Weatherford®

TVD LOG

COMPANY	SMITH PRODUCTION COMPANY
WELL	ALLAIN LAND COMPANY LLC #1 STK #1
FIELD	JEANERETTE
PROVINCE/COUNTY	ST. MARY
COUNTRY/STATE	U.S.A./LOUISIANA
LOCATION	X= 1,919,507' Y= 439,883'

SEC	TWP	RGE	Other Services
37	13S	9E	

API Number 17-101-22489
Permit Number 246230

Permanent Datum GL, Elevation 8 feet
Log Measured From KB
Drilling Measured From KB

Elevations:	feet
KB	26.00
DF	25.00
GL	8.00

Date	29-MAY-2013			
Run Number	ONE			
Service Order	3535934			
Depth Driller	9173.00	feet		
Depth Logger	9173.00	feet		
First Reading	9112.00	feet		
Last Reading	3048.00	feet		
Casing Driller	3050.00	feet		
Casing Logger	3048.00	feet		
Bit Size	8.750	inches		
Hole Fluid Type	WATER BASED			
Density / Viscosity	10.60 lb/USg	47.00 CP		
PH / Fluid Loss	11.20	5.00 ml/30Min		
Sample Source	PIT			
Rm @ Measured Temp	1.60 @ 84.0	ohm-m		
Rmf @ Measured Temp	1.20 @ 84.0	ohm-m		
Rmc @ Measured Temp	2.0 @ 84.0	ohm-m		
Source Rmf / Rmc	CALC	CALC		
Rm @ BHT	0.86 @160.0	ohm-m		
Time Since Circulation	1 HOURS			
Max Recorded Temp	160.00	deg F		
Equipment / Base	13042	ROSENB		
Recorded By	MICHAEL RYAN		MARK ROMERO	
Witnessed By	LOGAN			
RIG	CROWN RIG 1A		.	

BOREHOLE RECORD

Last Edited: 29-MAY-2013 13:56

Bit Size inches	Depth From feet	Depth To feet
8.750	3050.00	9173.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	9.625	0.00	3050.00	40.00

REMARKS

S.O. 3535935

MEASURED DEPTH LOG
MAI / MFE / MPD / MDN / MCG / SHA RAN IN COMBINATION
TOOLS WERE RUN IN WIRELINE CONFIGURATION (8283 TO SURFACE)

TOOLS WERE RUN IN DROP OFF CONFIGURATION (TD TO 8283)
DROP OFF CONFIGURATION IS MOSTLY SLICK DUE TO LOGGING CONDITION

SEE TOOL DIAGRAM
DENSITY MATRIX (2.65g/cc)
RWA = A - 0.62 M - 2.15

*********WIRELINE AND MEMORY LOG ARE SPLICED AT 8283 FT **********

******** DROP OFF LOG WAS DEPTH CORRECTED TO ORGINAL WIRELINE RUN*********

ANNULAR VOLUME ASSUMES 5.5" PRODUCTION CASING
ANNULAR CEMENT VOLUME APPROX CUBIC FEET

CREW: M.ROMERO, J.METTLEN, N.FREITAG, M. RYAN, E. GONZALES, W. HURATO

THANK YOU FOR CHOOSING WEATHERFORD WIRELINE!!!

TVD TABLE

Last Edited: 24-MAY-2013 13:37

Logged Depth feet	True Depth feet	Logged Depth feet	True Depth feet	Logged Depth feet	True Depth feet
2996.00	2978.87	5069.00	5051.75	7218.00	7098.47
3074.00	3056.87	5163.00	5145.75	7313.00	7177.46
3169.00	3151.86	5258.00	5240.74	7408.00	7255.28
3263.00	3245.85	5353.00	5335.73	7502.00	7330.05
3358.00	3340.85	5445.00	5427.73	7598.00	7404.01
3453.00	3435.84	5540.00	5522.73	7693.00	7475.22
3548.00	3530.84	5635.00	5617.68	7788.00	7543.89
3643.00	3625.84	5730.00	5712.42	7883.00	7610.01
3738.00	3720.84	5825.00	5806.93	7978.00	7674.73
3833.00	3815.84	5920.00	5900.72	8073.00	7738.92
3928.00	3910.83	6015.00	5993.68	8168.00	7802.97
4024.00	4006.83	6110.00	6086.39	8263.00	7867.76
4119.00	4101.82	6205.00	6178.46	8358.00	7932.98
4213.00	4195.81	6299.00	6269.09	8453.00	7997.71
4309.00	4291.81	6394.00	6360.24	8548.00	8062.31
4404.00	4386.81	6489.00	6450.54	8643.00	8128.18
4499.00	4481.80	6677.00	6626.39	8738.00	8195.42
4594.00	4576.79	6772.00	6713.60	8833.00	8263.23
4689.00	4671.78	6867.00	6798.79	8928.00	8331.46
4784.00	4766.77	6963.00	6882.79	9023.00	8400.20
4879.00	4861.77	7058.00	6963.96	9117.00	8468.83
4974.00	4956.76	7155.00	7045.63	9173.00	8509.85

TVD

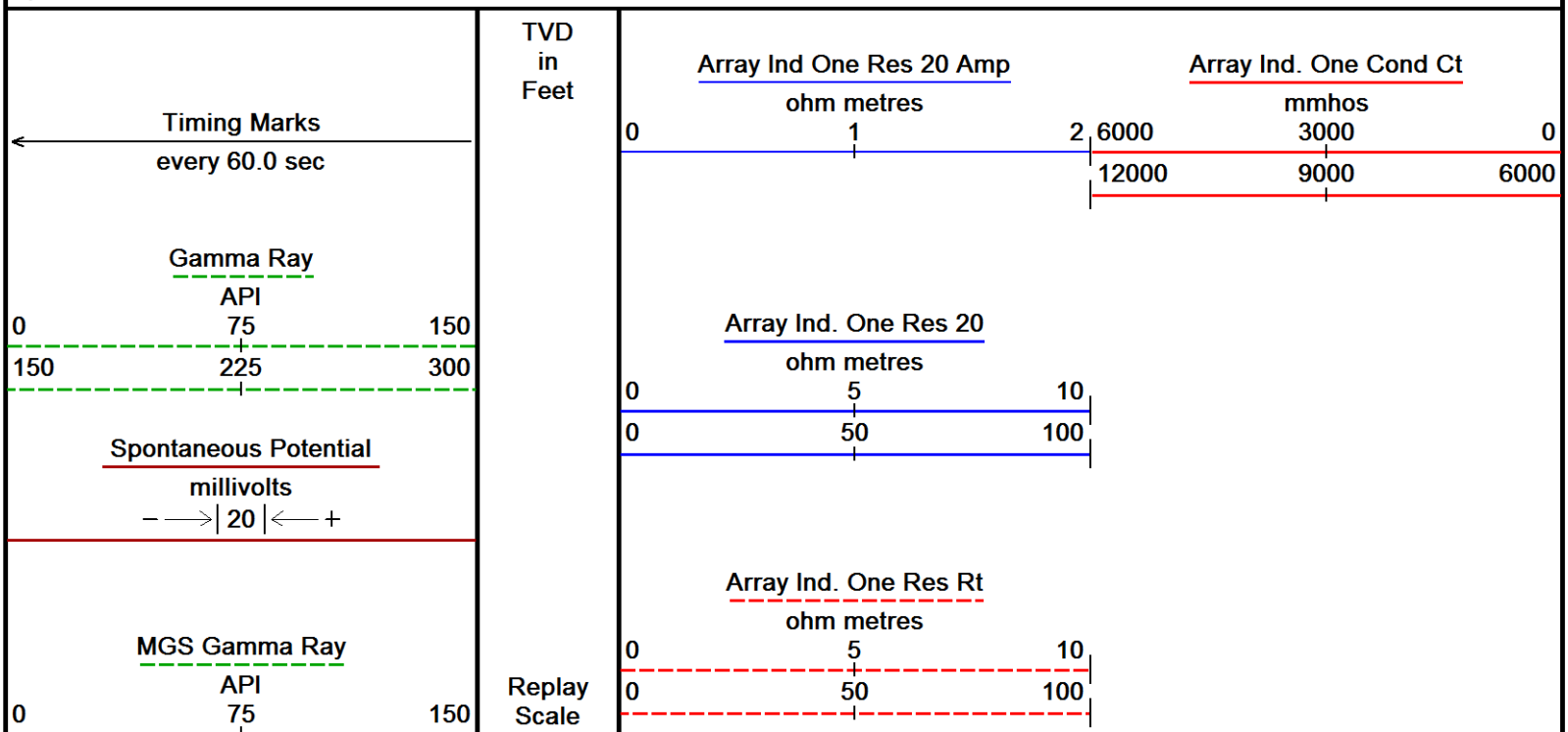
Depth Based Data - Maximum Sampling Increment 10.0cm

