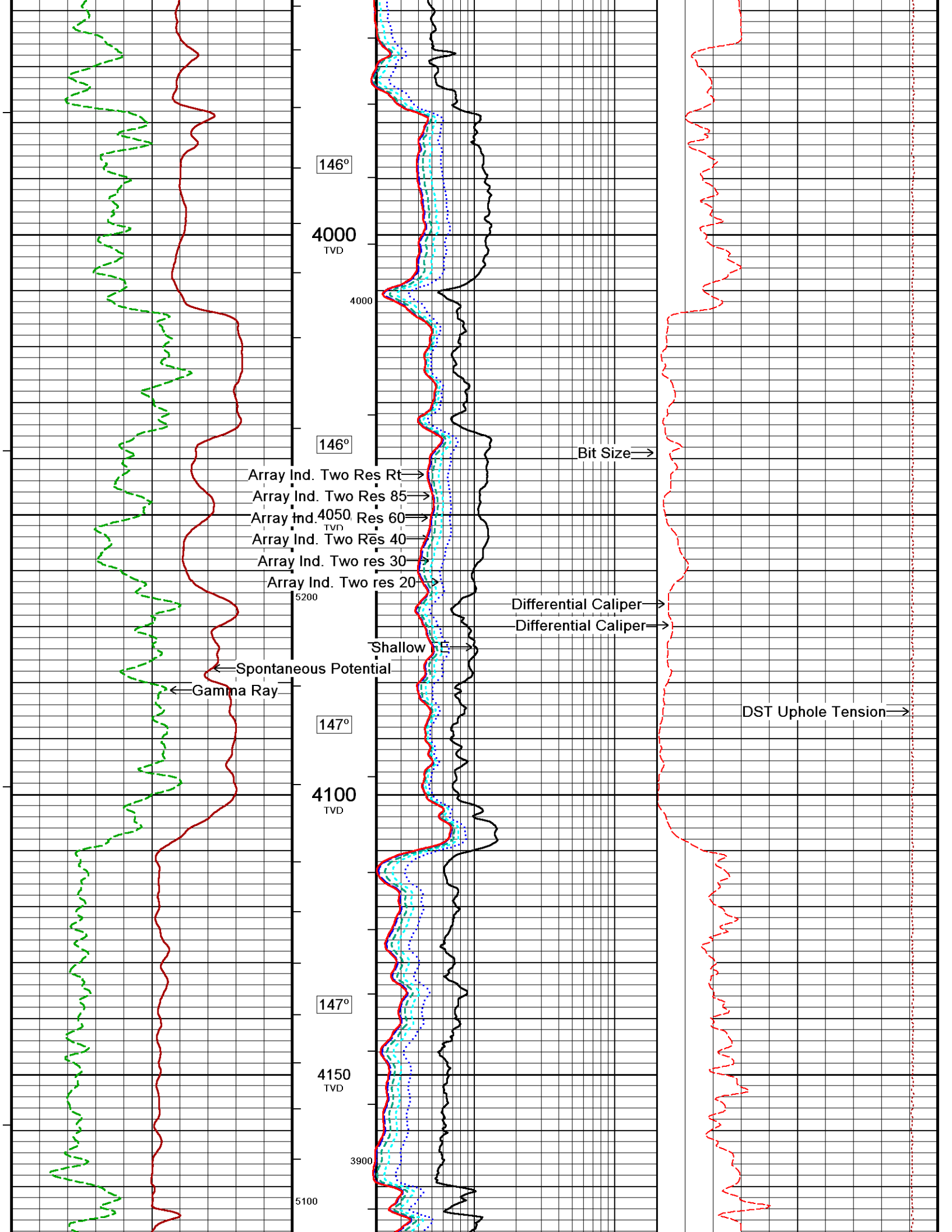


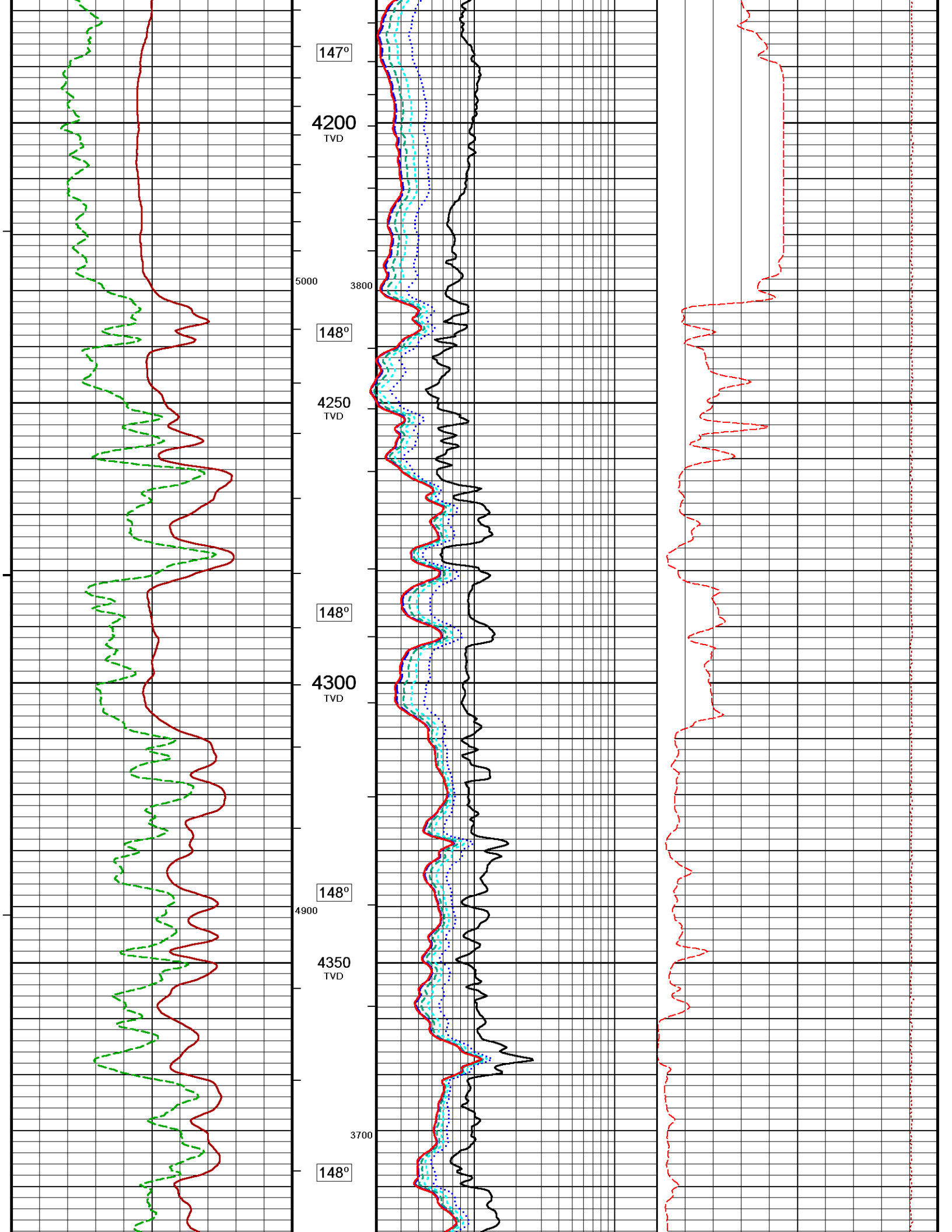

0.20
2000
1
10
100
1000
Array Ind. Two Res 85
ohm metres
0.20
2000
1
10
100
1000
Density Correction
grams/cc
-0.80
-0.30
0.20
Annular Integral every 10 cu ft
Array Ind. Two Res Rt
ohm metres
0.20
2000
1
10
100
1000
DST Uphole Tension
pounds
20000
10000
0
0
-10000
-20000
Apparent Water Res.
ohm metres
0
0.25
0.50
0
2.50
5
Sandstone Neutron Por.
percent
60
30
0
Sandstone Density Por.
percent
60
30
0
Replay Scale 1:240
3188
TVD
3200
TVD
Casing Shoe
Bit Size
Array Ind. Two Res Rt
Array Ind. Two Res 85
Array Ind. Two Res 60
142°
Array Ind. Two Res 40
Array Ind. Two res 30
Array Ind. Two res 20
3250
TVD
Differential Caliper
Differential Caliper
Shallow FE
Spontaneous Potential
Gamma Ray
6100
DST Uphole Tension
142°

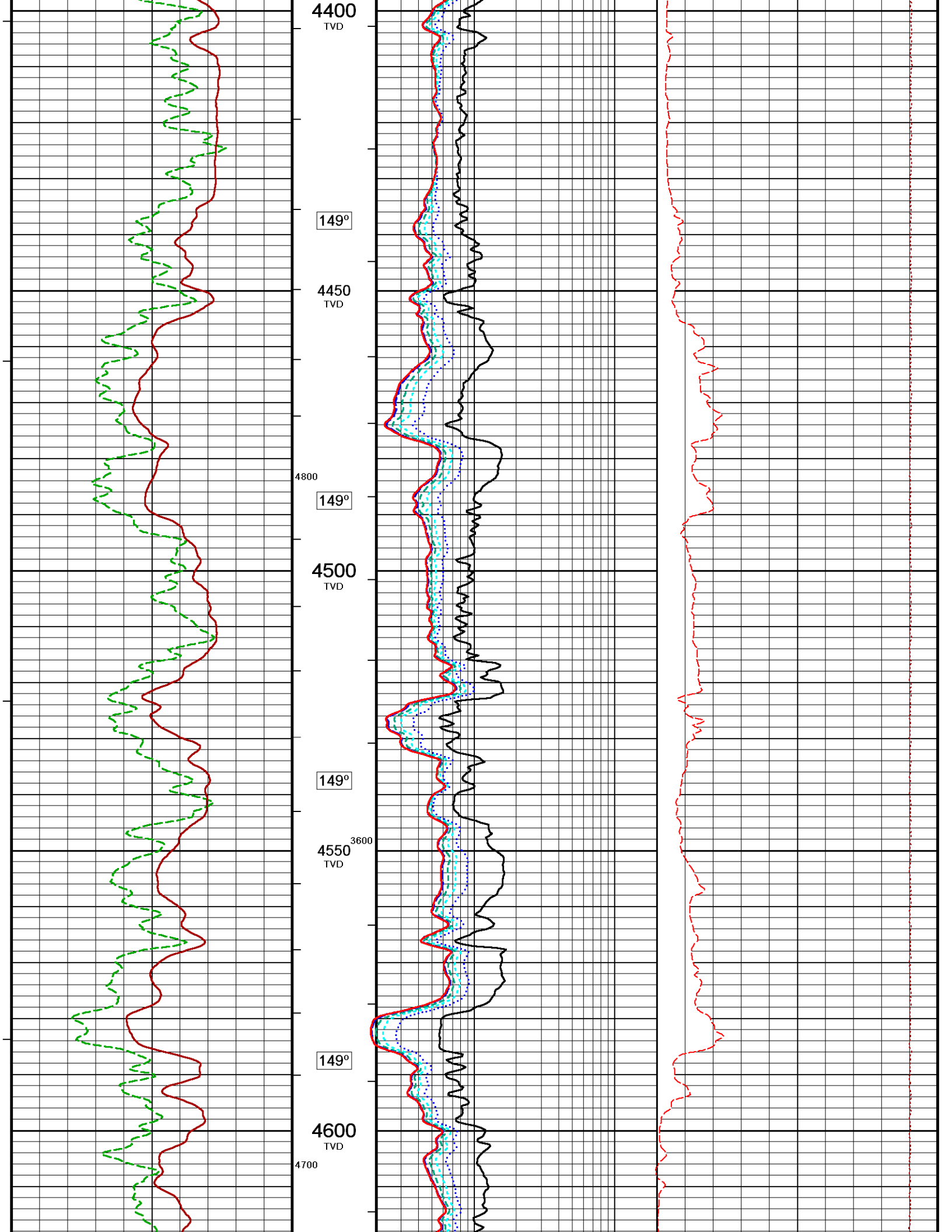

3300
TVD
4700
143°
6000
3350
TVD
4600
144°
5900
3400
TVD
4500
144°
5800
3450
TVD
144°
3500
TVD

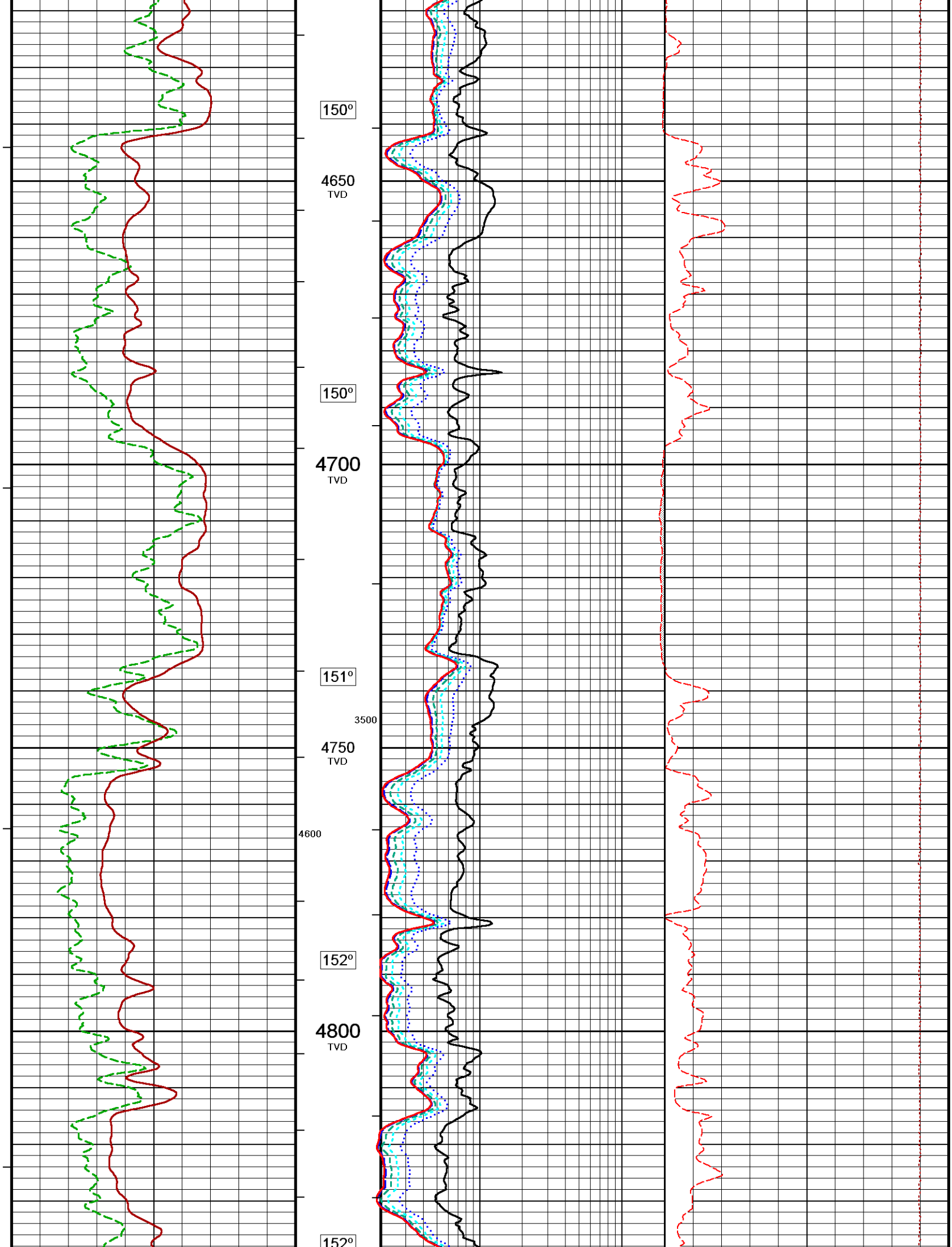

144°
3550
TVD
4400
5700
143°
3600
TVD
143°
3650
TVD
144°
5600
3700
TVD
4300
144°

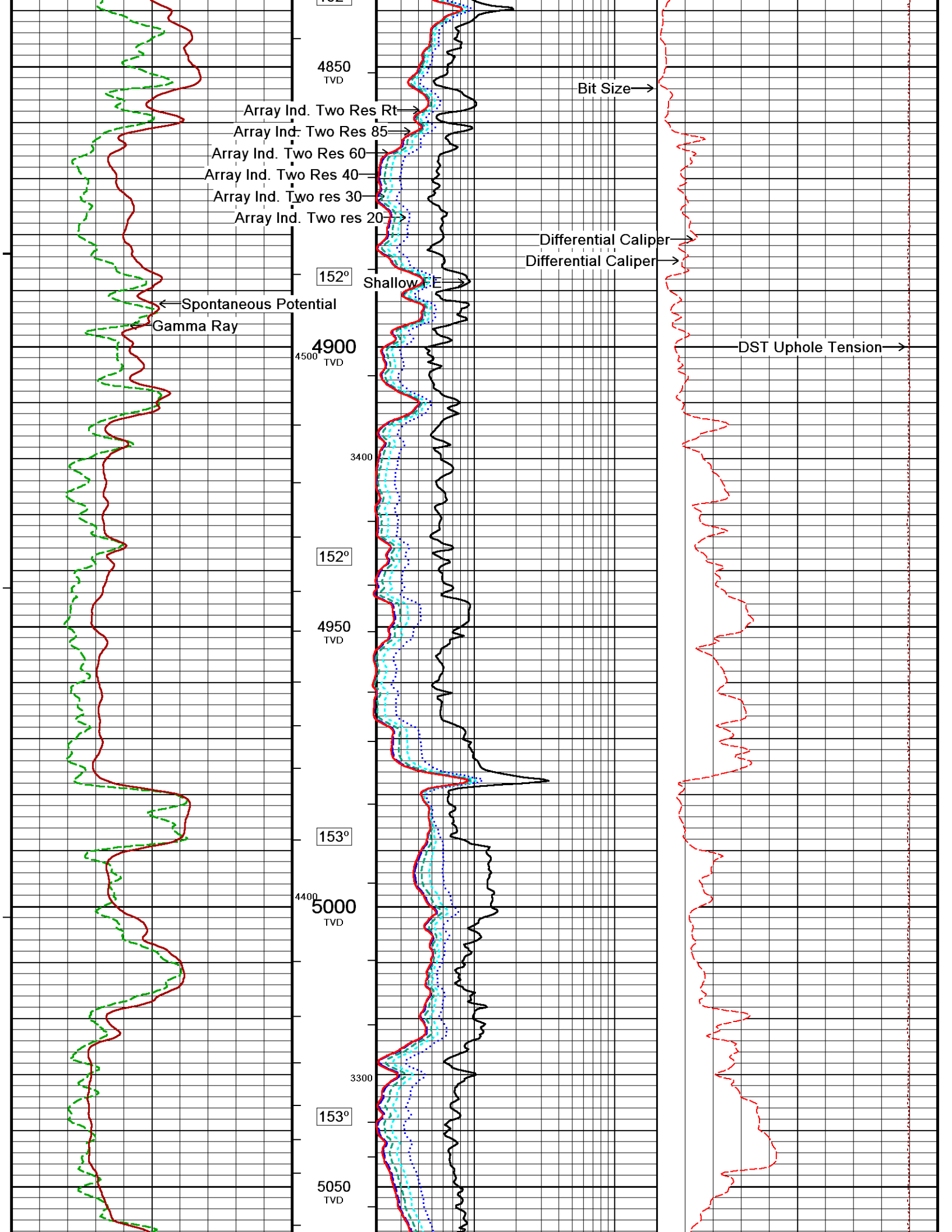

3750
TVD
144°
5500
3800
TVD
4200
145°
3850
TVD
5400
145°
3900
TVD
4100
146°
5300
3950
TVD

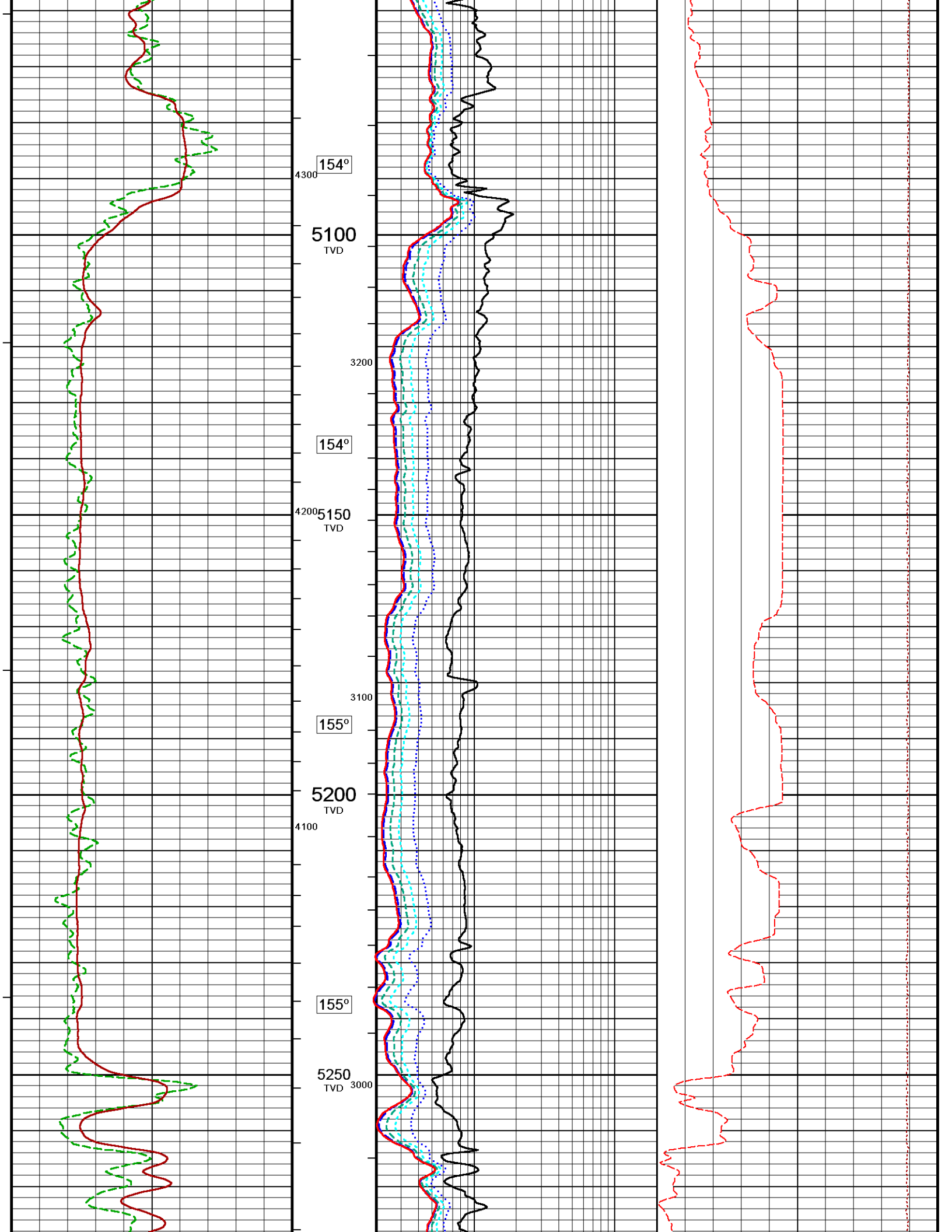

146°
4000
TVD
4000
146°
Bit Size
Array Ind. Two Res Rt
Array Ind. Two Res 85
Array Ind. Two Res 60
Array Ind. Two Res 40
Array Ind. Two res 30
Array Ind. Two res 20
4050
TVD
5200
Differential Caliper
Differential Caliper
Shallow
Spontaneous Potential
Gamma Ray
DST Uphole Tension
147°
4100
TVD
147°
4150
TVD
3900
5100