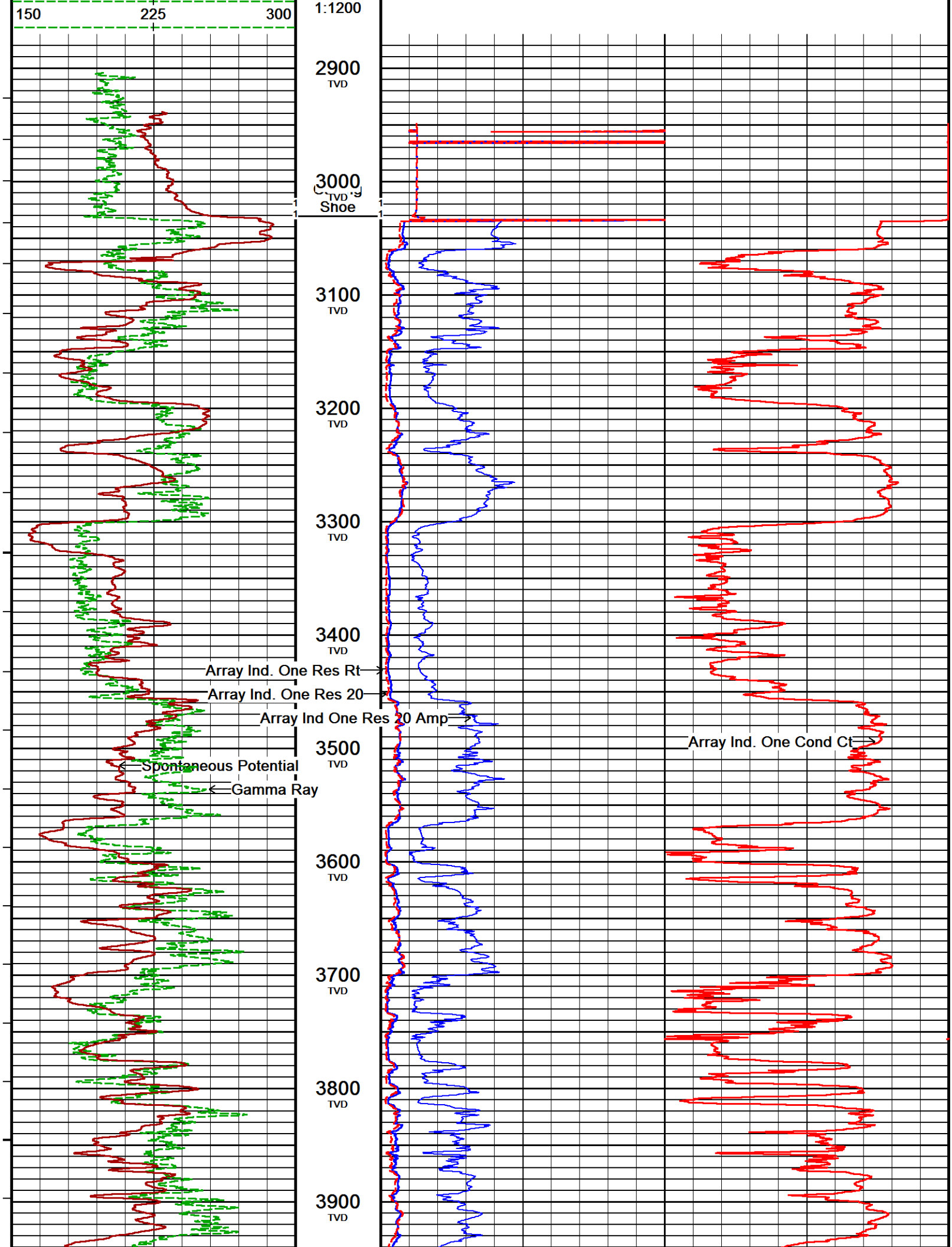
Plotted on 30-MAY-2013 14:55

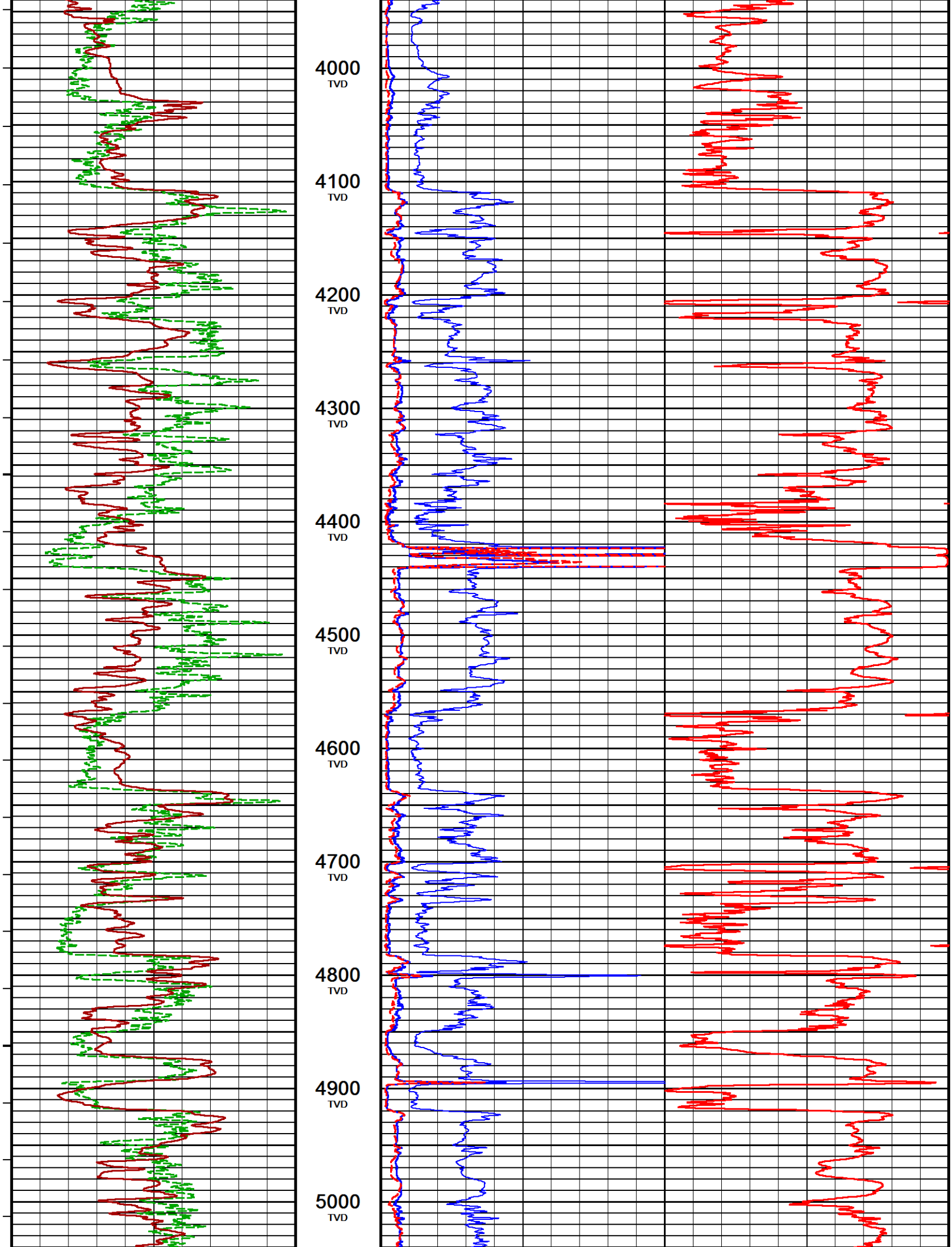
Filename: C:\Program Files (x86)\Weatherford\WLS 13.04\Data\Crown\mem_wl_merge_001.dta

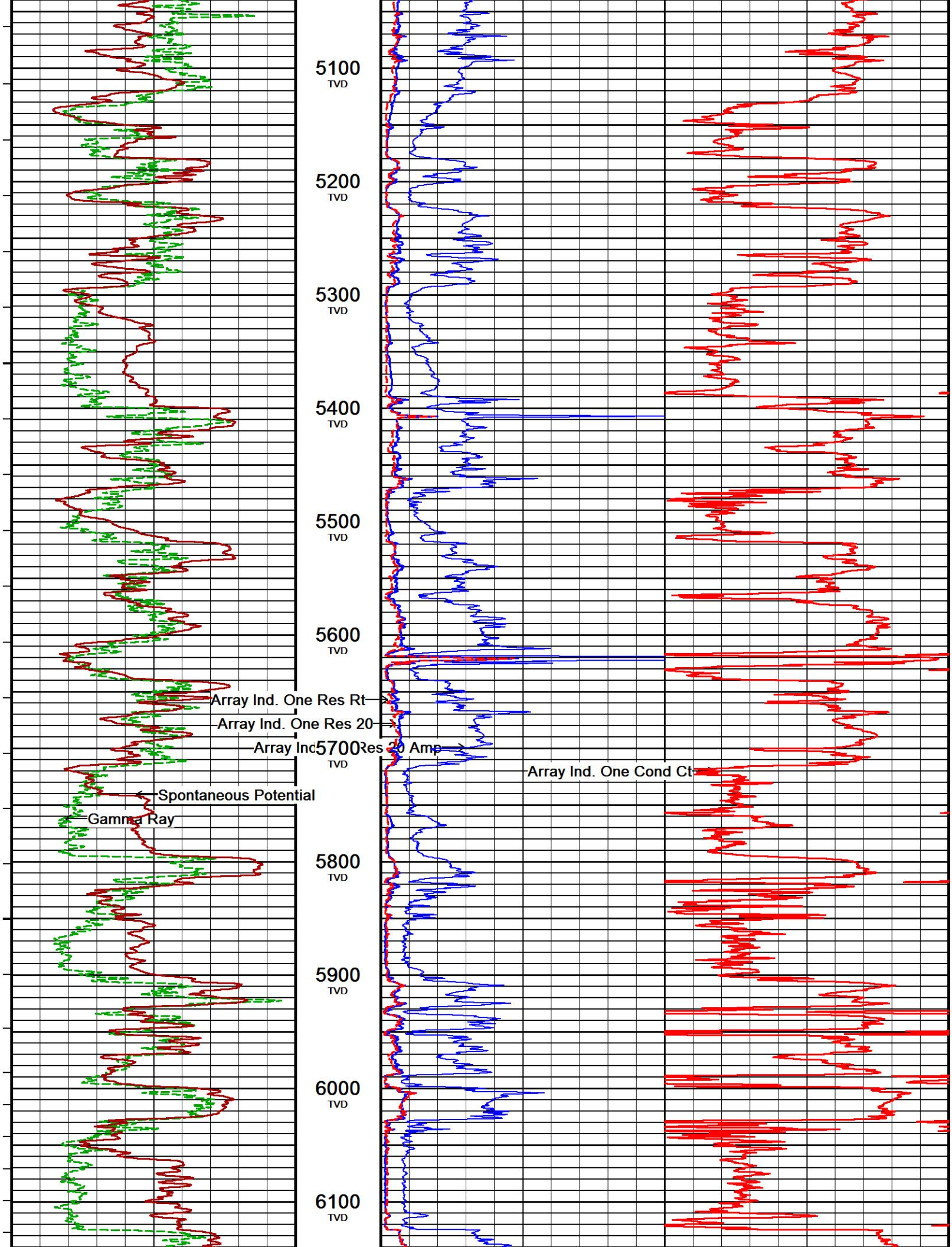
Recorded on 24-MAY-2013 10:48

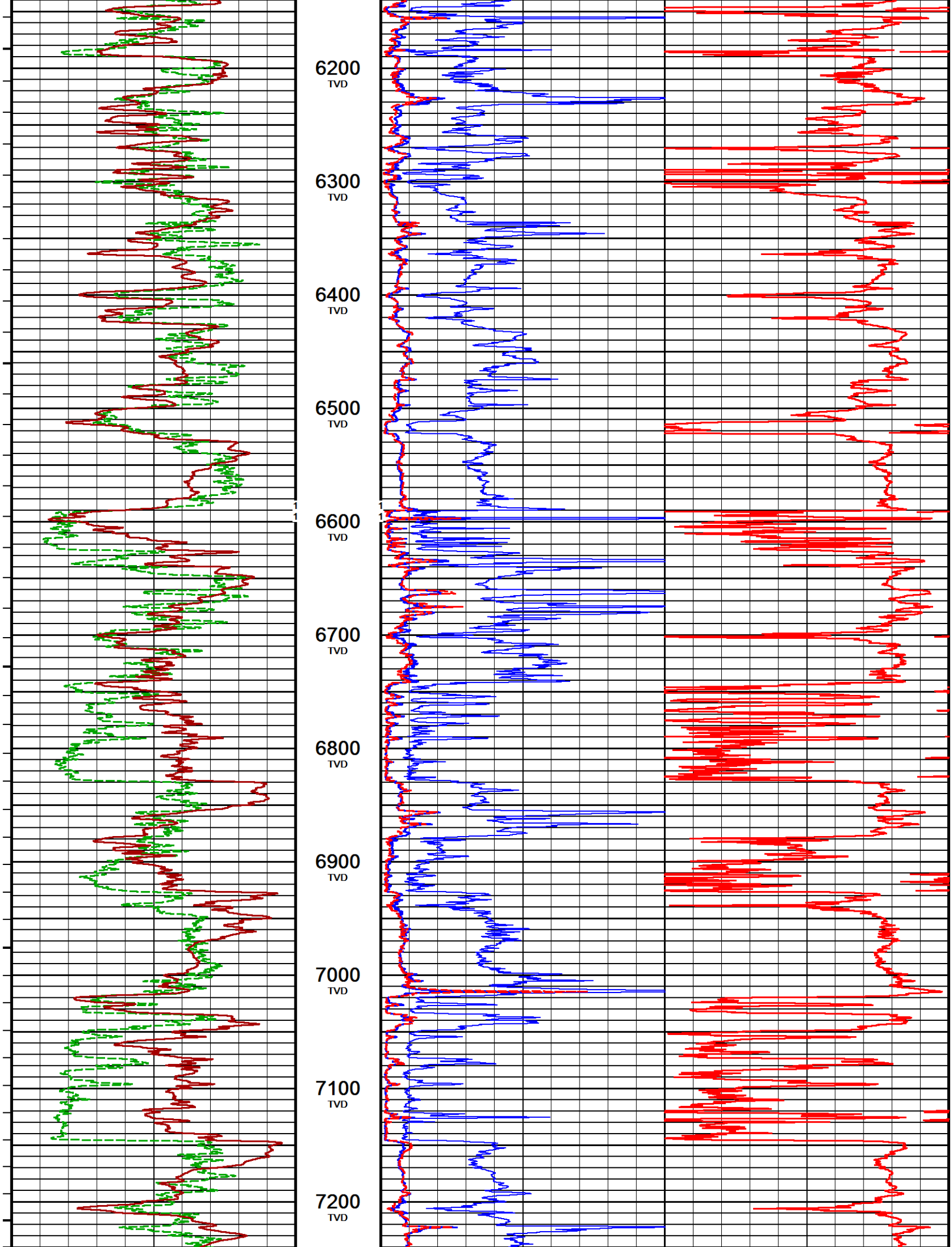
System Versions: Plotted with 13.04.8723