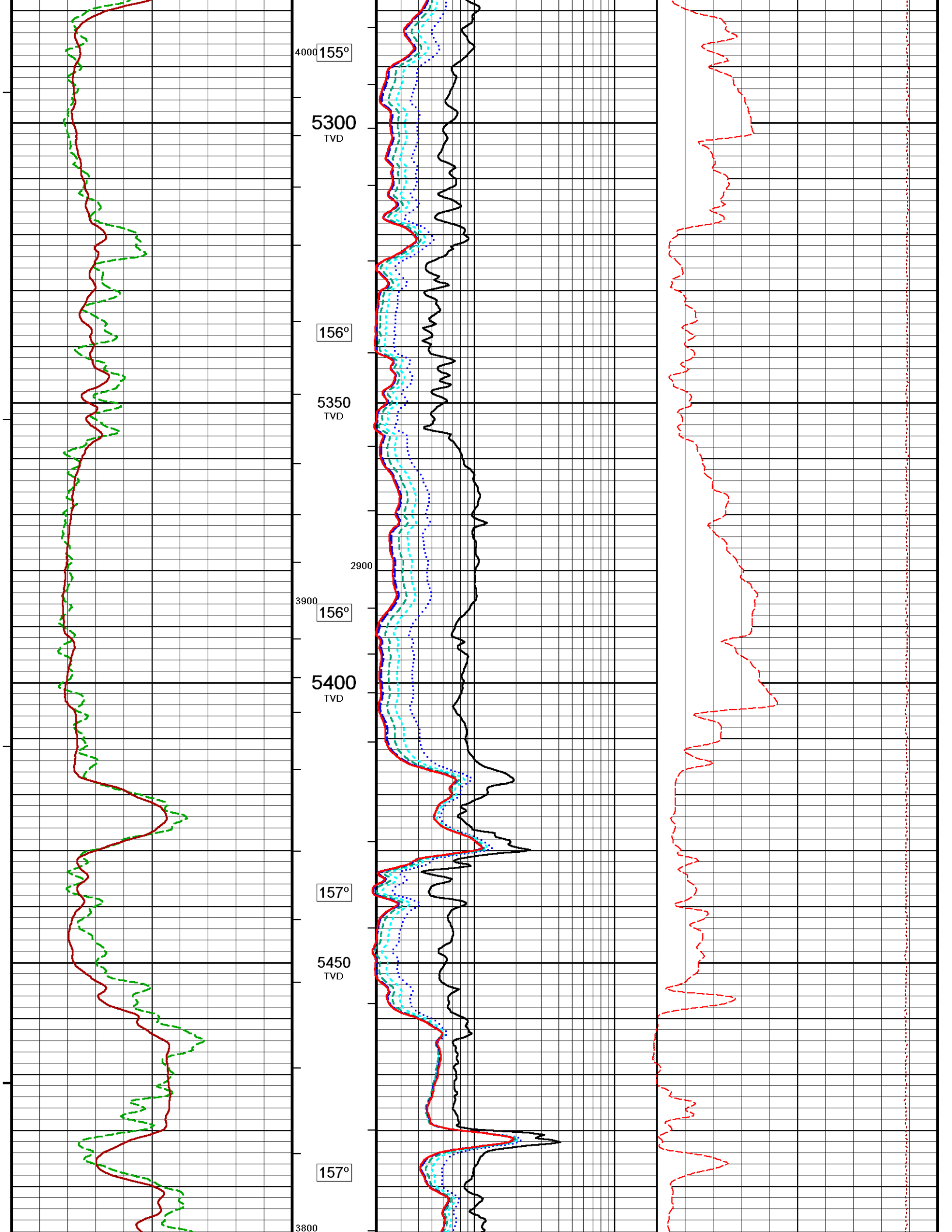

147°
4200
TVD
5000
3800
148°
4250
TVD
148°
4300
TVD
148°
4900
4350
TVD
3700
148°

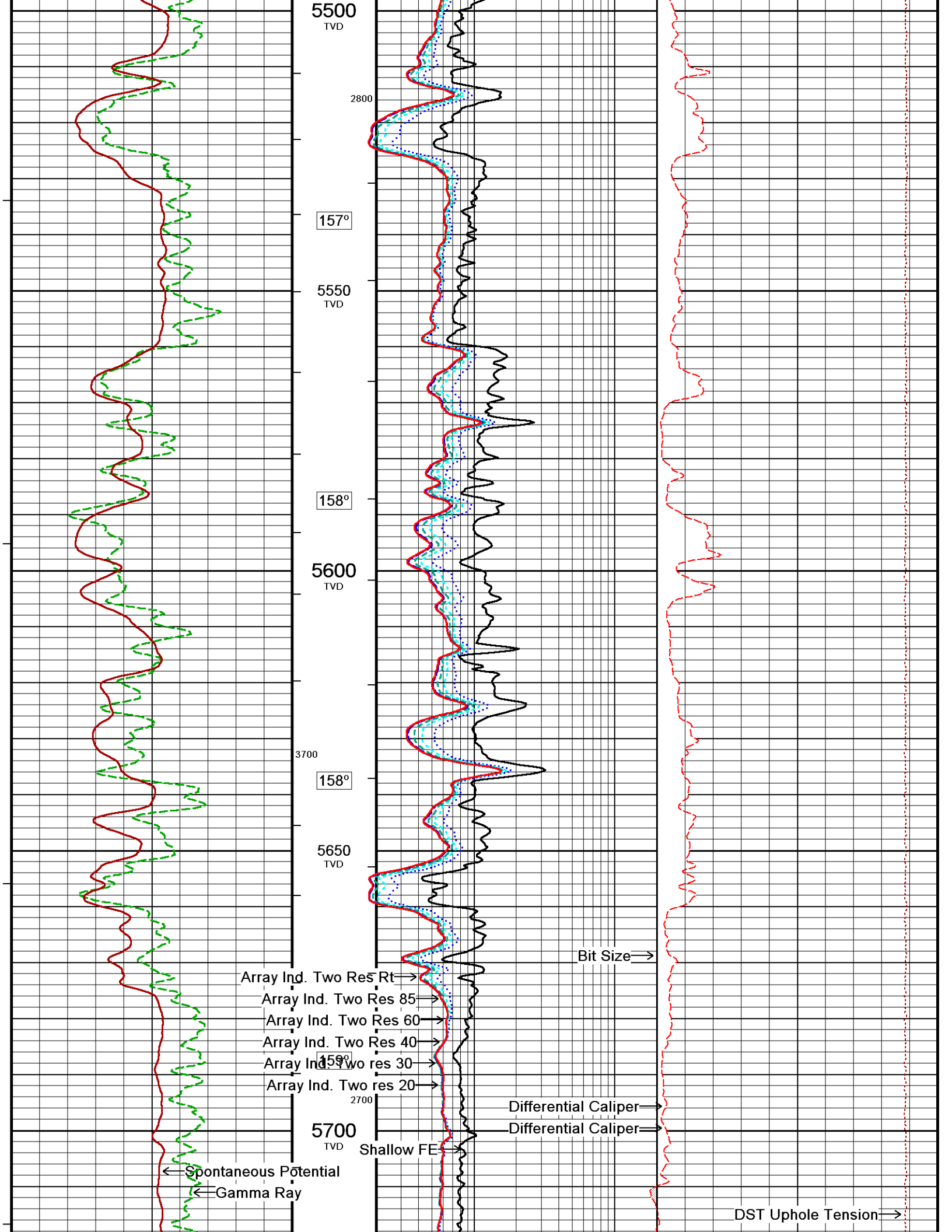

4400
TVD
149°
4450
TVD
4800
149°
4500
TVD
149°
4550
TVD
3600
149°
4600
TVD
4700

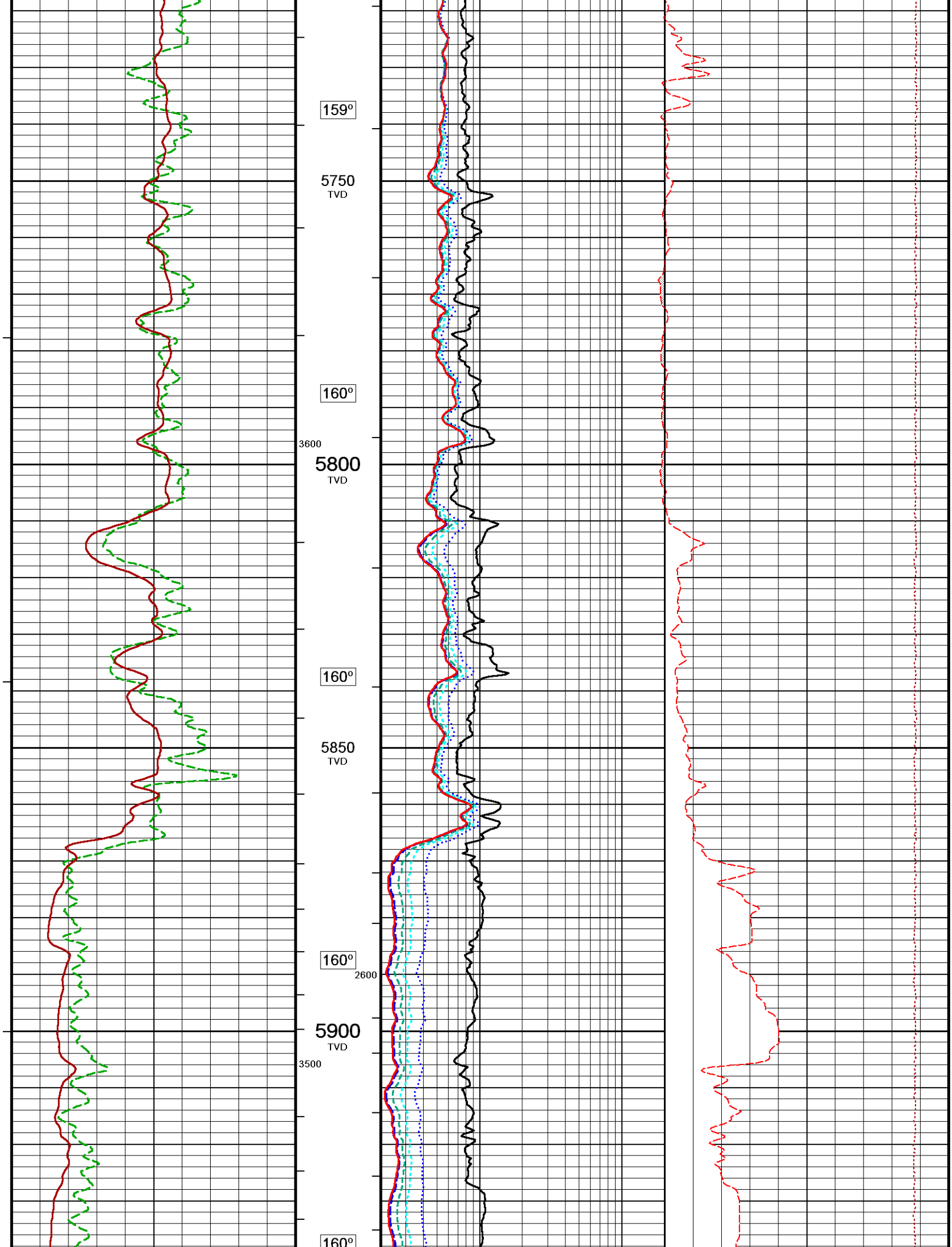

150°
4650
TVD
150°
4700
TVD
151°
3500
4750
TVD
4600
152°
4800
TVD
152°

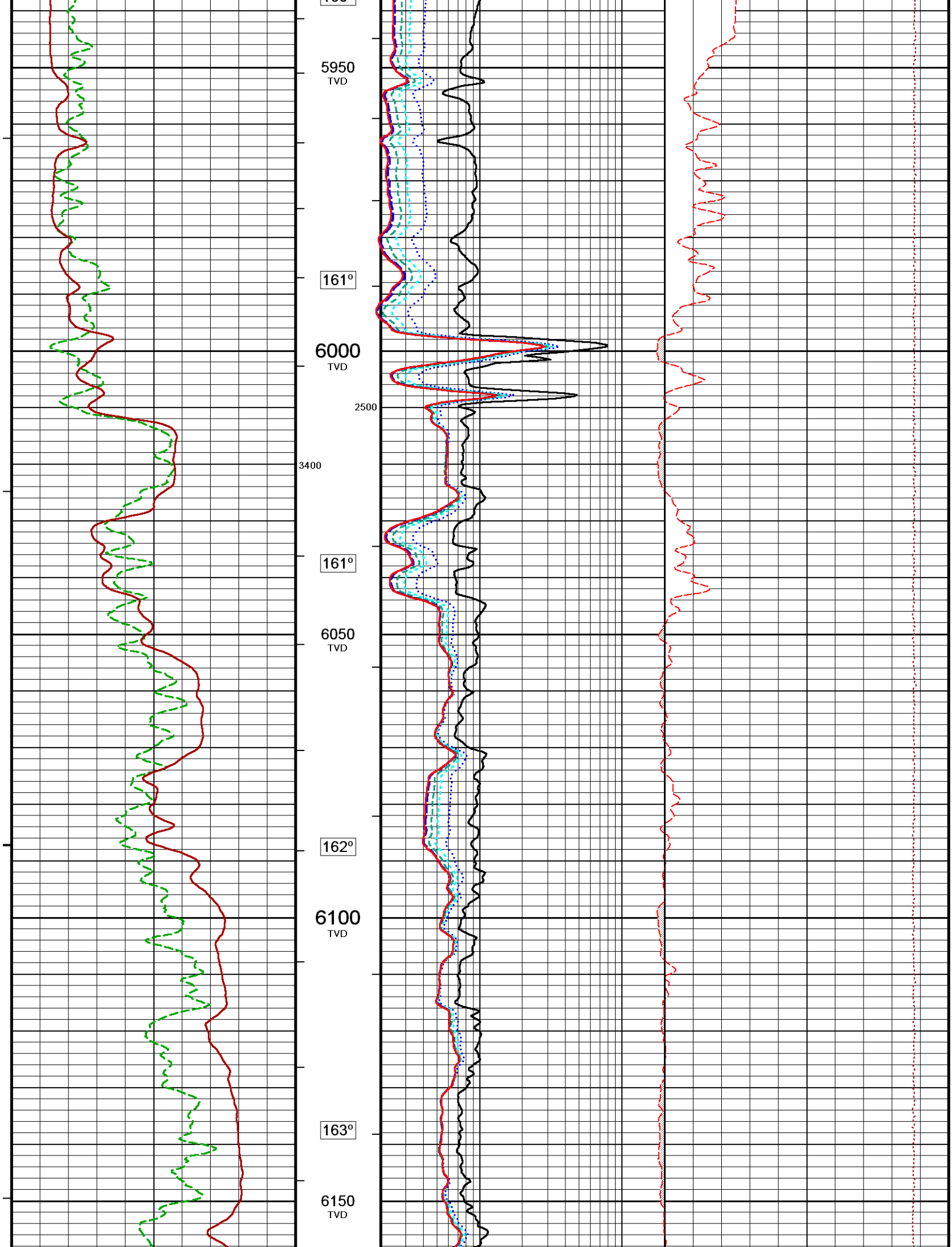

4850
TVD
Bit Size
Array Ind. Two Res Rt
Array Ind. Two Res 85
Array Ind. Two Res 60
Array Ind. Two Res 40
Array Ind. Two res 30
Array Ind. Two res 20
Differential Caliper
Differential Caliper
152°
Shallow FE
Spontaneous Potential
Gamma Ray
4500
4900
TVD
DST Uphole Tension
3400
152°
4950
TVD
153°
4400
5000
TVD
3300
153°
5050
TVD