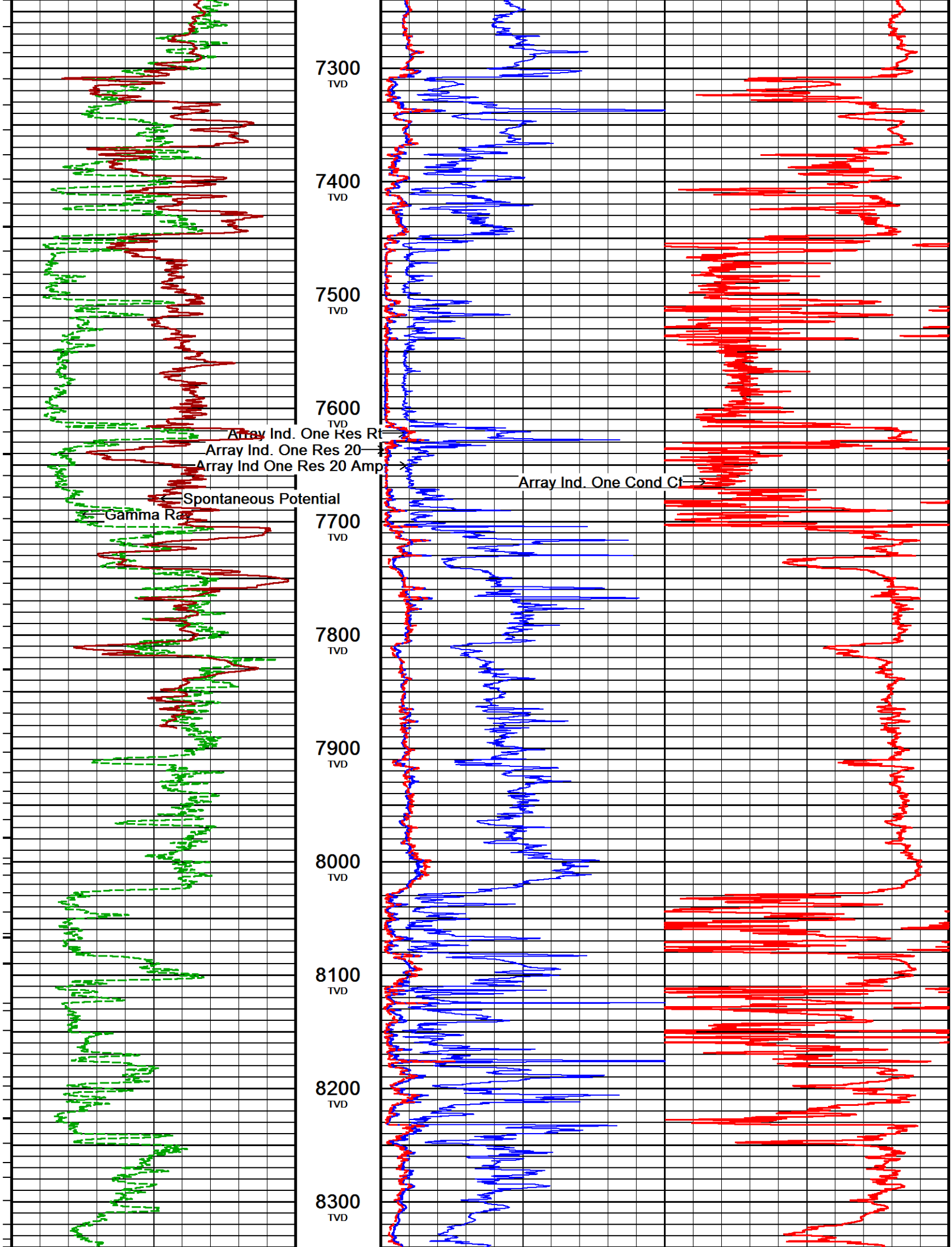


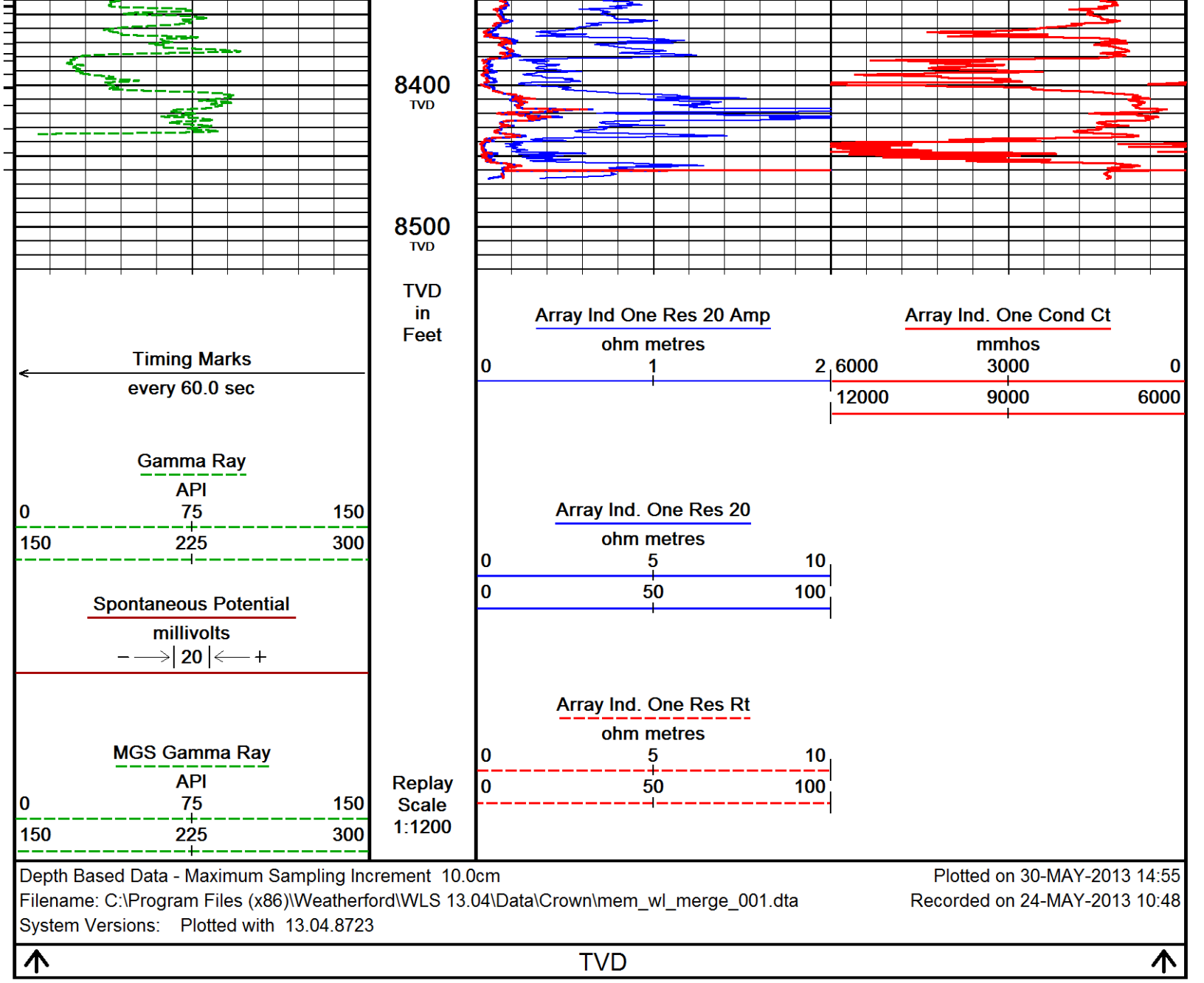

150
225
300
1:1200
2900
TVD
3000
TVD
Shoe
3100
TVD
3200
TVD
3300
TVD
3400
TVD
Array Ind. One Res Rt
Array Ind. One Res 20
Array Ind One Res 20 Amp
3500
TVD
Array Ind. One Cond Ct
Spontaneous Potential
Gamma Ray
3600
TVD
3700
TVD
3800
TVD
3900
TVD


4000
TVD
4100
TVD
4200
TVD
4300
TVD
4400
TVD
4500
TVD
4600
TVD
4700
TVD
4800
TVD
4900
TVD
5000
TVD


5100
TVD
5200
TVD
5300
TVD
5400
TVD
5500
TVD
5600
TVD
5700
TVD
5800
TVD
5900
TVD
6000
TVD
6100
TVD
Array Ind. One Res Rt
Array Ind. One Res 20
Array Ind
Res 20 Amp
Array Ind. One Cond Ct
Spontaneous Potential
Gamma Ray


6200
TVD
6300
TVD
6400
TVD
6500
TVD
6600
TVD
6700
TVD
6800
TVD
6900
TVD
7000
TVD
7100
TVD
7200
TVD


7300
TVD
7400
TVD
7500
TVD
7600
TVD
Array Ind. One Res Rt
Array Ind. One Res 20
Array Ind One Res 20 Amp
Array Ind. One Cond Ct
Spontaneous Potential
Gamma Ray
7700
TVD
7800
TVD
7900
TVD
8000
TVD
8100
TVD
8200
TVD
8300
TVD

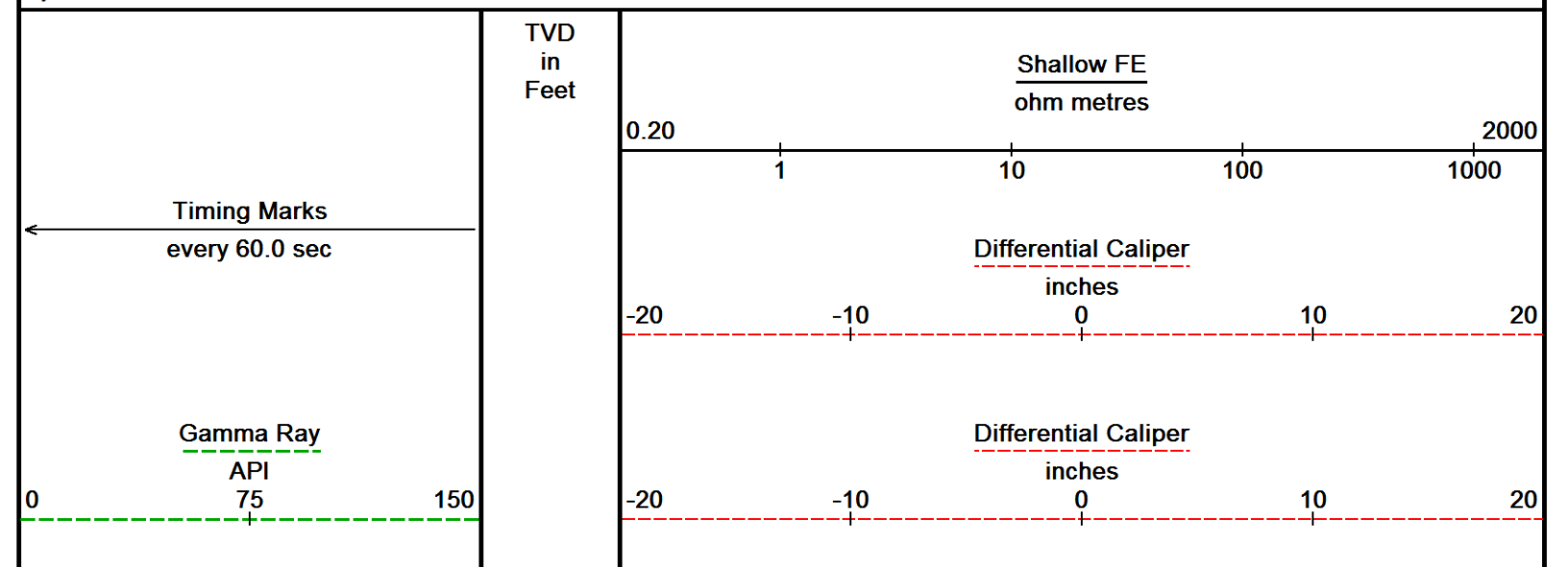


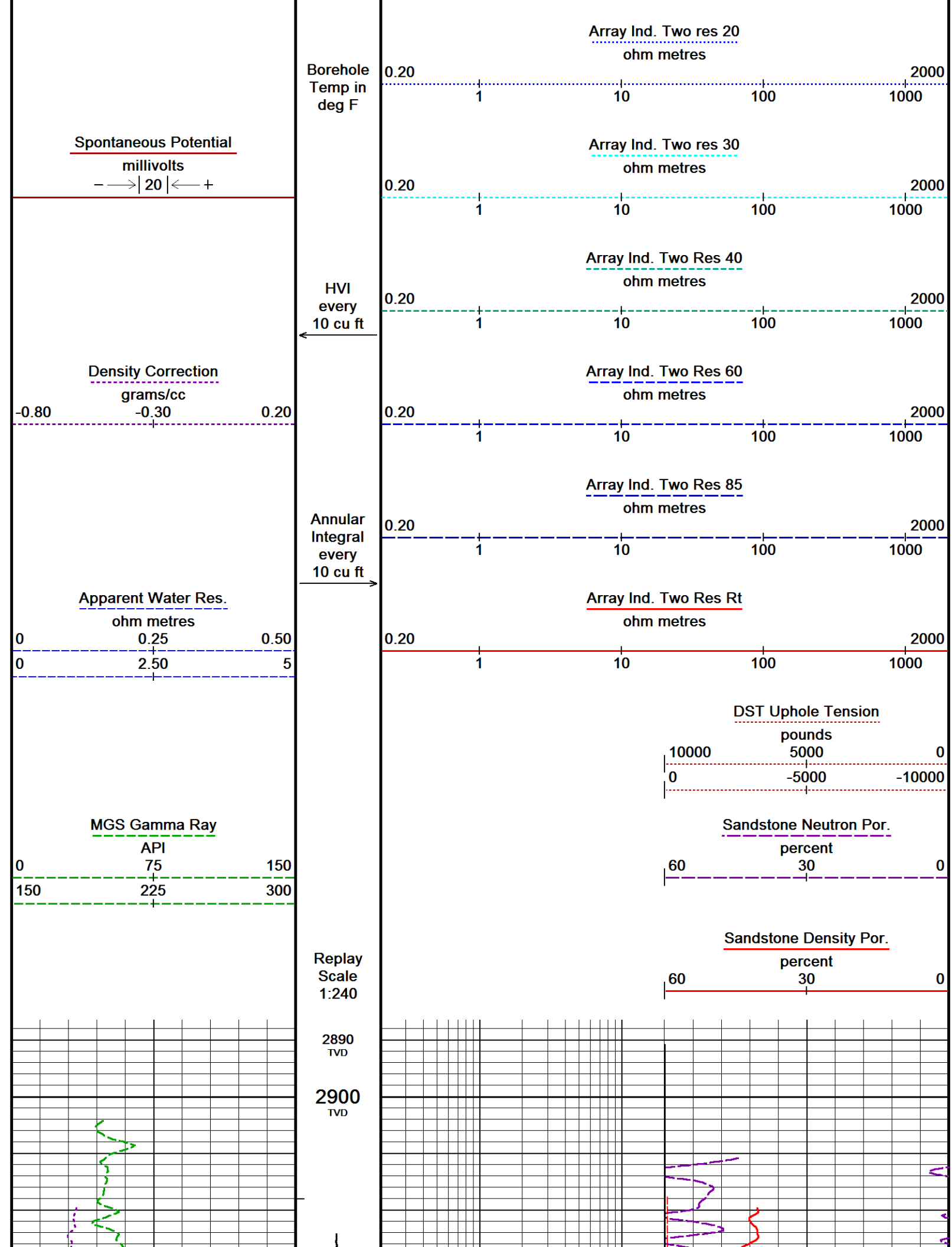
Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 30-MAY-2013 14:55
Filename: C:\Program Files (x86)\Weatherford\WLS 13.04\Data\Crown\mem_wl_merge_001.dta
Recorded on 24-MAY-2013 10:48
System Versions: Plotted with 13.04.8723

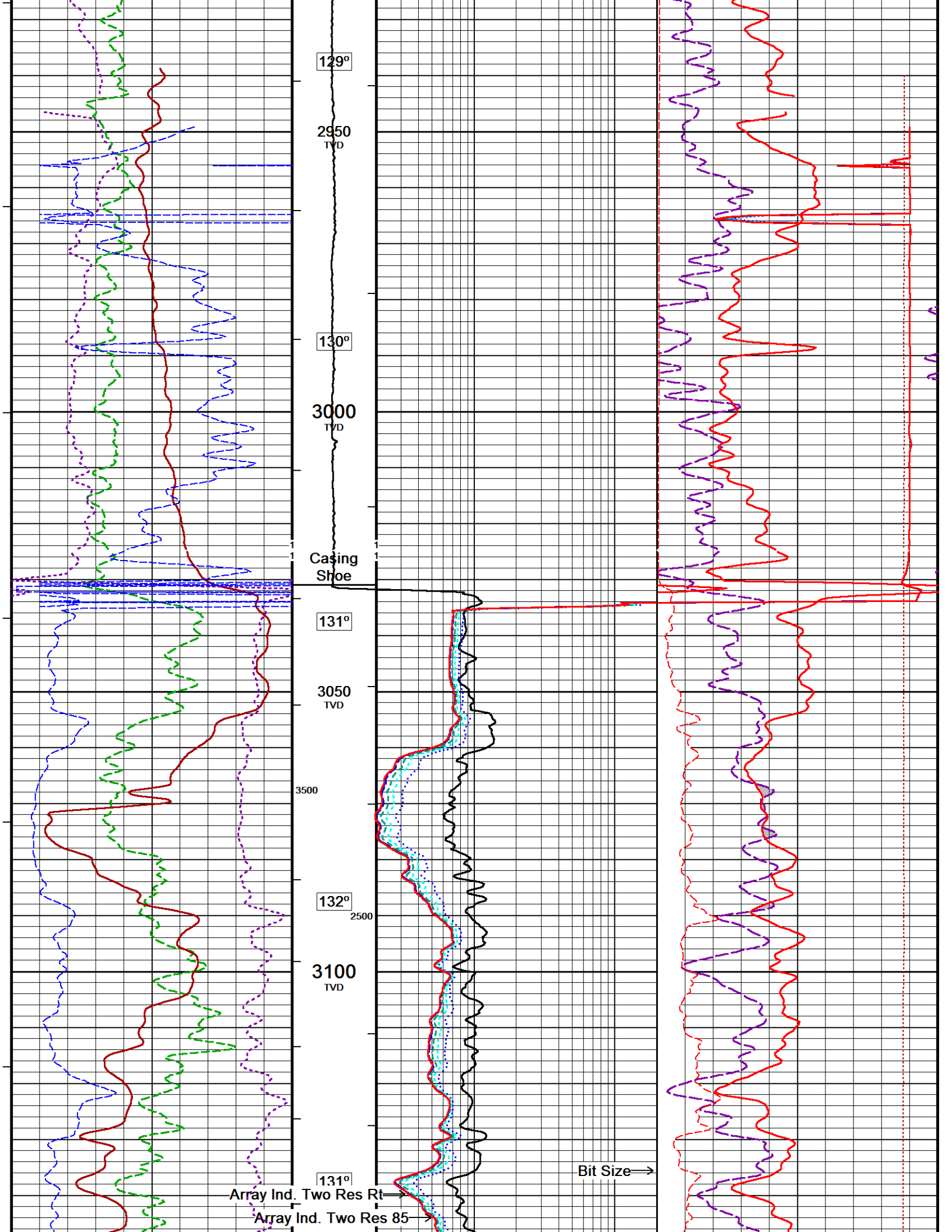
TVD

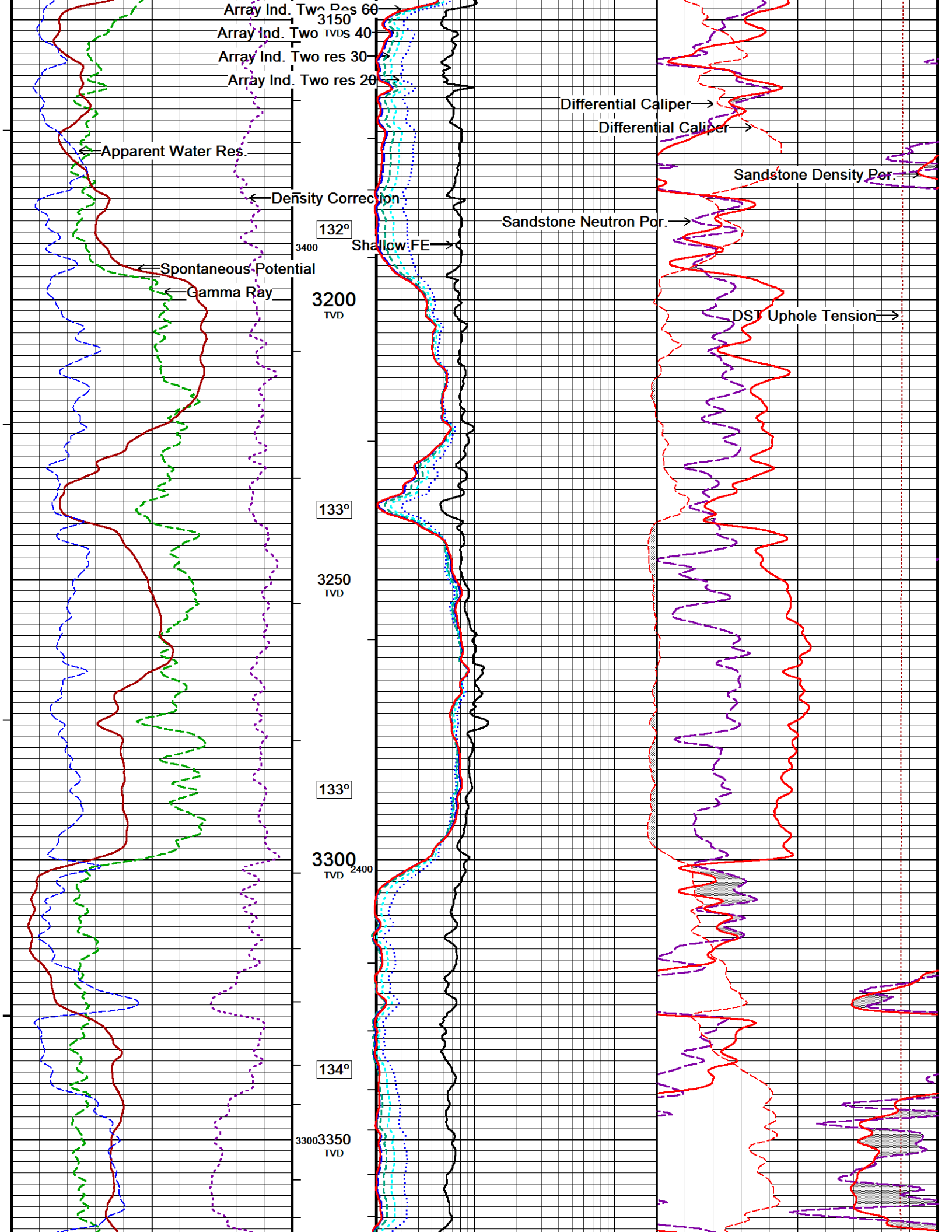
TVD

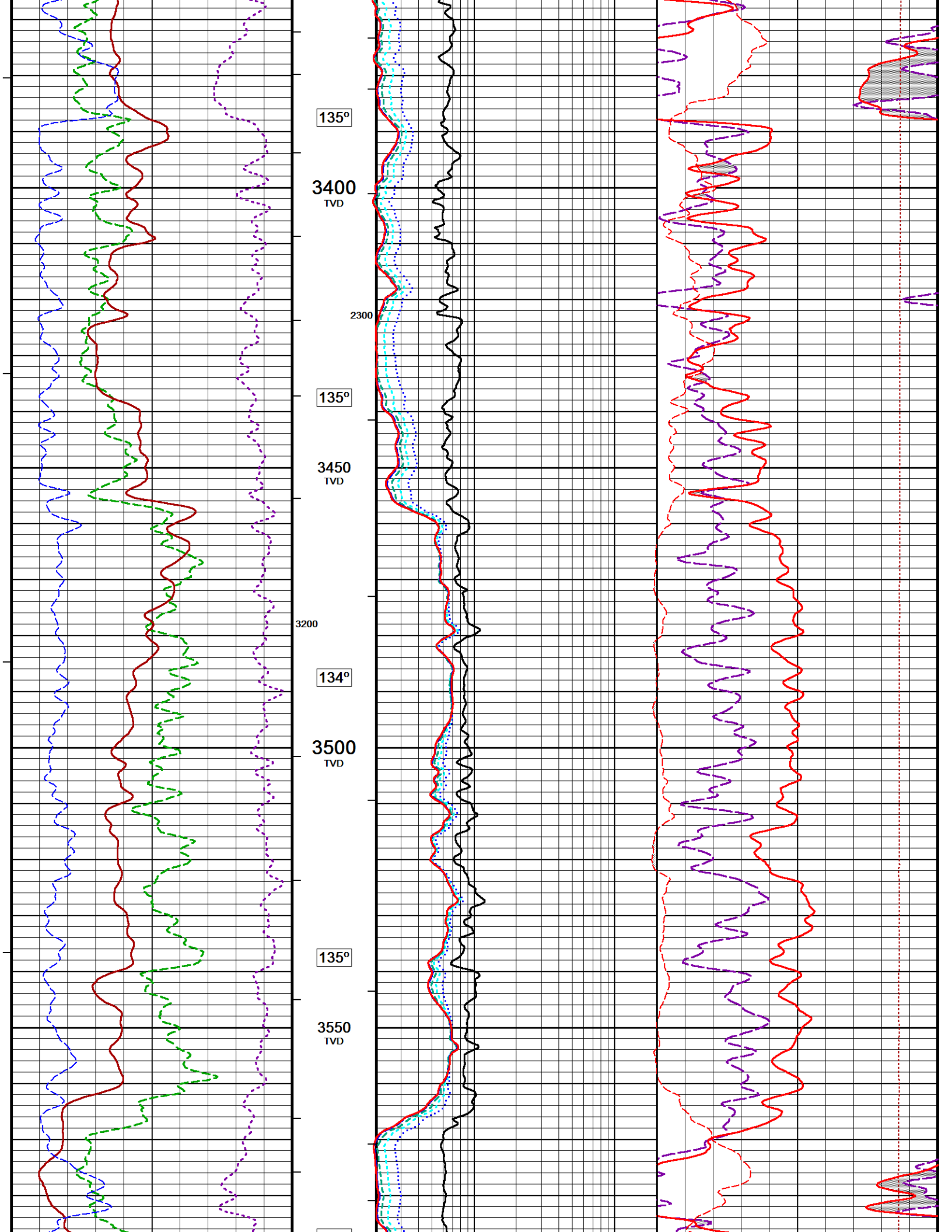
Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 30-MAY-2013 14:55
Filename: C:\Program Files (x86)\Weatherford\WLS 13.04\Data\Crown\mem_wl_merge_001.dta
Recorded on 24-MAY-2013 10:48
System Versions: Plotted with 13.04.8723