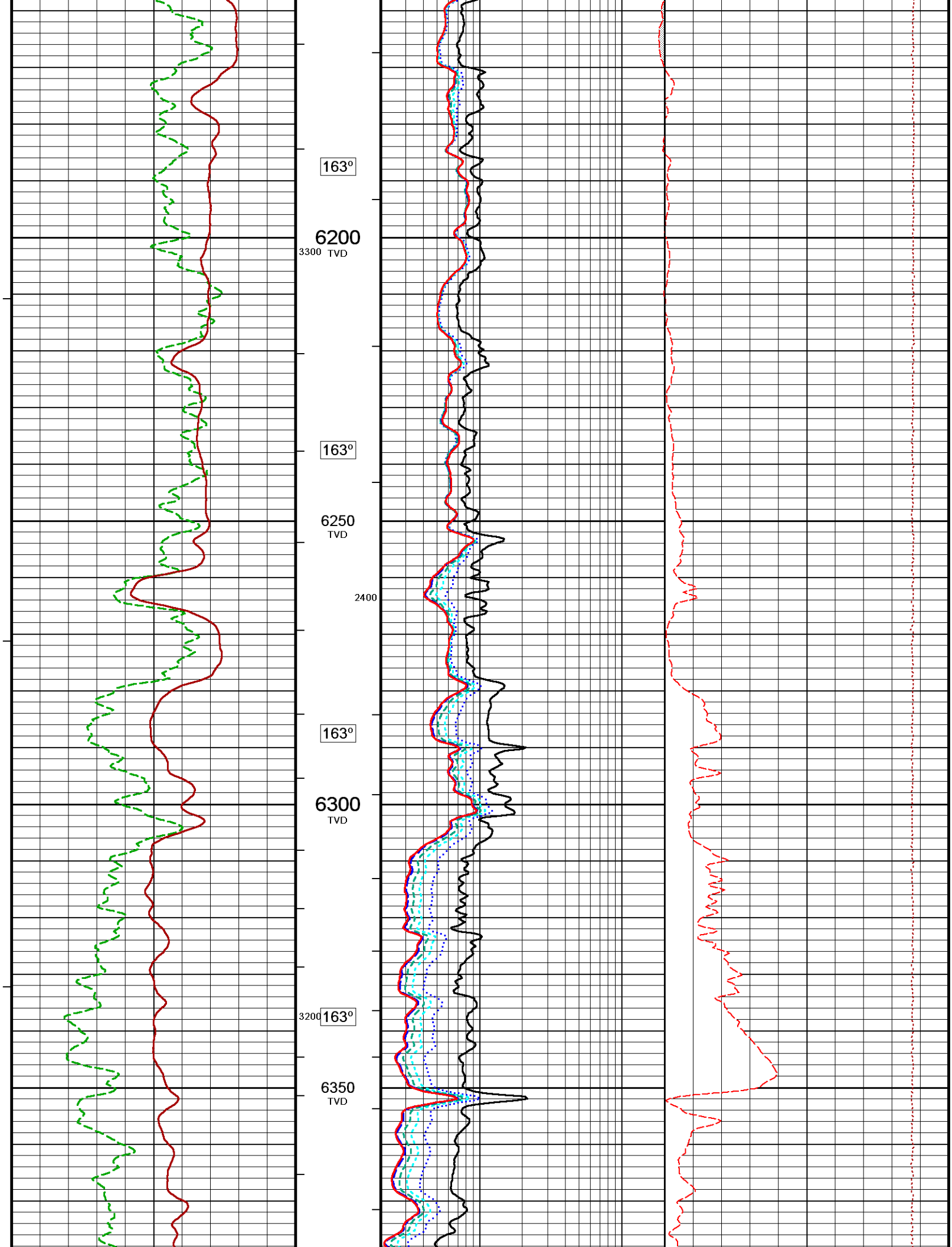

154°
4300
5100
TVD
3200
154°
4200
5150
TVD
3100
155°
5200
TVD
4100
155°
5250
TVD
3000

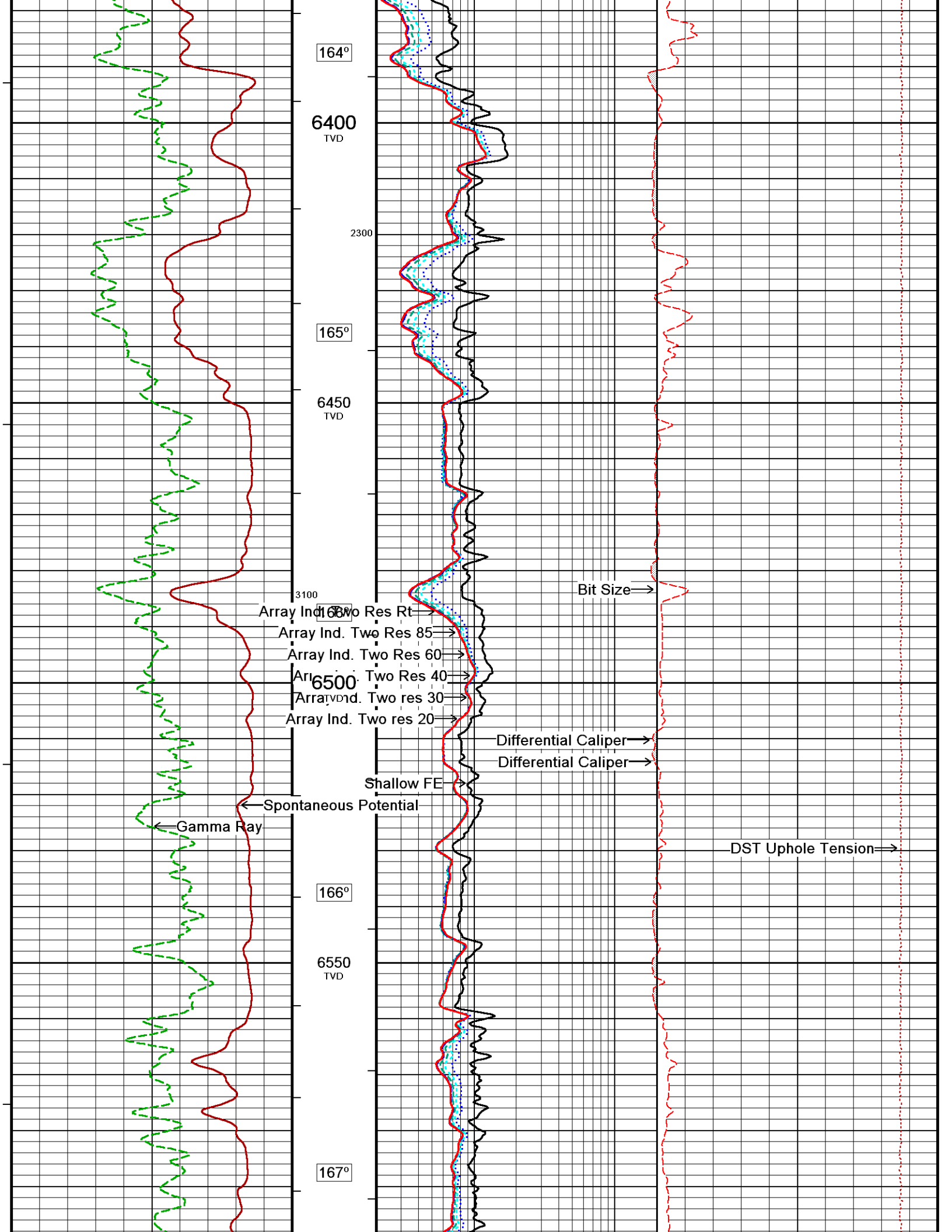

4000
155°
5300
TVD
156°
5350
TVD
2900
3900
156°
5400
TVD
157°
5450
TVD
157°
3800

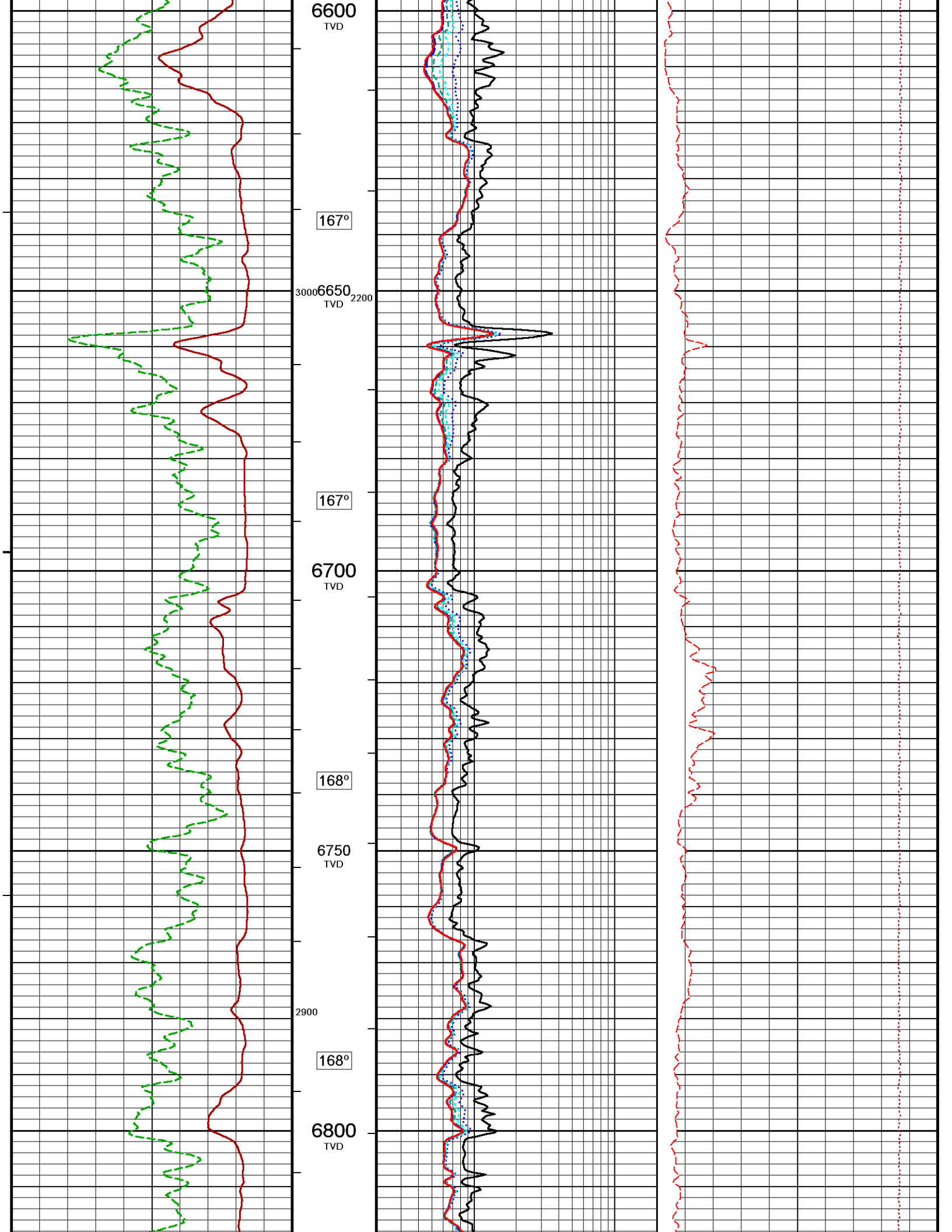

5500
TVD
2800
157°
5550
TVD
158°
5600
TVD
3700
158°
5650
TVD
159°
2700
5700
TVD
Bit Size
Array Ind. Two Res Rt
Array Ind. Two Res 85
Array Ind. Two Res 60
Array Ind. Two Res 40
Array Ind. Two res 30
Array Ind. Two res 20
Differential Caliper
Differential Caliper
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension