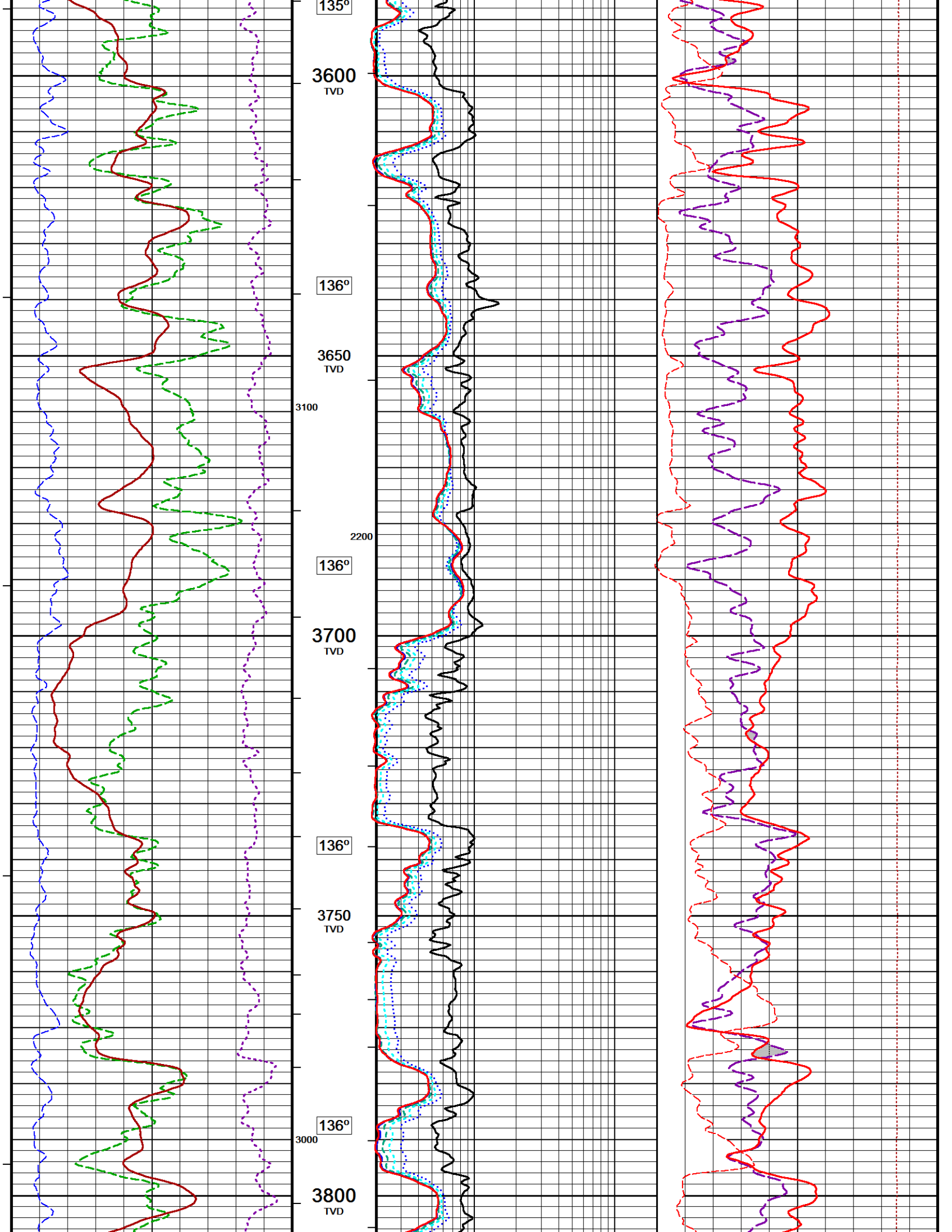


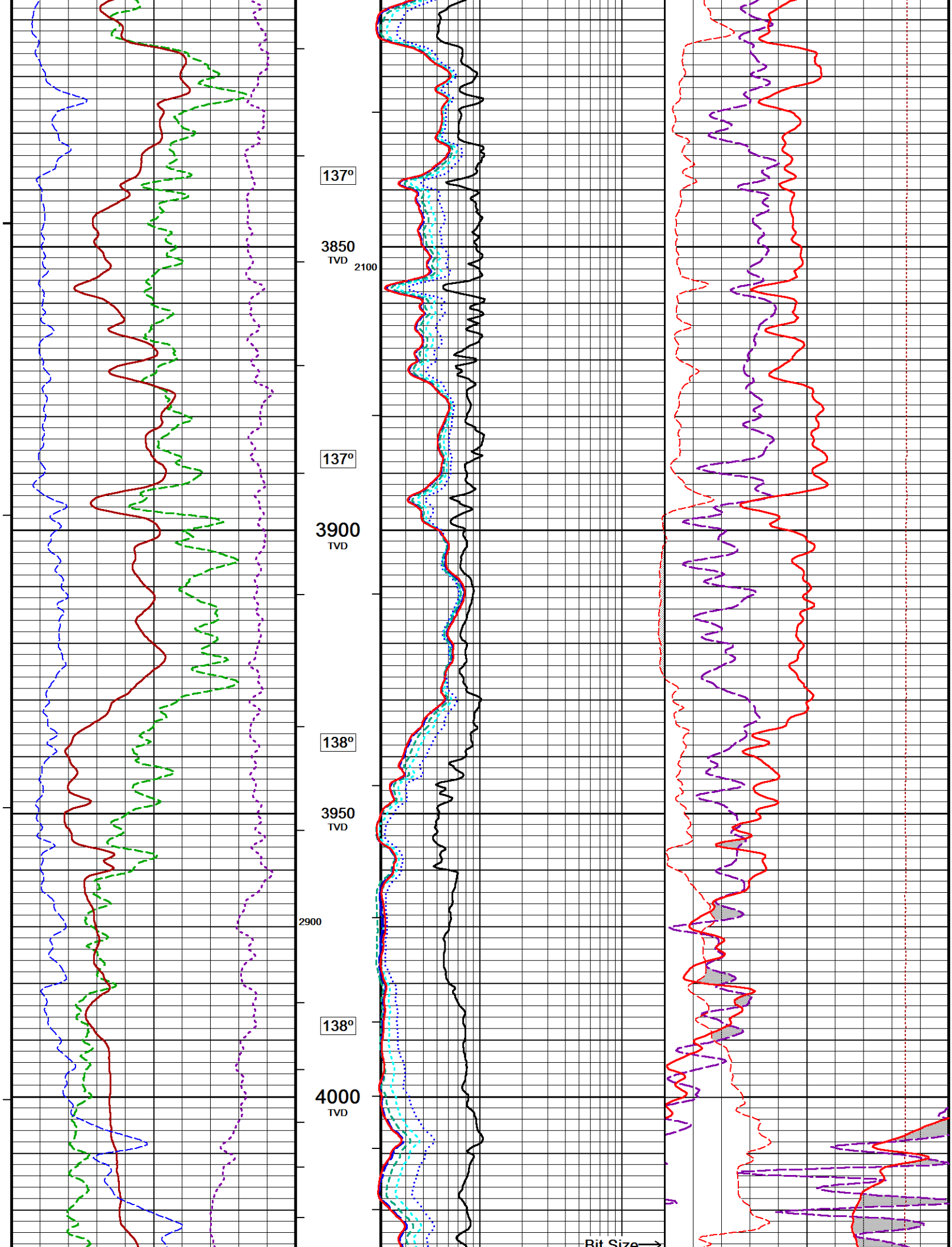

Spontaneous Potential
millivolts
– 20 +
Borehole Temp in deg F
Array Ind. Two res 20
ohm metres
0.20
2000
1
10
100
1000
Array Ind. Two res 30
ohm metres
0.20
2000
1
10
100
1000
HVI every 10 cu ft
Array Ind. Two Res 40
ohm metres
0.20
2000
1
10
100
1000
Density Correction
grams/cc
-0.80
-0.30
0.20
Array Ind. Two Res 60
ohm metres
0.20
2000
1
10
100
1000
Array Ind. Two Res 85
ohm metres
0.20
2000
1
10
100
1000
Annular Integral every 10 cu ft
Apparent Water Res.
ohm metres
0
0.25
0.50
0
2.50
5
Array Ind. Two Res Rt
ohm metres
0.20
2000
1
10
100
1000
DST Uphole Tension
pounds
10000
5000
0
0
-5000
-10000
MGS Gamma Ray
API
0
75
150
150
225
300
Sandstone Neutron Por.
percent
60
30
0
Sandstone Density Por.
percent
60
30
0
Replay Scale 1:240
2890
TVD
2900
TVD