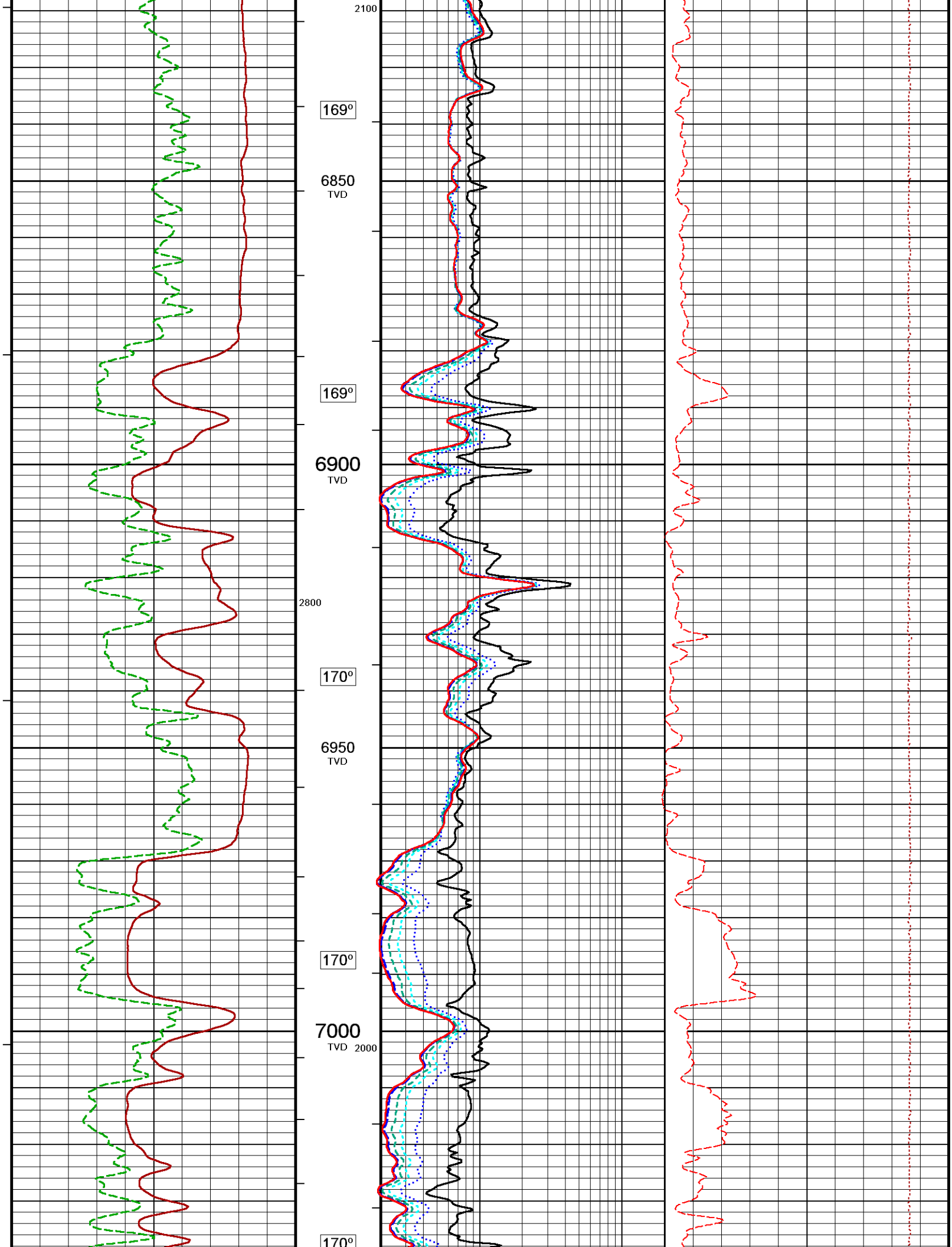

159°
5750
TVD
160°
3600
5800
TVD
160°
5850
TVD
160°
2600
5900
TVD
3500
160°

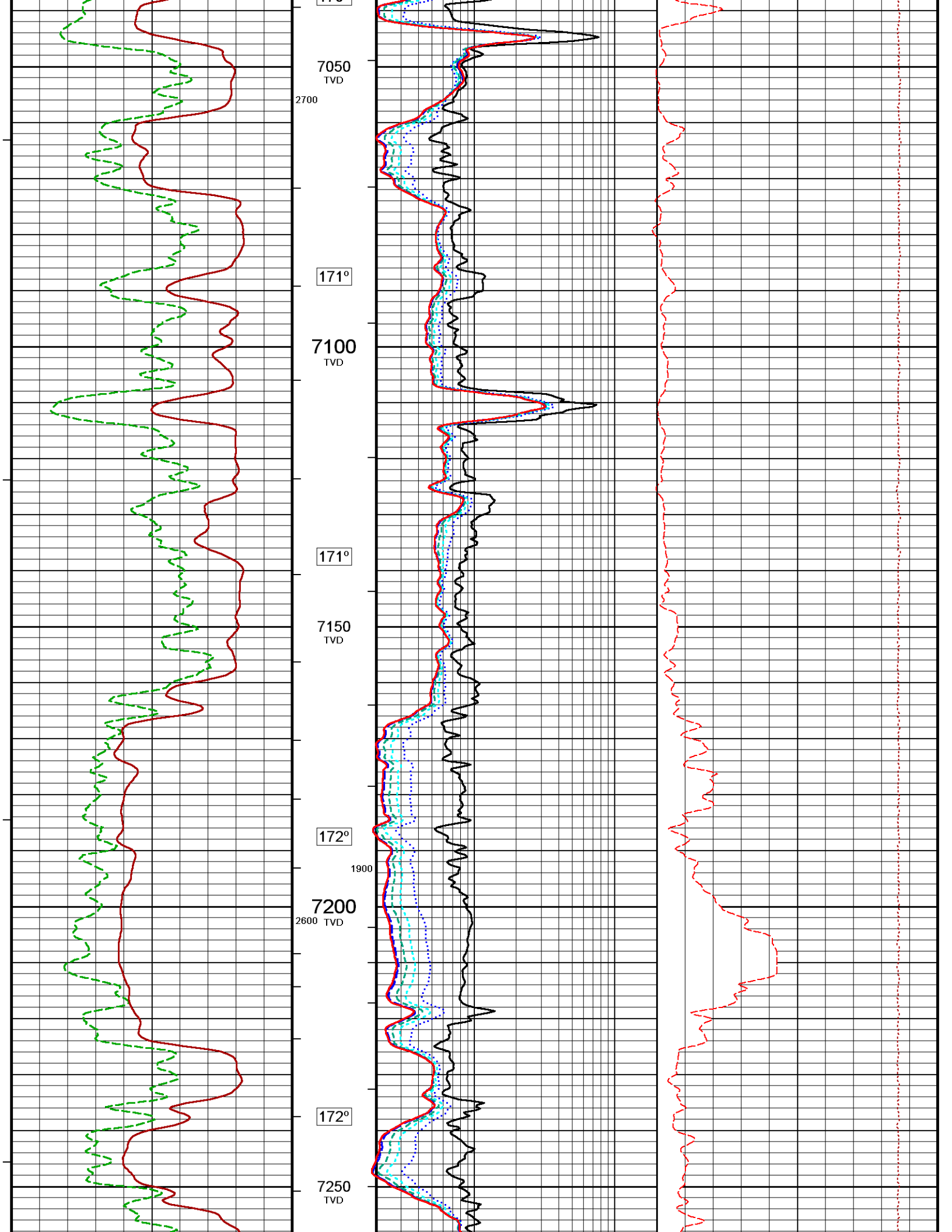

5950
TVD
161°
6000
TVD
2500
3400
161°
6050
TVD
162°
6100
TVD
163°
6150
TVD

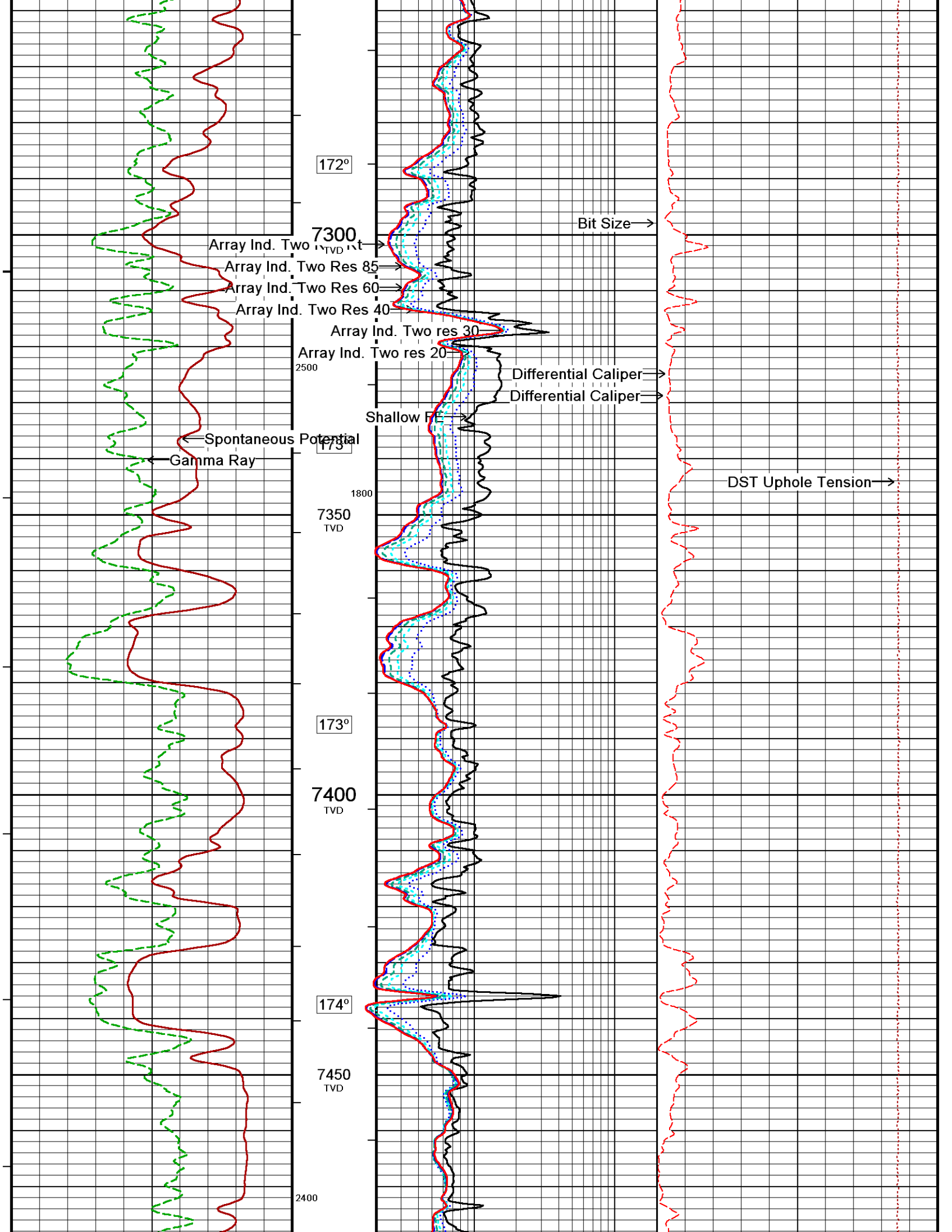

163°
6200
3300 TVD
163°
6250
TVD
2400
163°
6300
TVD
3200
163°
6350
TVD

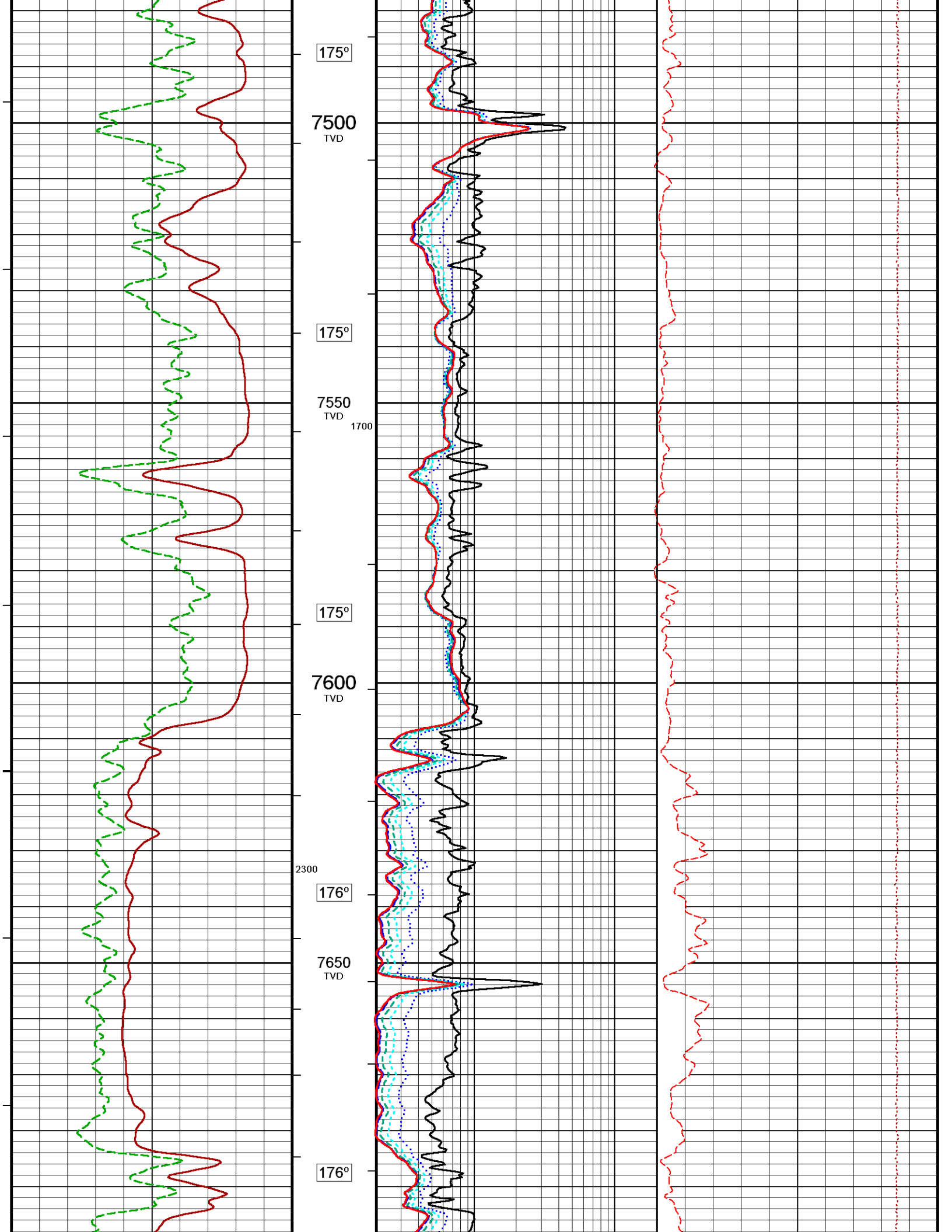

164°
6400
TVD
2300
165°
6450
TVD
3100
166°
6500
TVD
166°
6550
TVD
167°
Array Ind. Two Res Rt
Array Ind. Two Res 85
Array Ind. Two Res 60
Array Ind. Two Res 40
Array Ind. Two res 30
Array Ind. Two res 20
Bit Size
Differential Caliper
Differential Caliper
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension

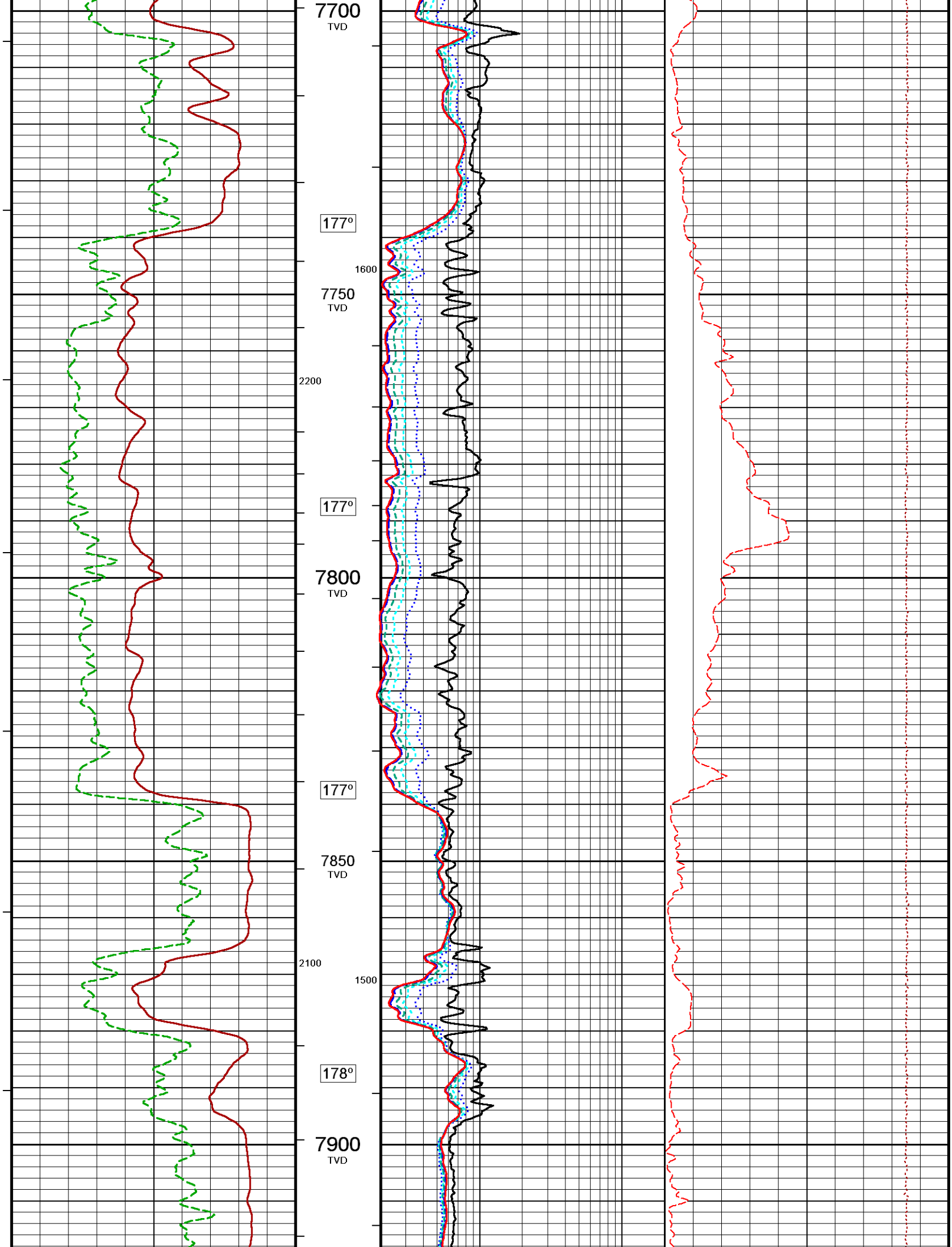

6600
TVD
167°
3000
6650
2200
TVD
167°
6700
TVD
168°
6750
TVD
2900
168°
6800
TVD

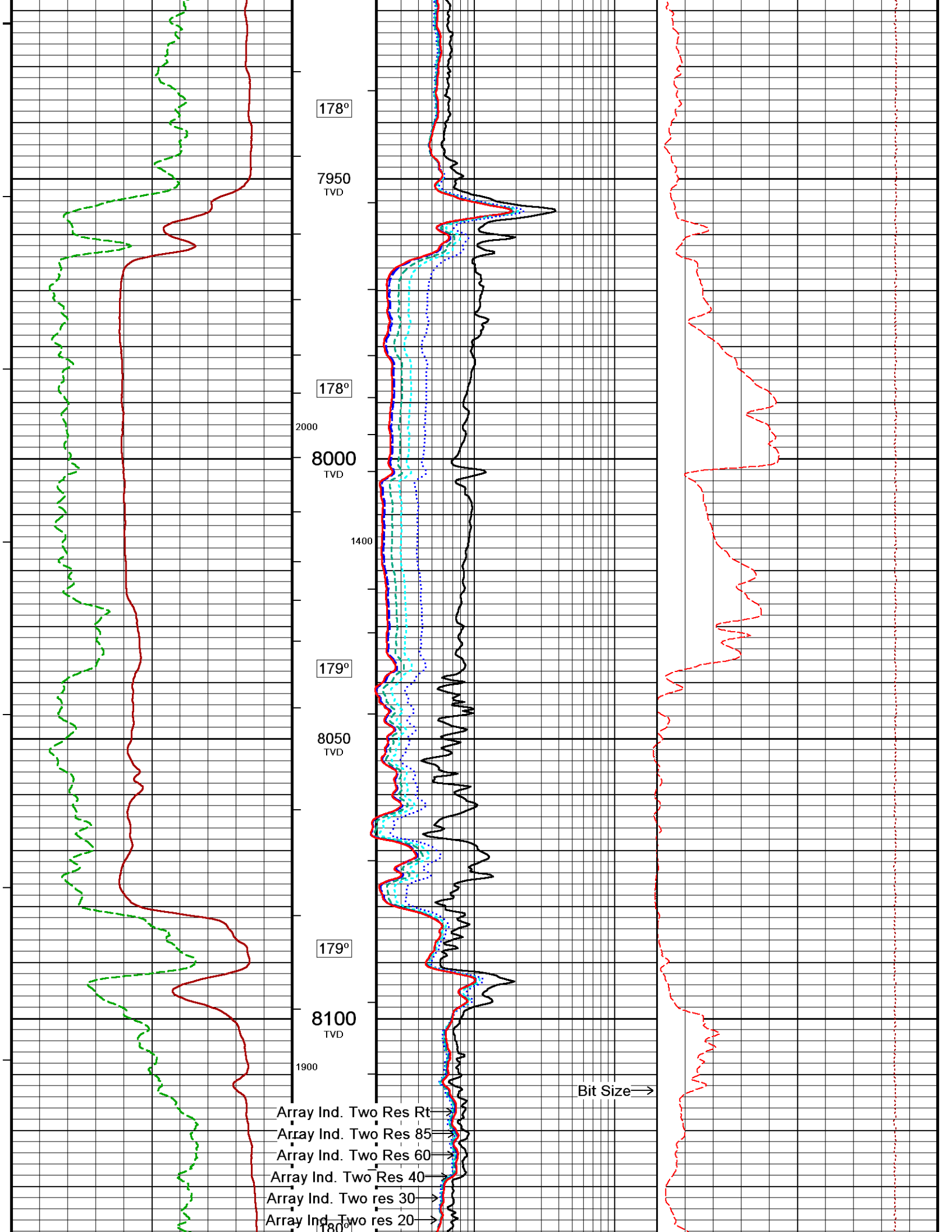

2100
169°
6850
TVD
169°
6900
TVD
2800
170°
6950
TVD
170°
7000
TVD
2000
170°

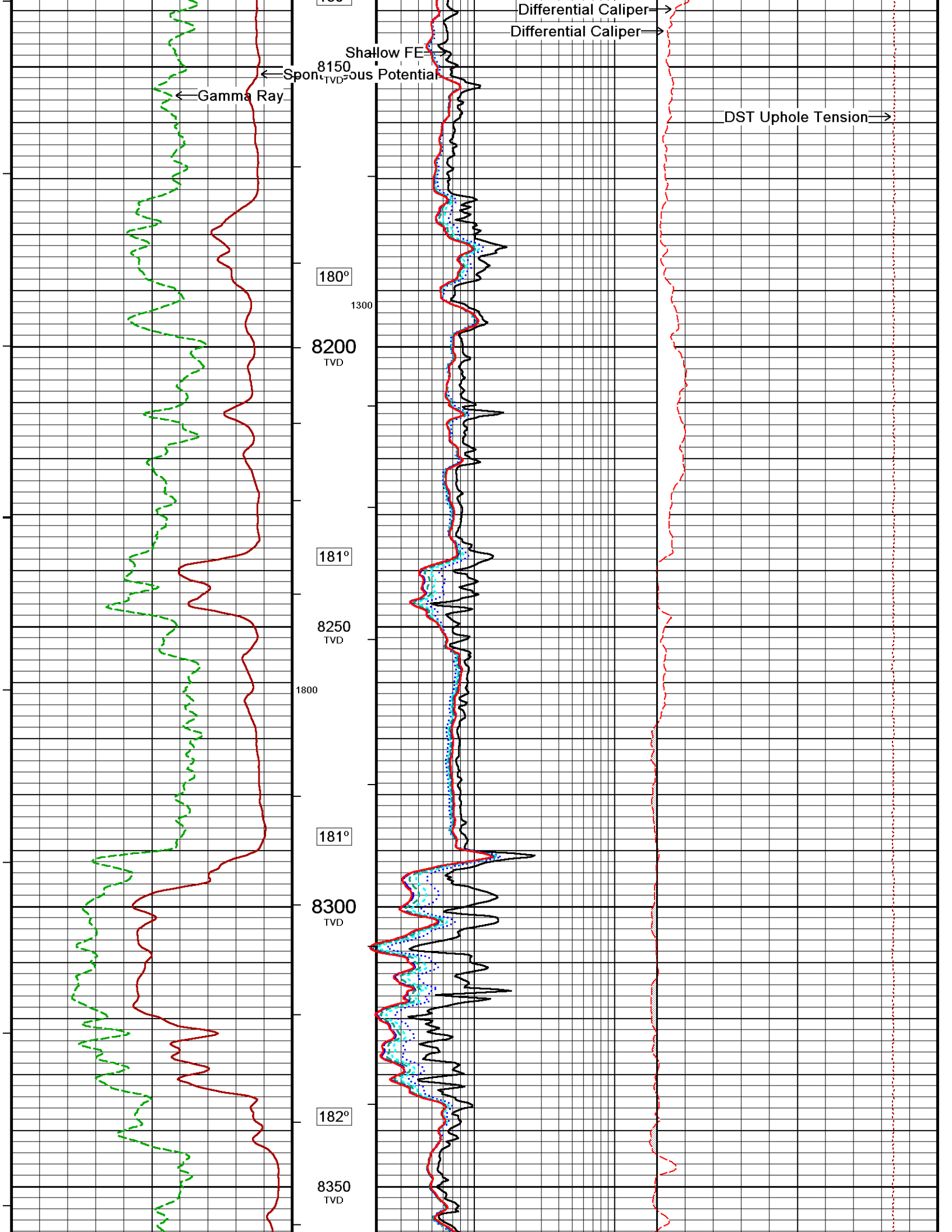

7050
TVD
2700
171°
7100
TVD
171°
7150
TVD
172°
1900
7200
2600
TVD
172°
7250
TVD

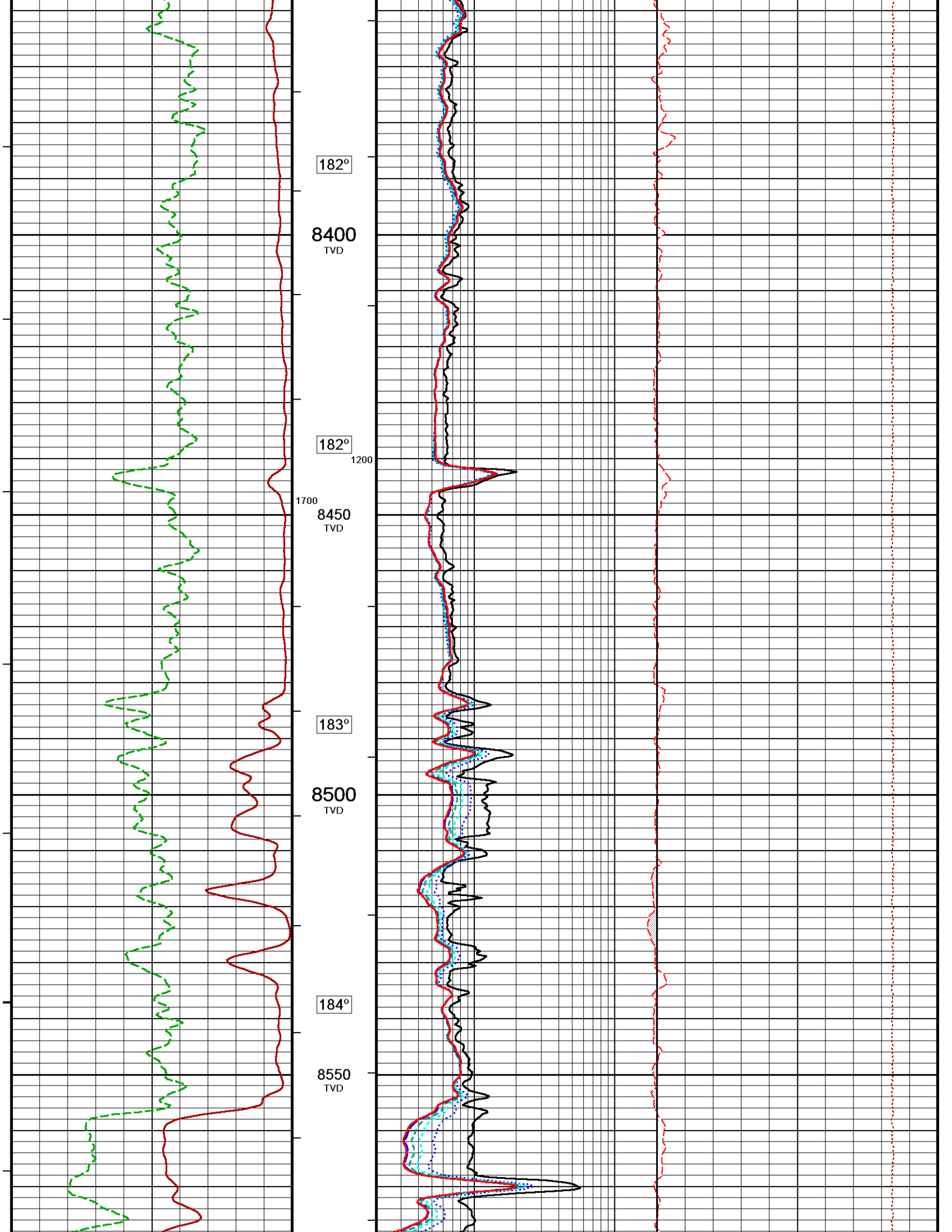

172°
7300
TVD
Bit Size
Array Ind. Two Rt
Array Ind. Two Res 85
Array Ind. Two Res 60
Array Ind. Two Res 40
Array Ind. Two res 30
Array Ind. Two res 20
2500
Differential Caliper
Differential Caliper
Shallow RT
Spontaneous Potential
Gamma Ray
173°
1800
DST Uphole Tension
7350
TVD
173°
7400
TVD
174°
7450
TVD
2400

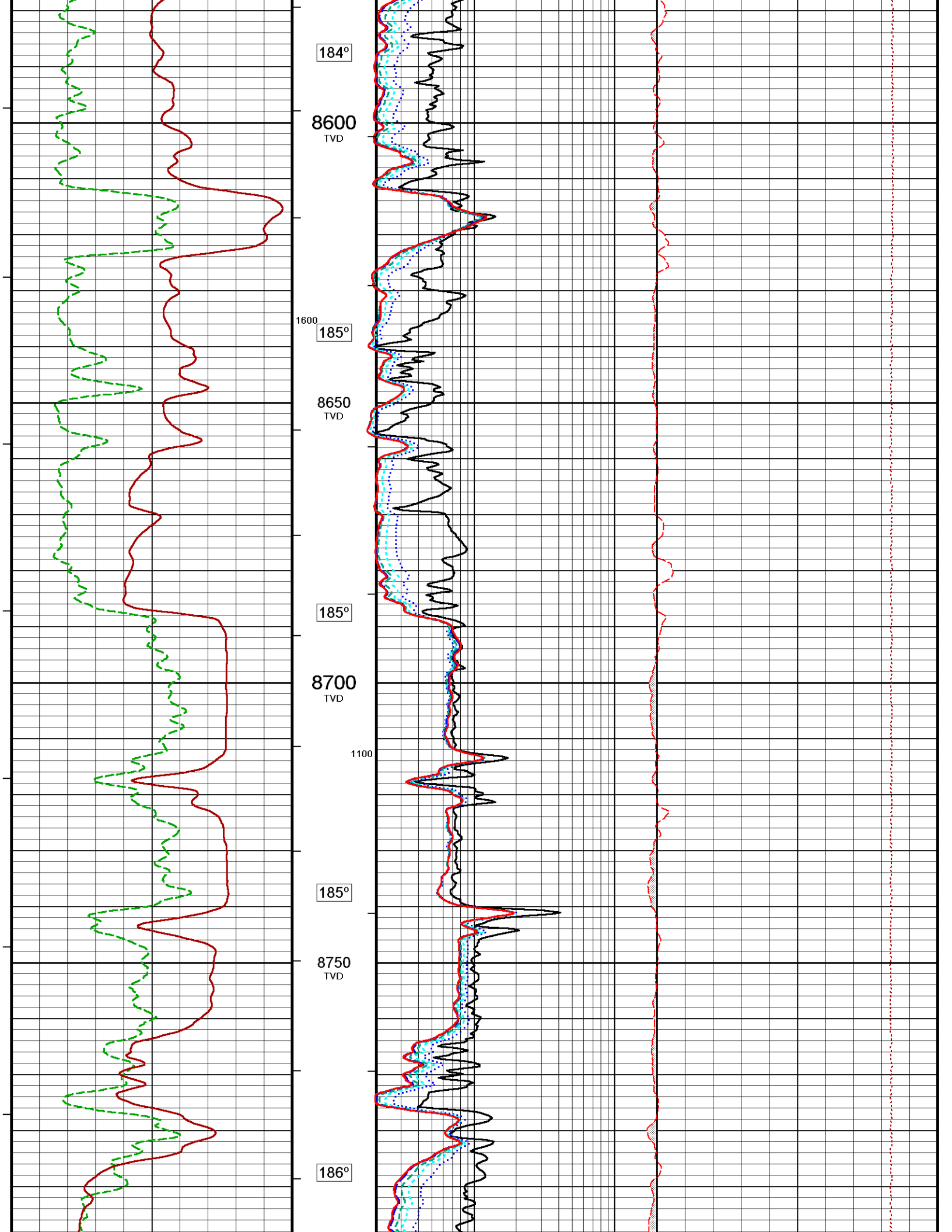

175°
7500
TVD
175°
7550
TVD
1700
175°
7600
TVD
2300
176°
7650
TVD
176°

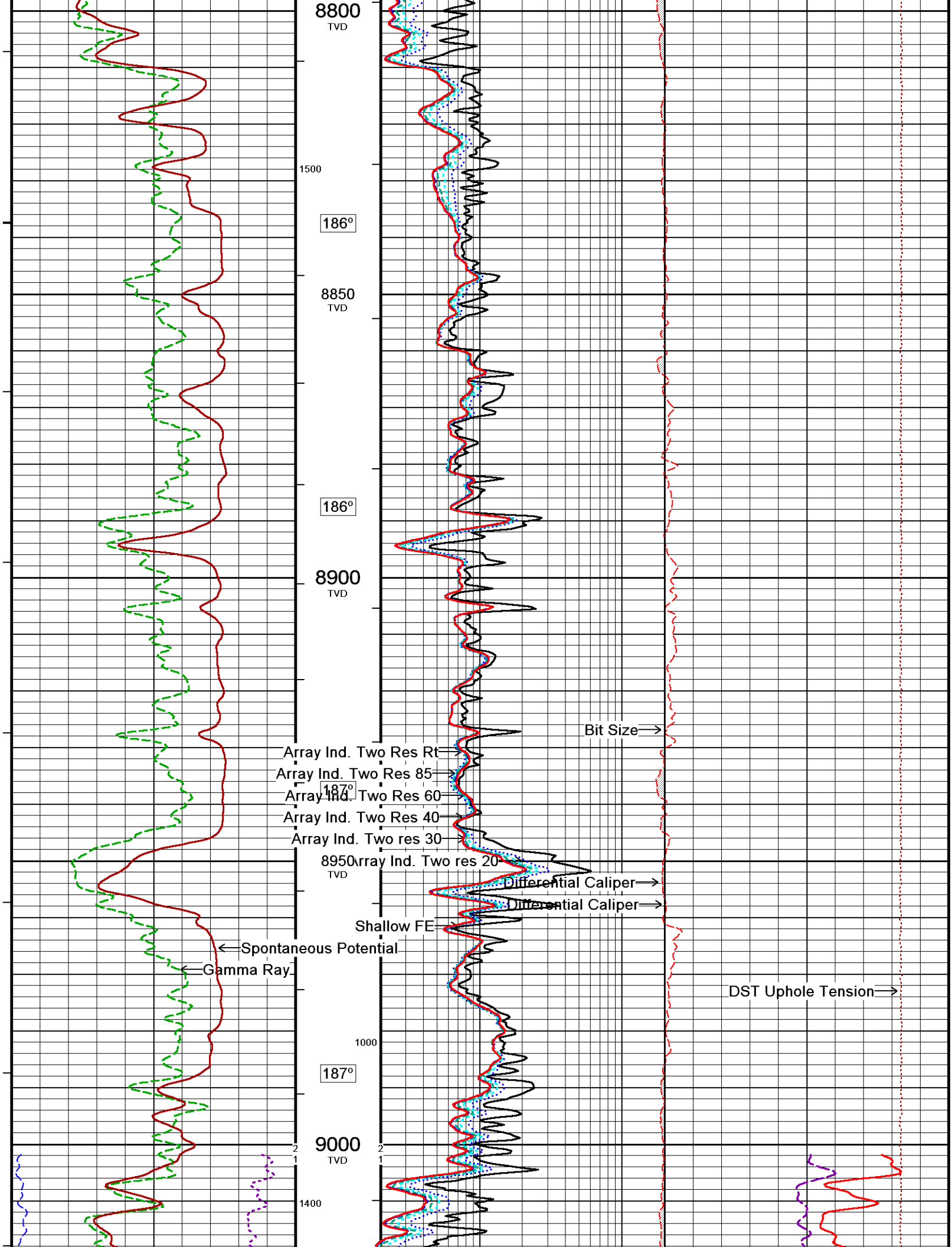

7700
TVD
177°
1600
7750
TVD
2200
177°
7800
TVD
177°
7850
TVD
2100
1500
178°
7900
TVD

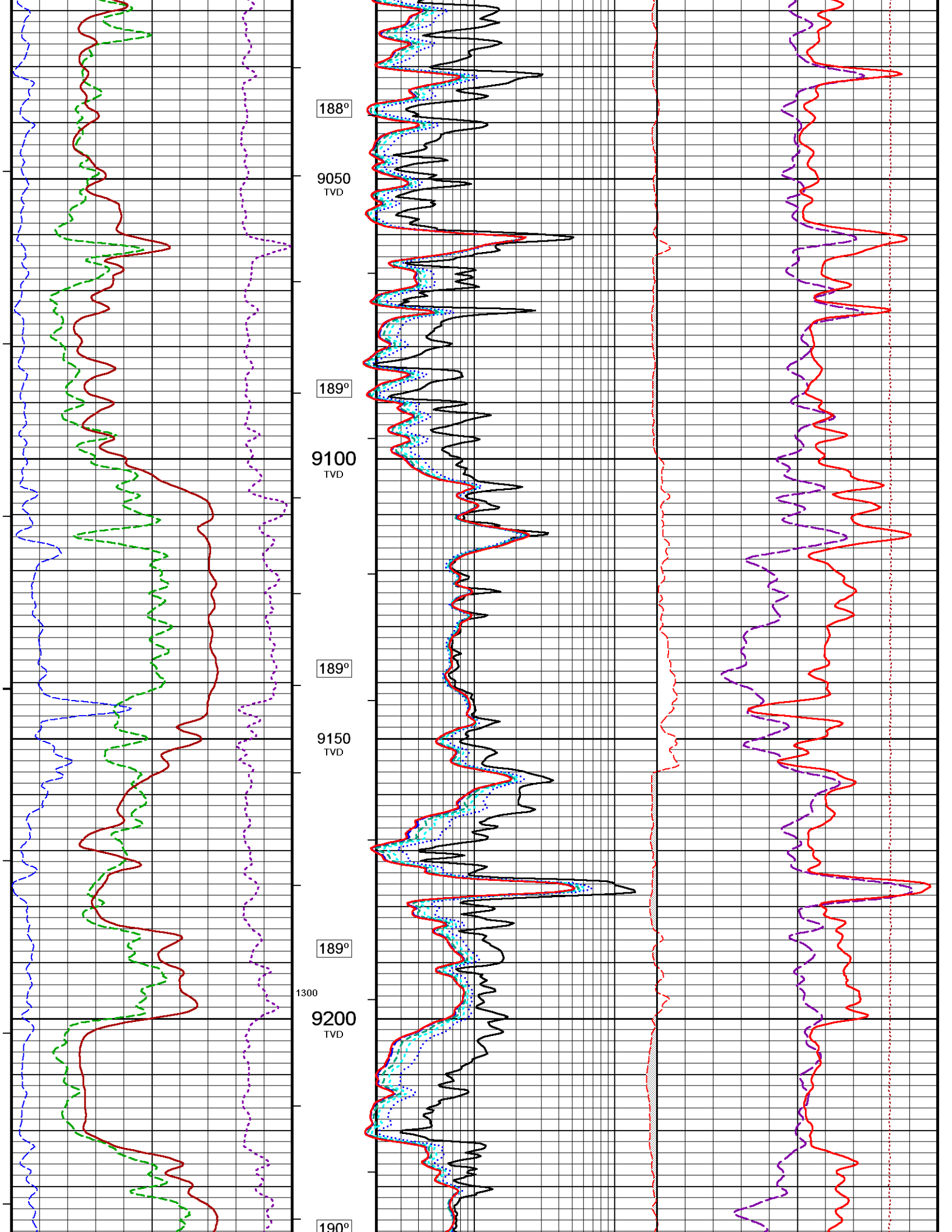

178°
7950
TVD
178°
2000
8000
TVD
1400
179°
8050
TVD
179°
8100
TVD
1900
Bit Size
Array Ind. Two Res Rt
Array Ind. Two Res 85
Array Ind. Two Res 60
Array Ind. Two Res 40
Array Ind. Two res 30
Array Ind. Two res 20
180°

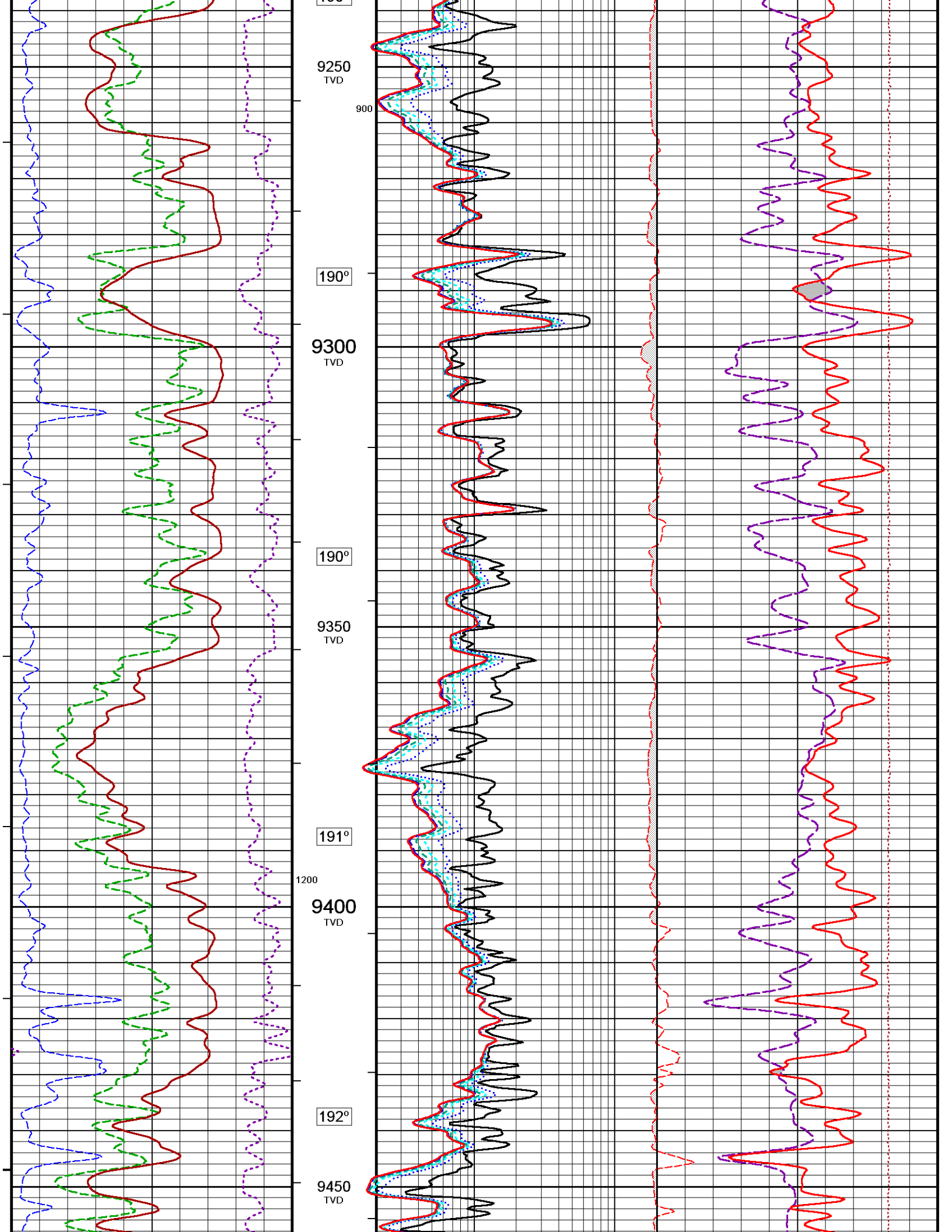

Differential Caliper
Differential Caliper
Shallow FE
8150
TVD
Spontaneous Potential
Gamma Ray
DST Uphole Tension
180°
1300
8200
TVD
181°
8250
TVD
1800
181°
8300
TVD
182°
8350
TVD