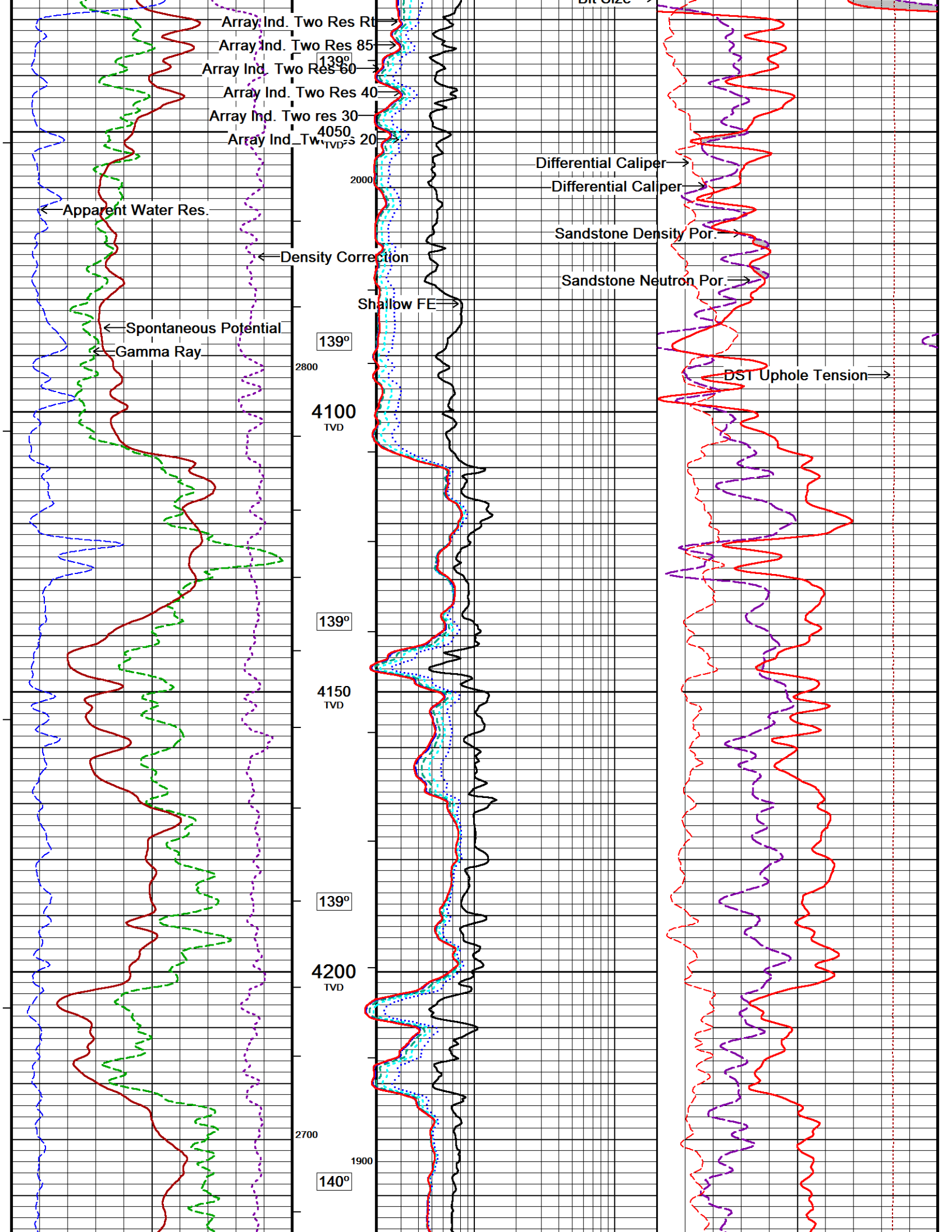

129°
2950
TVD
130°
3000
TVD
Casing
Shoe
131°
3050
TVD
3500
132°
2500
3100
TVD
131°
Bit Size
Array Ind. Two Res Rt
Array Ind. Two Res 85

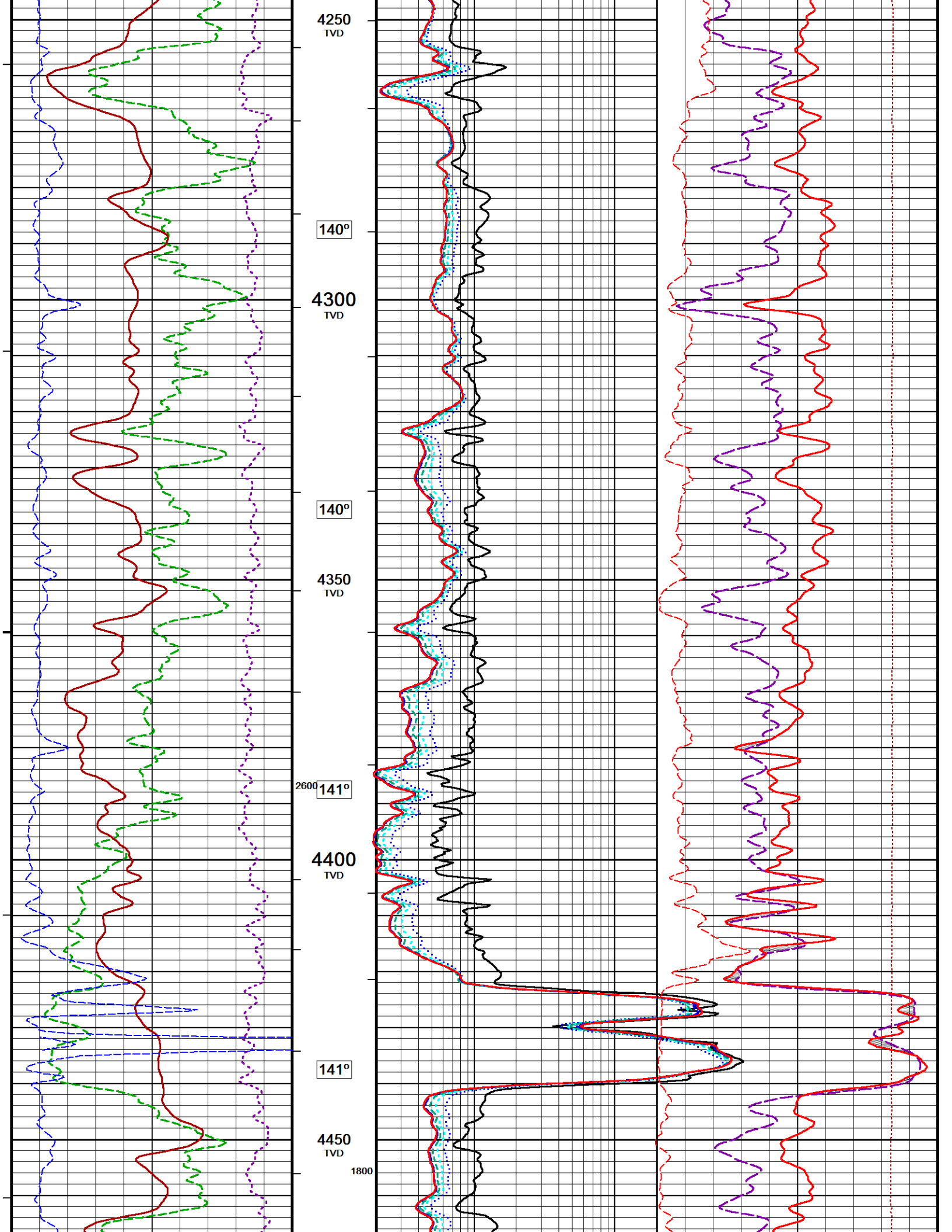

Array Ind. Two Res 60
Array Ind. Two TVDs 40
Array Ind. Two res 30
Array Ind. Two res 20
Differential Caliper
Differential Caliper
Apparent Water Res.
Sandstone Density Por.
Density Correction
Sandstone Neutron Por.
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
3150
132°
3400
3200
TVD
133°
3250
TVD
133°
3300
TVD
2400
134°
3300
3350
TVD