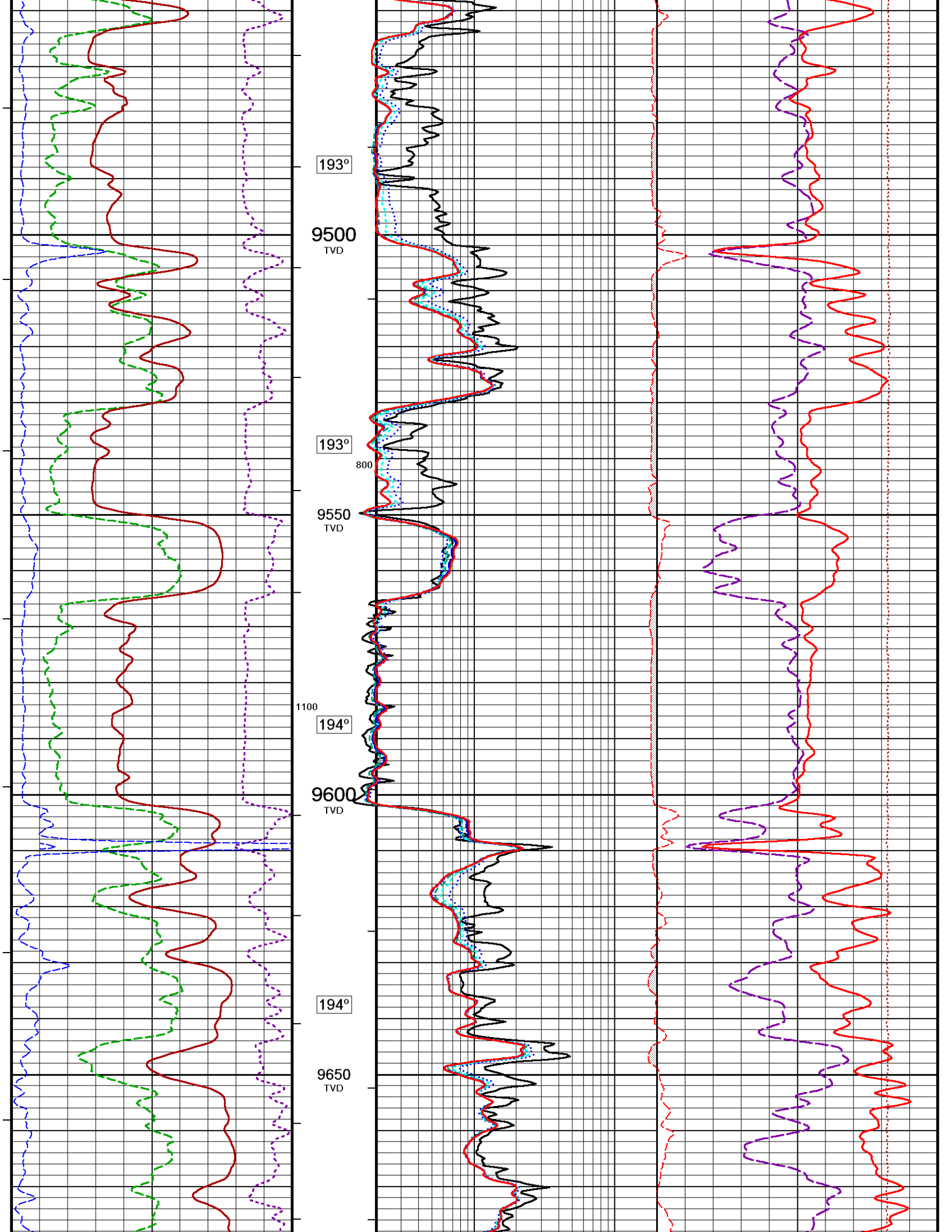

182°
8400
TVD
182°
1200
1700
8450
TVD
183°
8500
TVD
184°
8550
TVD

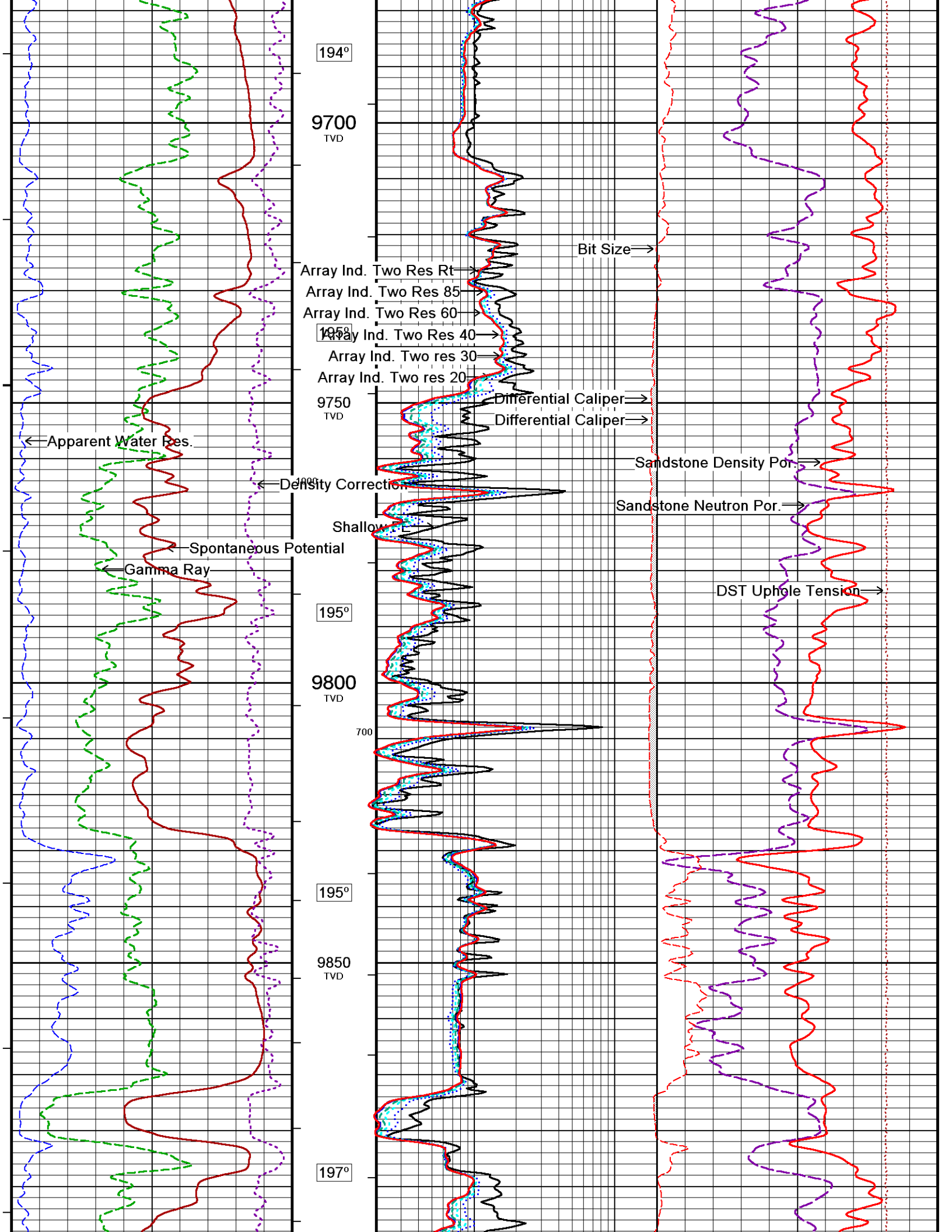

184°
8600
TVD
1600
185°
8650
TVD
185°
8700
TVD
1100
185°
8750
TVD
186°

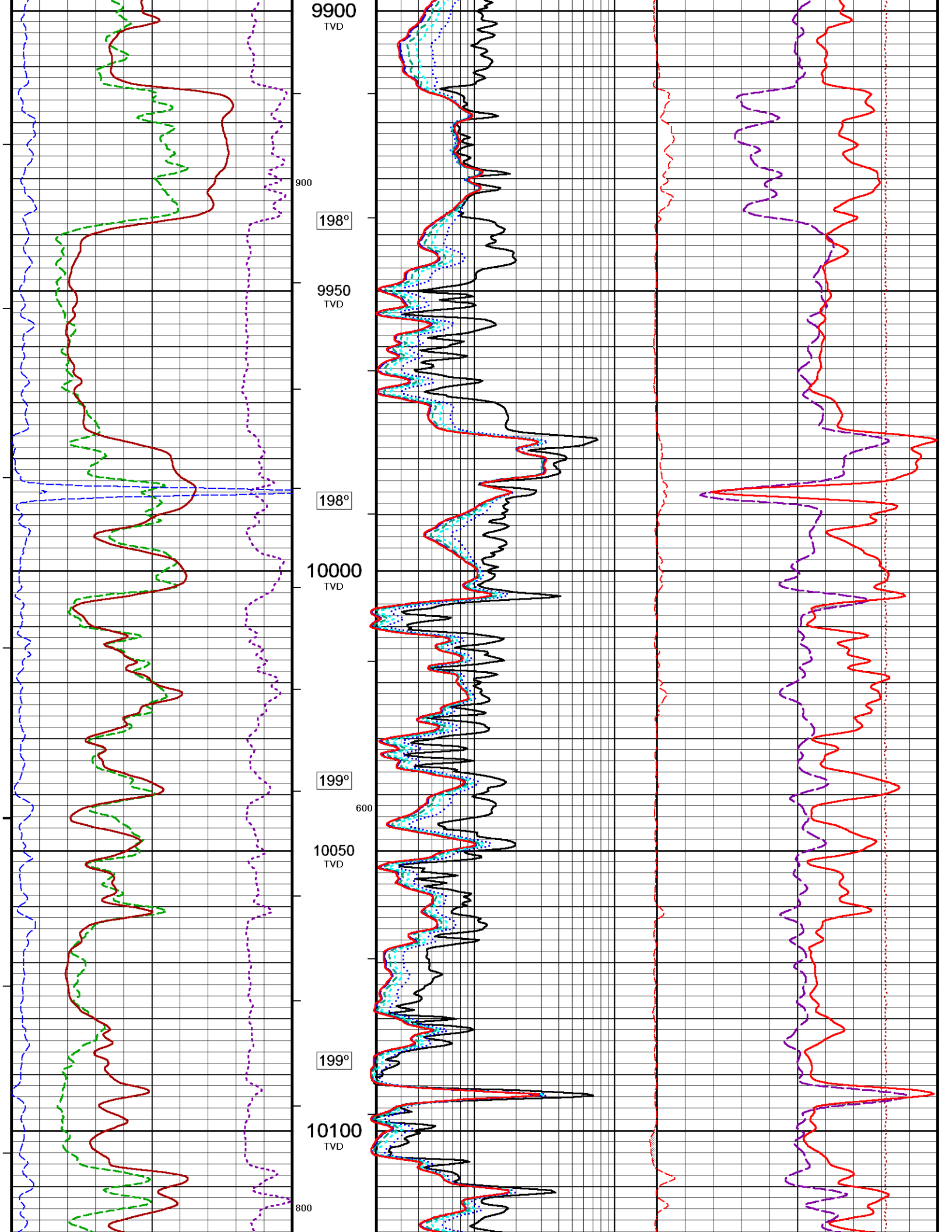

8800
TVD
1500
186°
8850
TVD
186°
8900
TVD
Bit Size
Array Ind. Two Res Rt
Array Ind. Two Res 85
187°
Array Ind. Two Res 60
Array Ind. Two Res 40
Array Ind. Two res 30
8950
TVD
Array Ind. Two res 20
Differential Caliper
Differential Caliper
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
1000
187°
9000
TVD
1400

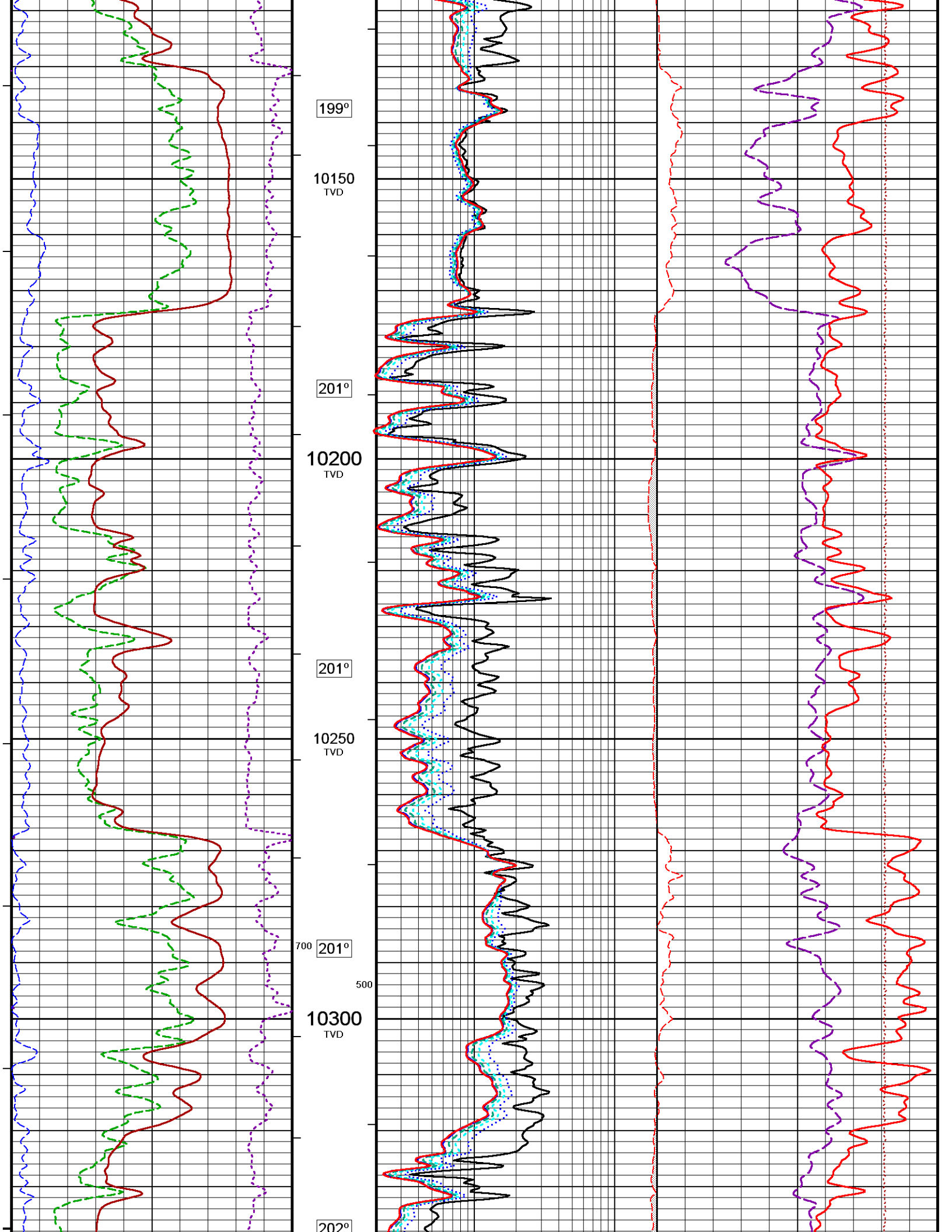

188°
9050
TVD
189°
9100
TVD
189°
9150
TVD
189°
1300
9200
TVD
190°

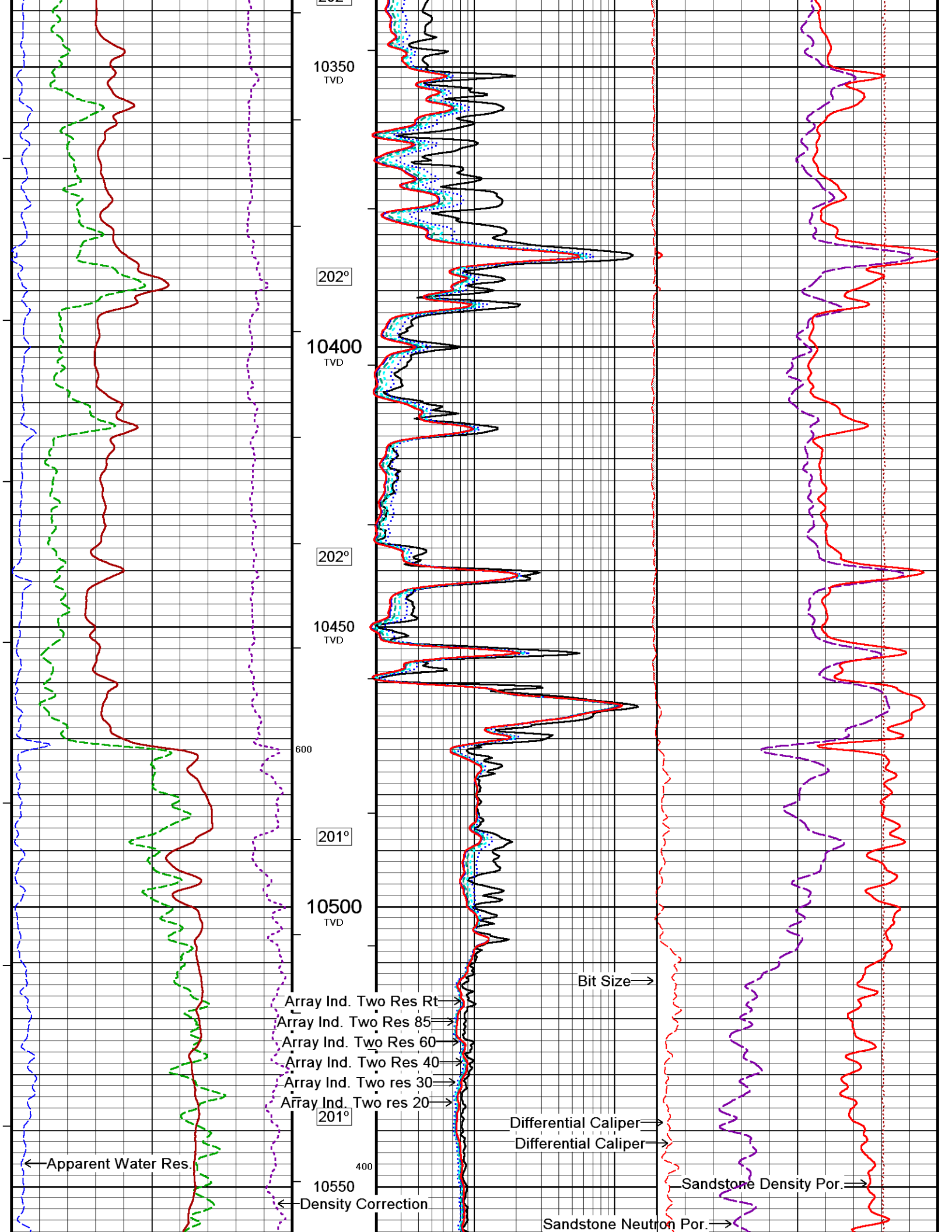

9250
TVD
900
190°
9300
TVD
190°
9350
TVD
191°
1200
9400
TVD
192°
9450
TVD

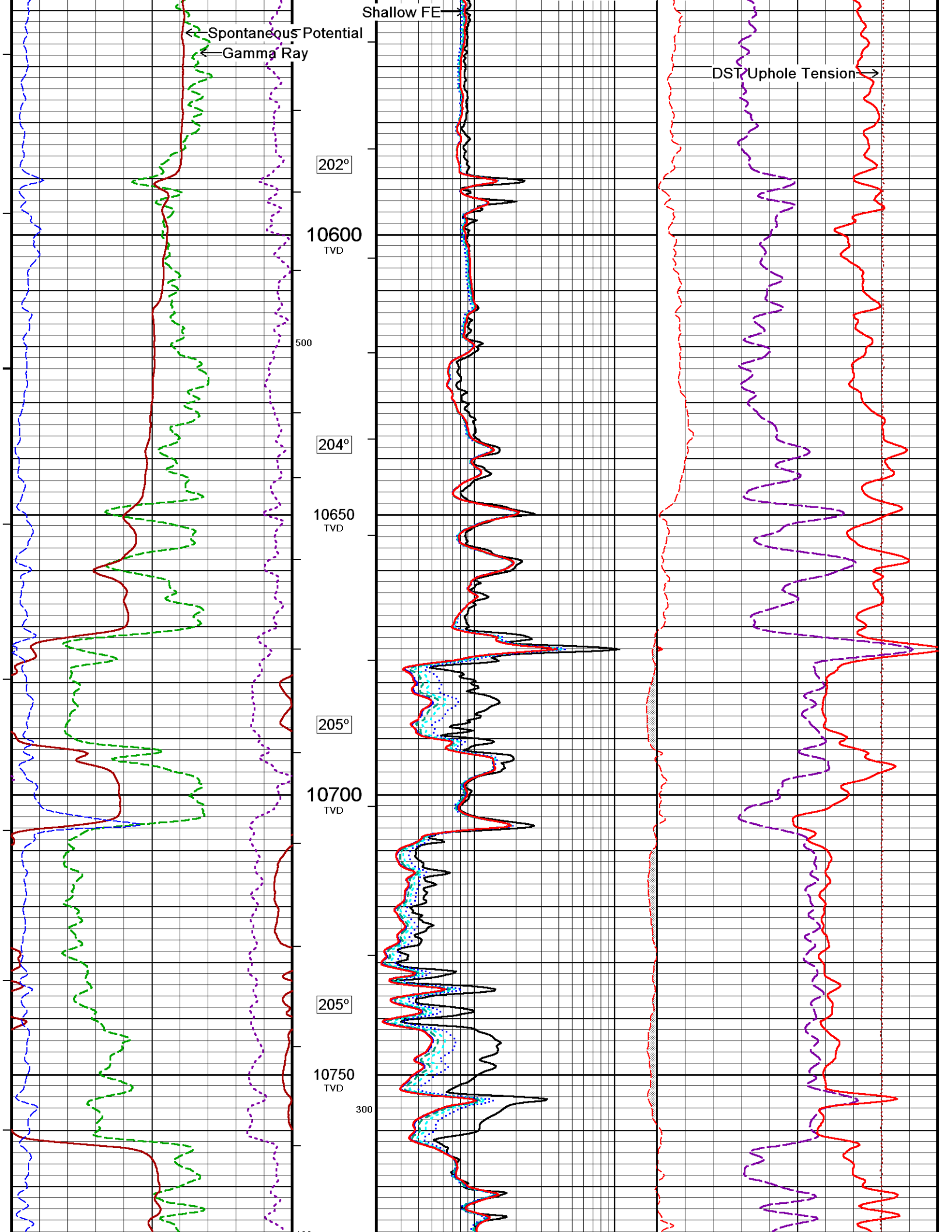

193°
9500
TVD
193°
800
9550
TVD
1100
194°
9600
TVD
194°
9650
TVD

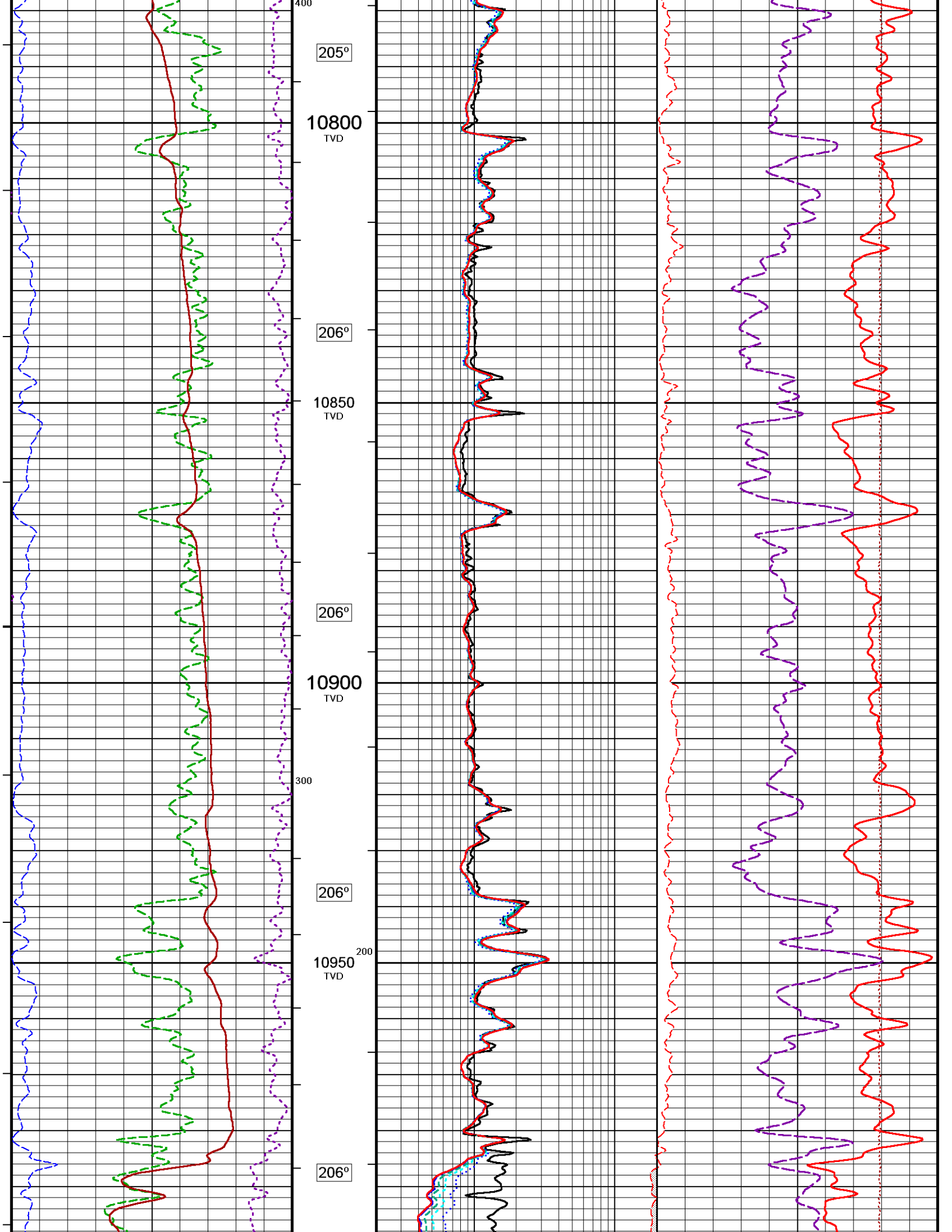

194°
9700
TVD
Bit Size
Array Ind. Two Res Rt
Array Ind. Two Res 85
Array Ind. Two Res 60
195°
Array Ind. Two Res 40
Array Ind. Two res 30
Array Ind. Two res 20
9750
TVD
Differential Caliper
Differential Caliper
Apparent Water Res.
Sandstone Density Por.
1000
Density Correction
Sandstone Neutron Por.
Shallow
Spontaneous Potential
Gamma Ray
DST Uphole Tension
195°
9800
TVD
700
195°
9850
TVD
197°

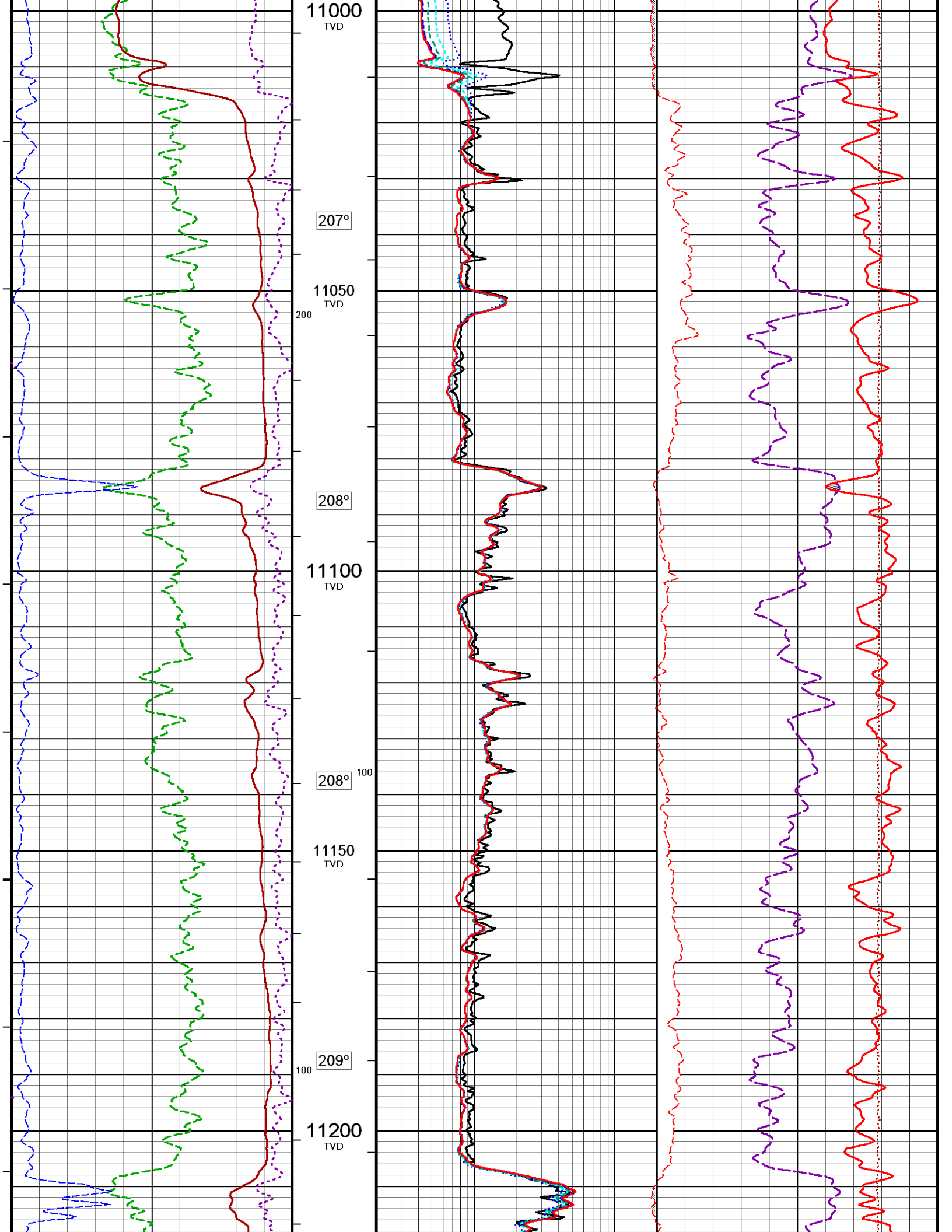

9900
TVD
900
198°
9950
TVD
198°
10000
TVD
199°
600
10050
TVD
199°
10100
TVD
800

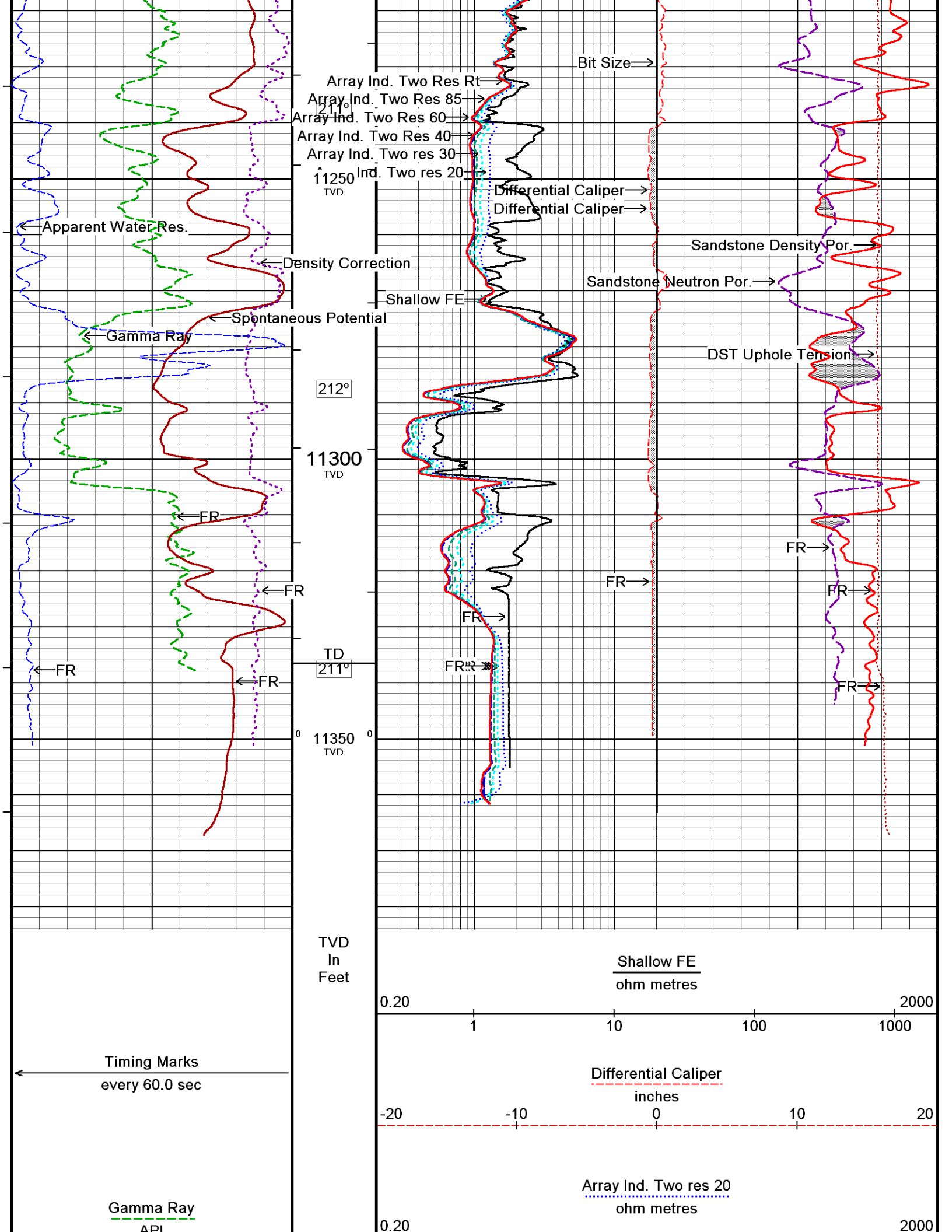

199°
10150
TVD
201°
10200
TVD
201°
10250
TVD
700
201°
500
10300
TVD
202°

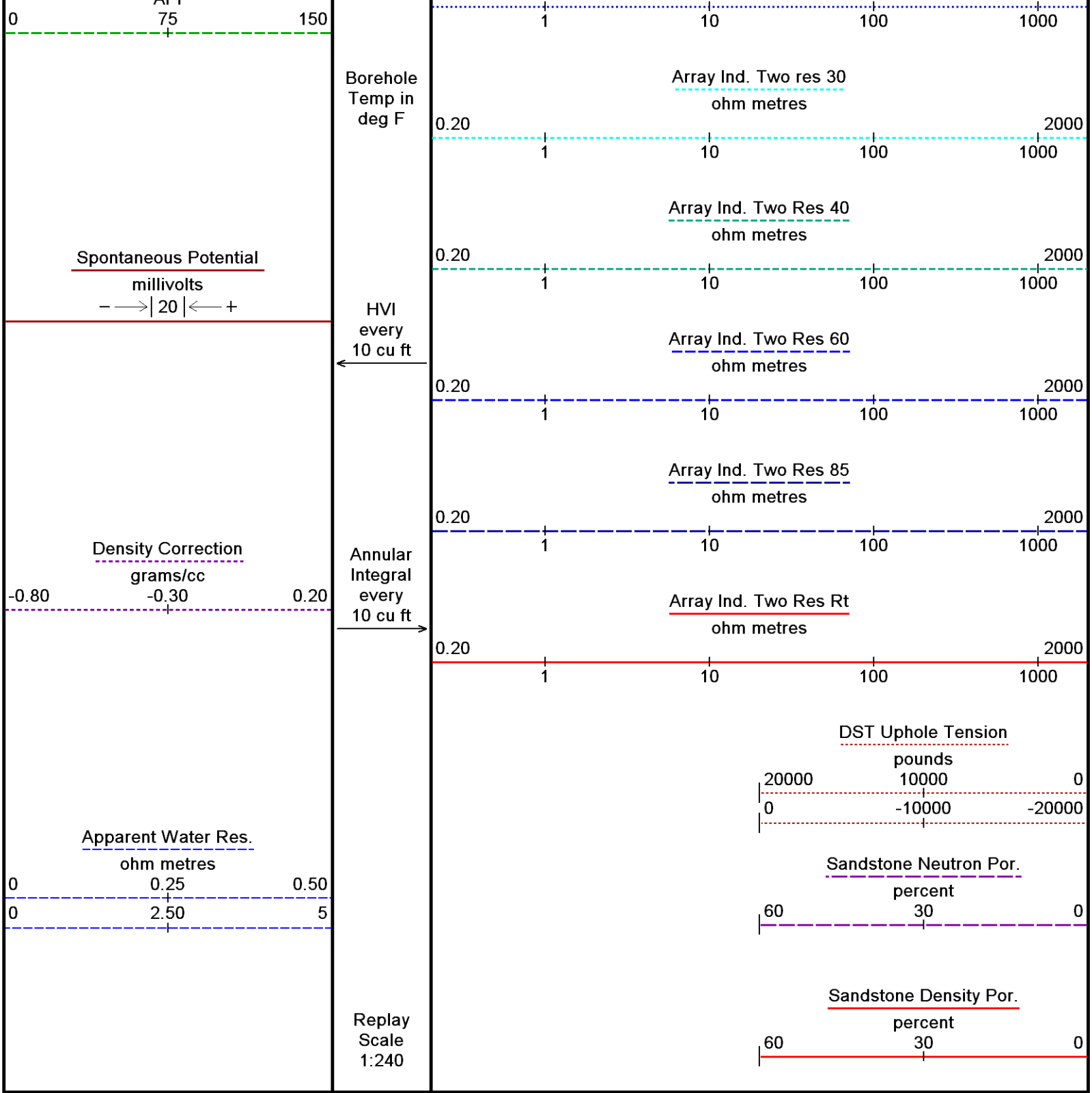

10350
TVD
202°
10400
TVD
202°
10450
TVD
600
201°
10500
TVD
Bit Size
Array Ind. Two Res Rt
Array Ind. Two Res 85
Array Ind. Two Res 60
Array Ind. Two Res 40
Array Ind. Two res 30
Array Ind. Two res 20
201°
Differential Caliper
Differential Caliper
Apparent Water Res.
400
10550
Density Correction
Sandstone Density Por.
Sandstone Neutron Por.


Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
202°
10600
TVD
500
204°
10650
TVD
205°
10700
TVD
205°
10750
TVD
300


400
205°
10800
TVD
206°
10850
TVD
206°
10900
TVD
300
206°
10950
TVD
200
206°


11000
TVD
207°
11050
TVD
200
208°
11100
TVD
208°
100
11150
TVD
209°
100
11200
TVD


Bit Size
Array Ind. Two Res Rt
Array Ind. Two Res 85
Array Ind. Two Res 60
Array Ind. Two Res 40
Array Ind. Two res 30
Ind. Two res 20
211°
11250
TVD
Differential Caliper
Differential Caliper
Apparent Water Res.
Density Correction
Sandstone Density Por.
Sandstone Neutron Por.
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
212°
11300
TVD
FR
FR
FR
FR
FR
FR
FR
FR
FR
TD
211°
11350
TVD
TVD
In
Feet
Shallow FE
ohm metres
0.20
2000
1
10
100
1000
Timing Marks
every 60.0 sec
Differential Caliper
inches
-20
-10
0
10
20
Array Ind. Two res 20
ohm metres
Gamma Ray
API
0.20
2000



Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Data\Smith Production\Edmond Richard #1\uplog2.dta
System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

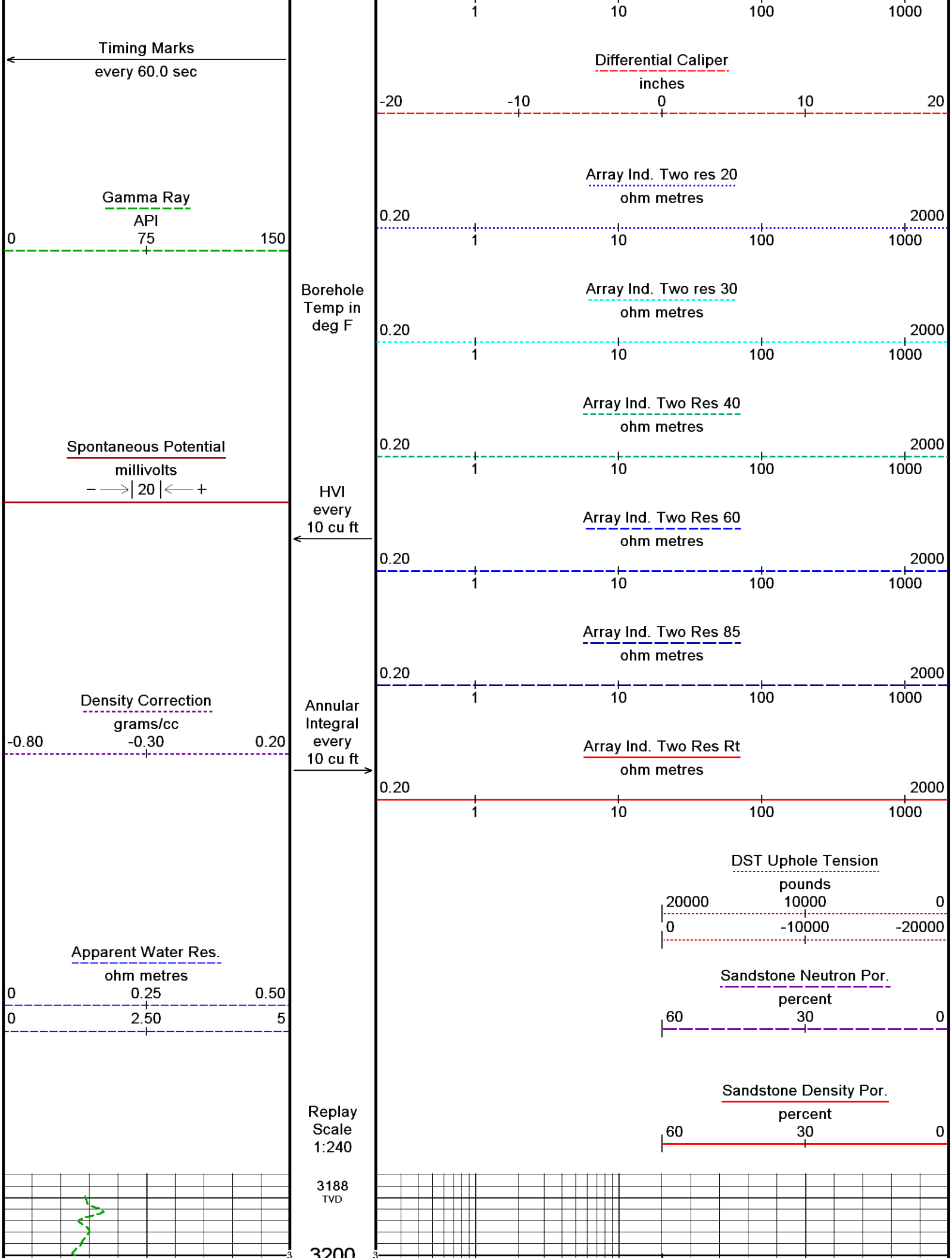
Plotted on 04-JUL-2012 00:20
Recorded on 03-JUL-2012 15:11

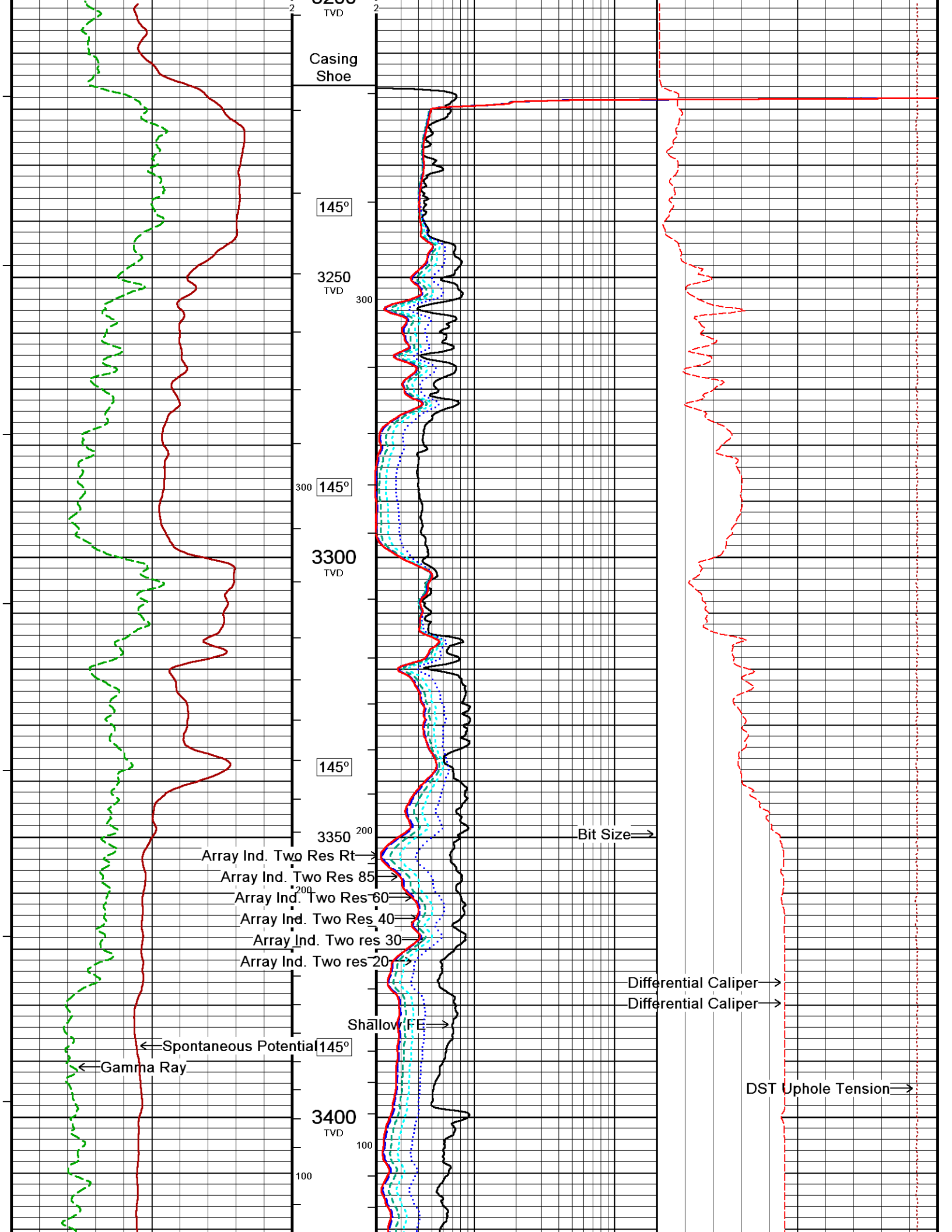
5" MAIN PASS TVD 1:240

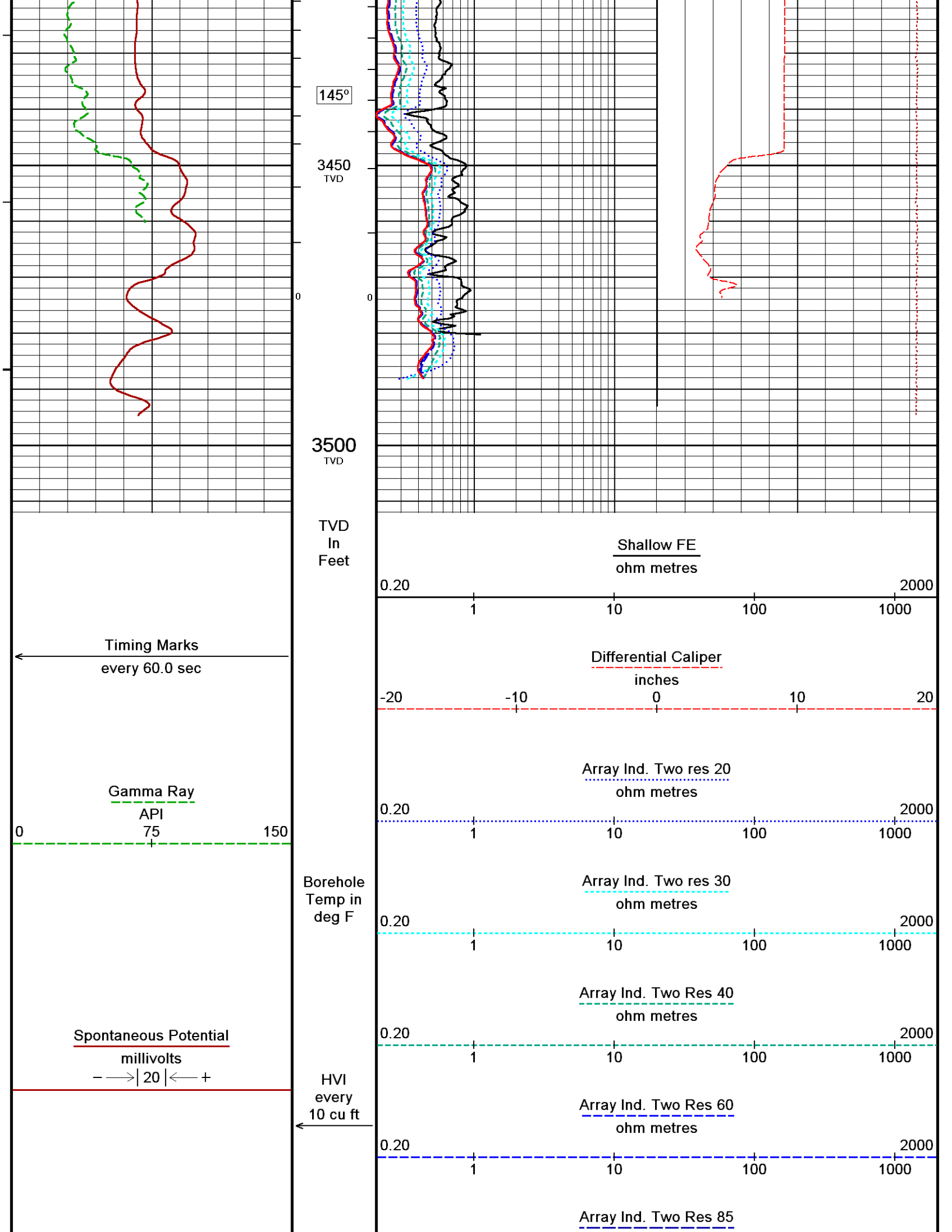
5" REPEAT PASS TVD 1:240

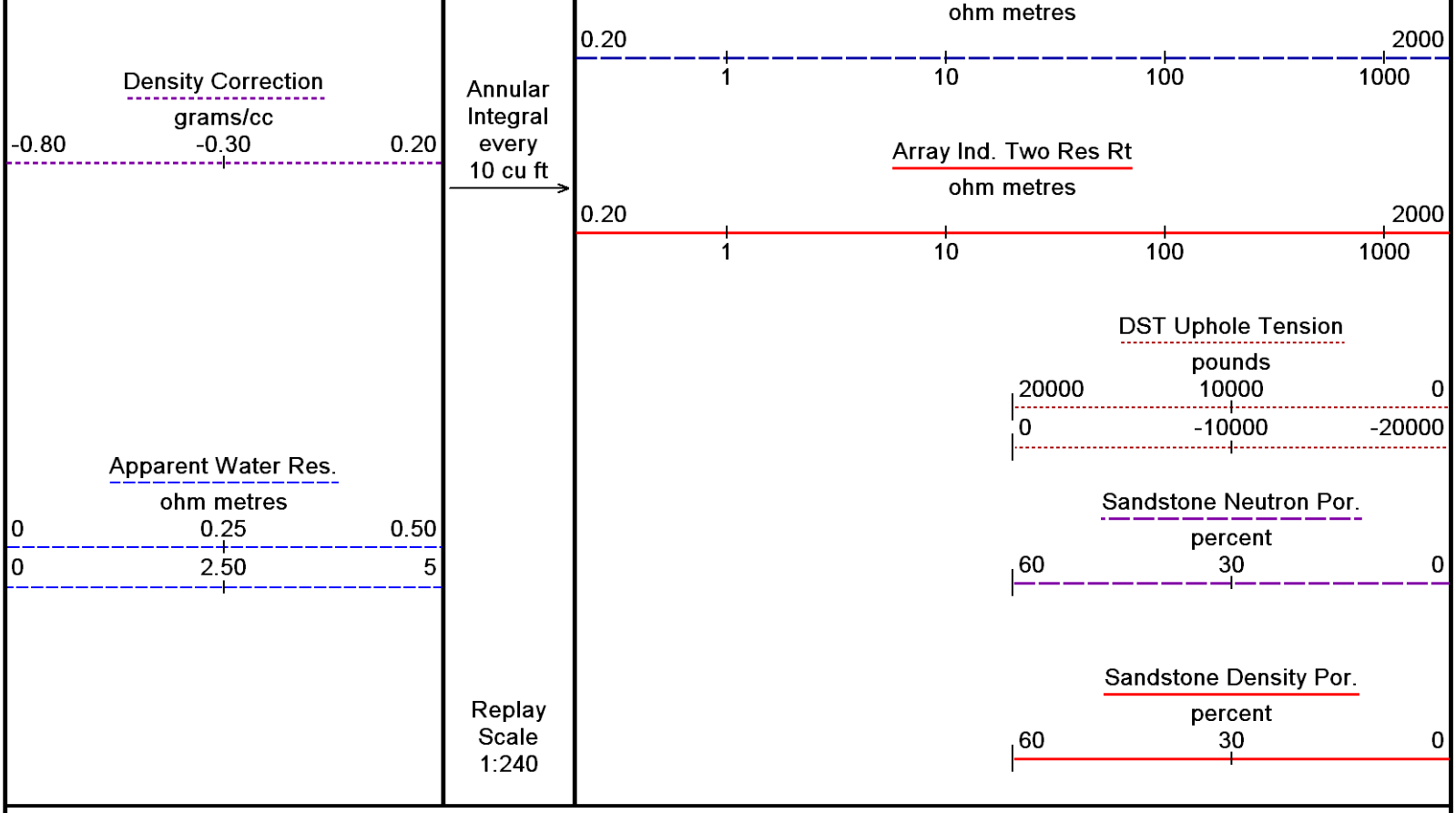
Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Data\Smith Production\Edmond Richard #1\repeat2.dta
System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

Plotted on 04-JUL-2012 00:20
Recorded on 03-JUL-2012 12:46


Timing Marks
every 60.0 sec
Gamma Ray
API
0
75
150
Spontaneous Potential
millivolts
20
Density Correction
grams/cc
-0.80
-0.30
0.20
Apparent Water Res.
ohm metres
0
0.25
0.50
0
2.50
5
Borehole Temp in deg F
HVI every 10 cu ft
Annular Integral every 10 cu ft
Replay Scale 1:240
3188
TVD
3200
1
10
100
1000
Differential Caliper
inches
-20
-10
0
10
20
Array Ind. Two res 20
ohm metres
Array Ind. Two res 30
ohm metres
Array Ind. Two Res 40
ohm metres
Array Ind. Two Res 60
ohm metres
Array Ind. Two Res 85
ohm metres
Array Ind. Two Res Rt
ohm metres
0.20
2000
DST Uphole Tension
pounds
20000
10000
0
-10000
-20000
Sandstone Neutron Por.
percent
60
30
Sandstone Density Por.
percent


Casing Shoe
145°
3250 TVD
300
300
145°
3300 TVD
145°
3350
200
200
100
100
3400 TVD
145°
Bit Size
Array Ind. Two Res Rt
Array Ind. Two Res 85
Array Ind. Two Res 60
Array Ind. Two Res 40
Array Ind. Two res 30
Array Ind. Two res 20
Shallow FE
Differential Caliper
Differential Caliper
DST Uphole Tension
Spontaneous Potential
Gamma Ray


145°
3450
TVD
0
0
3500
TVD
TVD
In
Feet
Shallow FE
ohm metres
0.20
1
10
100
1000
2000
Timing Marks
every 60.0 sec
Differential Caliper
inches
-20
-10
0
10
20
Array Ind. Two res 20
ohm metres
0.20
1
10
100
1000
2000
Gamma Ray
API
0
75
150
Borehole
Temp in
deg F
Array Ind. Two res 30
ohm metres
0.20
1
10
100
1000
2000
Array Ind. Two Res 40
ohm metres
0.20
1
10
100
1000
2000
Spontaneous Potential
millivolts
– 20 +
HVI
every
10 cu ft
Array Ind. Two Res 60
ohm metres
0.20
1
10
100
1000
2000
Array Ind. Two Res 85



Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 04-JUL-2012 00:20
Filename: C:\Data\Smith Production\Edmond Richard #1\repeat2.dta
Recorded on 03-JUL-2012 12:46
System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

5" REPEAT PASS TVD 1:240

TVD TABLE

Last Edited: 03-JUL-2012 09:45

Logged Depth feet	True Depth feet	Logged Depth feet	True Depth feet	Logged Depth feet	True Depth feet
3200.00	3199.73	6100.00	6099.52	8832.00	8830.21
3300.00	3299.73	6200.00	6199.48	9021.00	9018.86
3400.00	3399.73	6300.00	6299.43	9115.00	9112.69
3500.00	3499.73	6400.00	6399.38	9210.00	9207.49
3600.00	3599.73	6500.00	6499.31	9304.00	9301.18
3700.00	3699.72	6600.00	6599.25	9399.00	9395.73
3800.00	3799.72	6700.00	6699.19	9493.00	9489.14
3900.00	3899.72	6800.00	6799.14	9588.00	9583.42
4000.00	3999.72	6900.00	6899.09	9682.00	9676.60
4100.00	4099.72	7000.00	6999.05	9777.00	9770.73
4200.00	4199.72	7100.00	7099.01	9871.00	9863.62
4300.00	4299.72	7200.00	7198.97	9965.00	9955.85
4400.00	4399.72	7300.00	7298.95	10060.00	10048.51
4500.00	4499.72	7400.00	7398.94	10155.00	10141.03
4600.00	4599.72	7500.00	7498.92	10249.00	10232.05
4700.00	4699.71	7600.00	7598.92	10344.00	10323.33
4800.00	4799.71	7700.00	7698.92	10441.00	10416.11
4900.00	4899.69	7800.00	7798.92	10536.00	10506.41
5000.00	4999.67	7900.00	7898.92	10631.00	10595.65
5100.00	5099.66	8000.00	7998.91	10724.00	10681.08
5200.00	5199.65	8026.00	8024.91	10820.00	10766.58
5300.00	5299.64	8072.00	8070.91	10914.00	10848.66
5400.00	5399.63	8167.00	8165.89	11009.00	10930.93
5500.00	5499.62	8262.00	8260.83	11104.00	11012.41
5600.00	5599.61	8357.00	8355.75	11199.00	11093.67
5700.00	5699.61	8452.00	8450.66	11294.00	11174.84
5800.00	5799.60	8547.00	8545.57	11389.00	11255.32
5900.00	5899.58	8642.00	8640.47	11420.00	11281.48

6000.00	5999.55	8737.00	8735.36	11508.00	11355.94

BEFORE SURVEY CALIBRATION

C:\Data\Smith Production\Edmond Richard #1\uplog2.dta

General Constants All 000

Last Edited on 03-JUL-2012,09:04

General Parameters		
Mud Resistivity	0.900	ohm-metres
Mud Resistivity Temperature	88.000	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. Two Res Rt	
RWA Constant A	0.620	
RWA Constant M	2.150	

Gamma Calibration MCG-C 100

Field Calibration on 03-JUL-2012 09:04

	Measured	Calibrated (API)
Background	42	28
Calibrator (Gross)	1177	792
Calibrator (Net)	1135	764

Gamma Constants MCG-C 100

Last Edited on 03-JUL-2012,08:38

Gamma Calibrator Number	GRC-039	
Mud Density	1.32	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

SP Calibration MCG-C 100

Field Calibration on 22-FEB-2012,10:45

	Measured	Calibrated (mV)
Reference 1	94.7	91.0
Reference 2	-88.3	-91.0

High Resolution Temperature Calibration MCG-C 100

Field Calibration on 12-FEB-2012,05:14

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

High Resolution Temperature Constants MCG-C 100

Last Edited on

Pre-filter Length	11

Neutron Calibration MDN-A.B 155

Base Calibration on 12-JUN-2012 11:13
Field Check on 03-JUL-2012 08:57

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	2974	92	3714	110
Ratio	32.446		33.764	

Field Calibrator at Base

	Calibrated (cps)	
	1334	1980
Ratio	0.674	

Field Check

	Calibrated (cps)	
	1315	1995
Ratio	0.659	

Ratio	0.659

Neutron Constants MDN-A.B 155

Last Edited on 03-JUL-2012,08:52

Neutron Source Id	514	
Neutron Jig Number	5822NE	
Epithermal Neutron	No	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	inches
Mud Density	1.00	gm/cc
Limestone Sigma	7.10	cu
Sandstone Sigma	7.00	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	Constant Value	
Formation Pressure	0.00	kpsi
Temperature Source	Constant Value	
Temperature	20.00	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-A.A 137

Base Calibration on 29-MAY-2012 13:51
Field Check on 03-JUL-2012 08:42

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	964.4	126.8
Base Check		281.4
Field Check		281.4

FE Constants MFE-A.A 137

Last Edited on 03-JUL-2012,08:41

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 77

Base Calibration on 11-MAY-2011,11:42
Field Check on 03-JUL-2012 08:45

Base Calibration

Test Loop Calibration

Channel	Measured Low	Measured High	Calibrated (mmho/m) Low	Calibrated (mmho/m) High
1	15.7	471.1	9.3	966.2
2	5.2	374.2	7.6	821.4
3	2.6	250.7	5.2	566.0
4	1.1	129.3	2.6	279.2
Array Temperature		61.2	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	17.1	3846.4	
2	0.0	0.0	33.0	3596.0	
3	0.0	0.0	31.3	3143.2	
4	0.0	0.0	22.0	2127.1	
Deep	0.0	0.0	20.0	2064.2	
Medium	0.0	0.0	44.6	4159.1	
Shallow	0.0	0.0	48.3	5286.4	
Array Temperature		0.0		82.4	Deg F

Induction Constants MAI-A.A 77

Last Edited on 03-JUL-2012,08:42

Induction Model	RtAP-WBM	
Caliper for Borehole Corr.	Density Caliper	
Hole Size for Borehole Correction	N/A	inches

Tool Centred	No	
Stand-off Type	Fins	
Stand-off	0.50	inches
Number of Fins on Stand-off	6.0000	
Stand-off Fin Angle	60.00	degrees
Stand-off Fin Width	0.5000	inches
Borehole Corr. Rm Source	Temperature Corr	
Temp. for Rm Corr.	MCG External Temperature	
Squasher Start	0.0020	mhos/metre
Squasher Offset	N/A	mhos/metre

Borehole Normalisation

DRM1	0.0000	DRC1	0.0000
DRM2	0.0000	DRC2	0.0000
MRM1	0.0000	MRC1	0.0000
MRM2	0.0000	MRC2	0.0000
SRM1	0.0000	SRC1	0.0000
SRM2	0.0000	SRC2	0.0000

Calibration Site Corrections

Channel 1	0.00	mmhos/metre
Channel 2	0.00	mmhos/metre
Channel 3	0.00	mmhos/metre
Channel 4	0.00	mmhos/metre

Apparent Porosity and Water Saturation Constants

Archie Constant (A)	0.62	
Cementation Exponent (M)	2.15	
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 77

Field Calibration on 13-OCT-2011 10:30

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

High Resolution Temperature Constants MAI-A.A 77

Last Edited on

Pre-filter Length	11

Caliper Calibration MPD-B 154

Base Calibration on 17-JUN-2012 05:50
Field Calibration on 26-JUN-2012 18:50

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	10944	4.00
2	17456	5.97
3	23919	7.96
4	30093	9.85
5	37136	11.91
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
9.82	9.85

Photo Density Calibration MPD-B 154

Base Calibration on 29-MAY-2012 13:25
Field Check on 03-JUL-2012 08:51

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	57824	29402	59553	30910
Reference 2	23572	2326	25010	2543

Field Check at Base

774.7	958.2

Field Check

774.8 957.1

PE Calibration

Base Calibration	WS	Measured WH	Ratio	Calibrated Ratio
Background	147	675		
Reference 1	23784	57661	0.415	0.371
Reference 2	6626	23462	0.284	0.273
Field Check at Base	147.4	674.7		
Field Check	147.4	674.5		

Density Constants MPD-B 154

Last Edited on 03-JUL-2012,08:39

Density Source Id	259	
Nylon Calibrator Number	DNC-E662	
Aluminium Calibrator Number	DAC-D687	
Density Shoe Profile	8 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.32	gm/cc
Mud Density Z/A Multiplier	1.11	
Mud Filtrate Density	1.00	gm/cc
Dry Hole Mud Filtrate Density	1.00	gm/cc
DNCT	0.00	gm/cc
CRCT	0.00	gm/cc
Density Z/A Correction	Hybrid	

Matrix Density (gm/cc)	Depth (ft)
2.65	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:\Data\Smith Production\Edmond Richard #1\uplog2.dta

MCC-A 11C Tension Cablehead
MCC-A 1 LG: 2.40 ft WT: 19.8 lb OD: 2.24 in

11C-11B MTA-A Compact Tool Adaptor
MTA-A 43 LG: 1.53 ft WT: 13.2 lb OD: 2.24 in

SHA-J.A Compact Swivel Head Adaptor
SHA-J.A 266 LG: 2.30 ft WT: 22.0 lb OD: 2.24 in

Compact Comms Gamma
MCG-C 100 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

34.90 ft GRGC - Gamma Ray

32.00 ft CGXT - MCG External Temperature

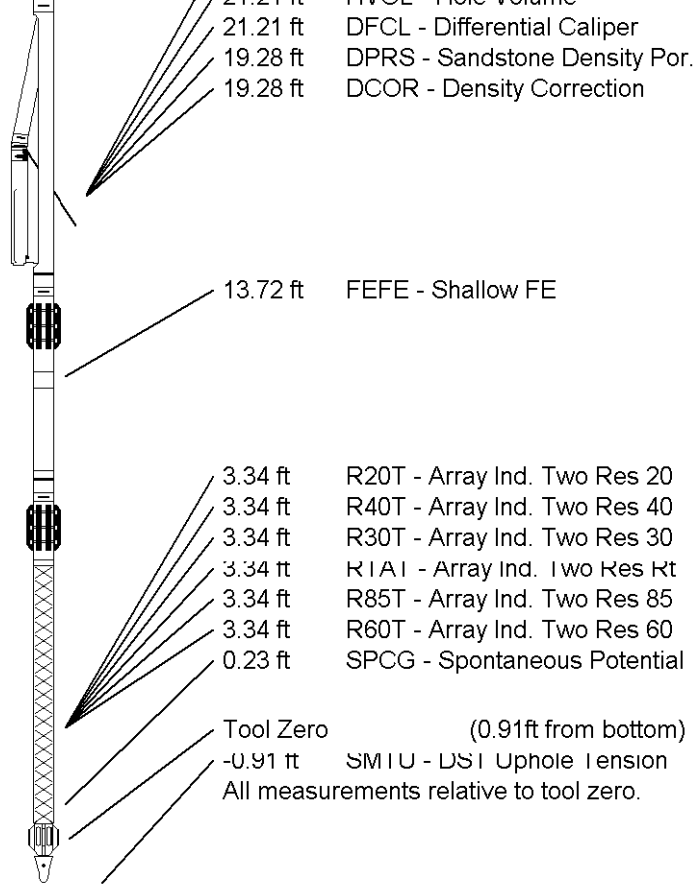
Compact Neutron
MDN-A.B 155 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

28.45 ft NPRS - Sandstone Neutron Por.

Compact Density/Caliper
MPD-B 154 LG: 9.59 ft WT: 90.4 lb OD: 2.91 in

21.21 ft AVOL - Annular Volume

21.21 ft HVOL - Hole Volume



Compact Focussed Electric
MFE-A.A 137 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Induction
MAI-A.A 77 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Compact Hole Finder
HFS 1 LG: 0.78 ft WT: 2.2 lb OD: 2.24 in

Total Length: 47.19 ft Weight: 359.4 lb

COMPANY	SMITH PRODUCTION COMPANY
WELL	EDMOND RICHARD #1
FIELD	GRAND CHENIERE
PROVINCE/COUNTY	CAMERON
COUNTRY/STATE	U.S.A / LOUISIANA

Elevation Kelly Bushing	18.00	feet	First Reading	11485.00	feet
Elevation Drill Floor	17.00	feet	Depth Driller	11508.00	feet
Elevation Ground Level	3.00	feet	Depth Logger	11485.00	feet

Weatherford®

ARRAY INDUCTION / MFE
PHOTO DENSITY / NEUTRON
GAMMA RAY **TVD** LOG