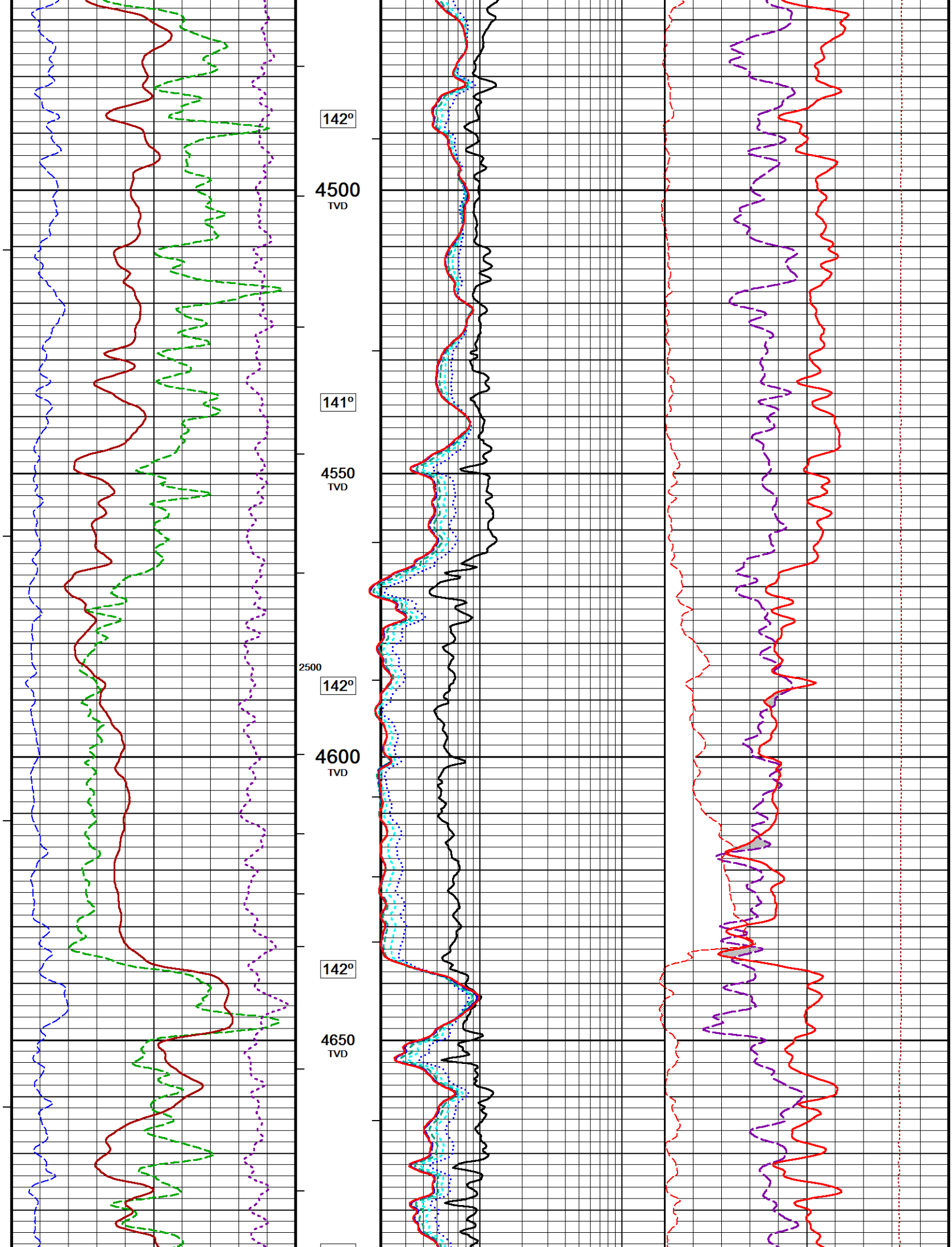

135°
3400
TVD
2300
135°
3450
TVD
3200
134°
3500
TVD
135°
3550
TVD

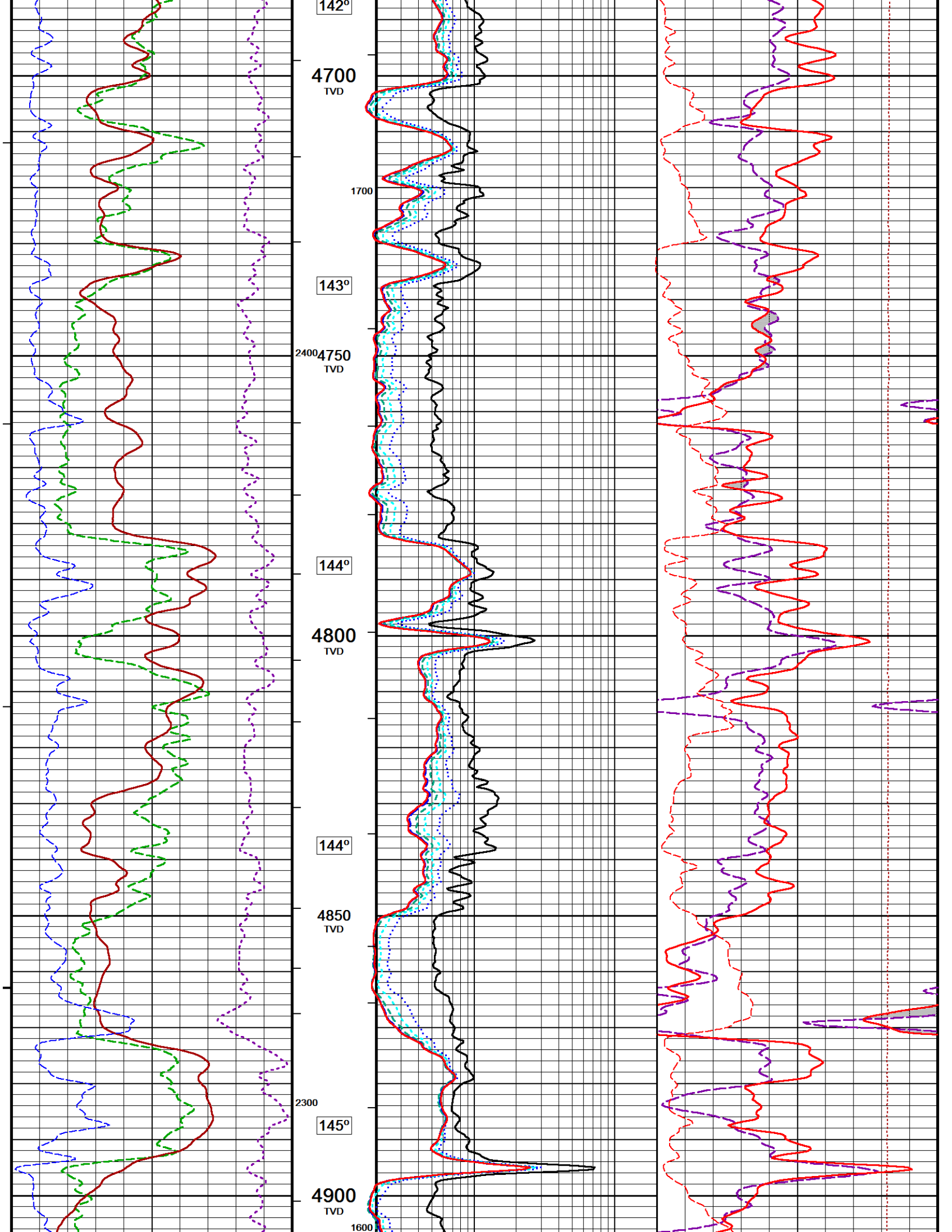

135°
3600
TVD
136°
3650
TVD
3100
2200
136°
3700
TVD
136°
3750
TVD
136°
3000
3800
TVD

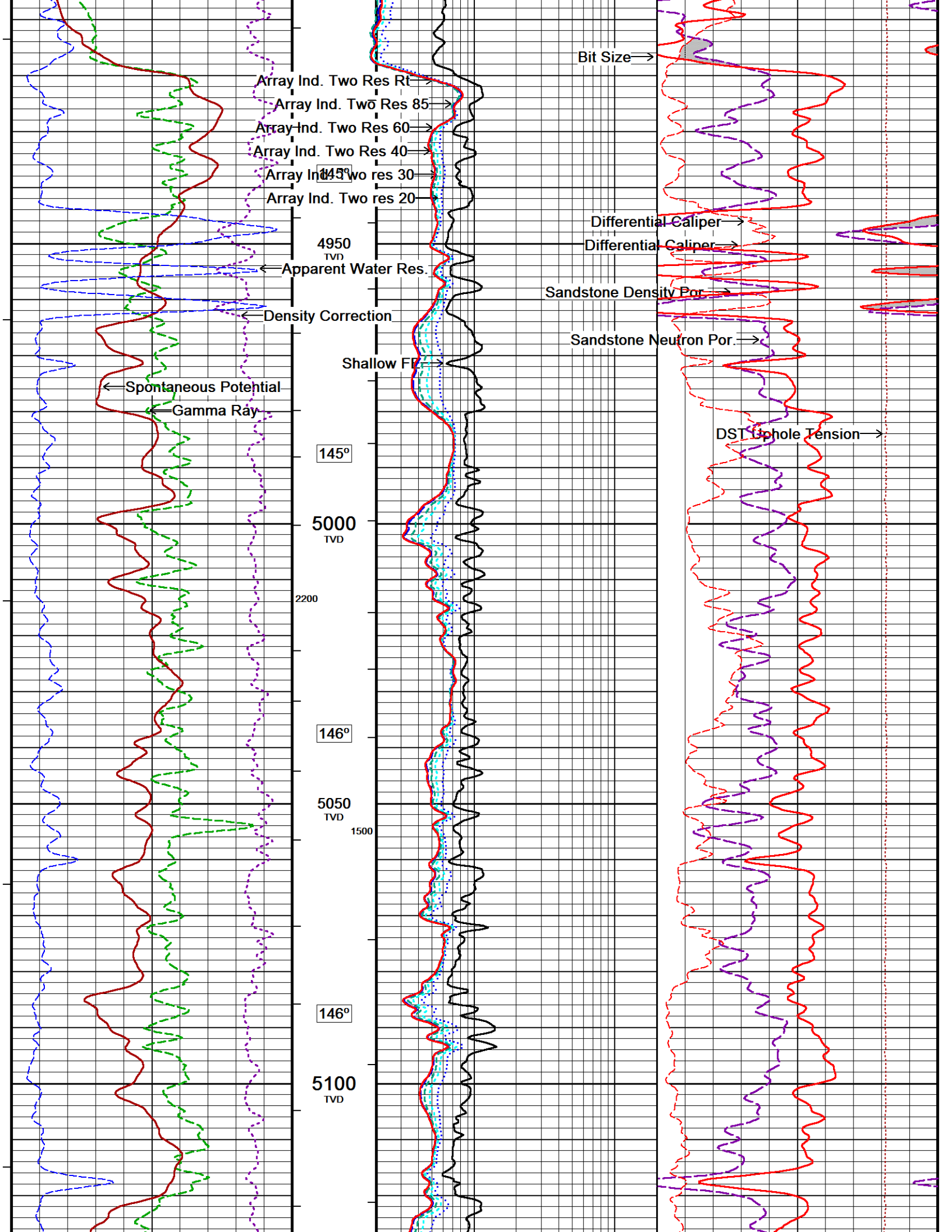

137°
3850
TVD
2100
137°
3900
TVD
138°
3950
TVD
2900
138°
4000
TVD
Bit Size⟶

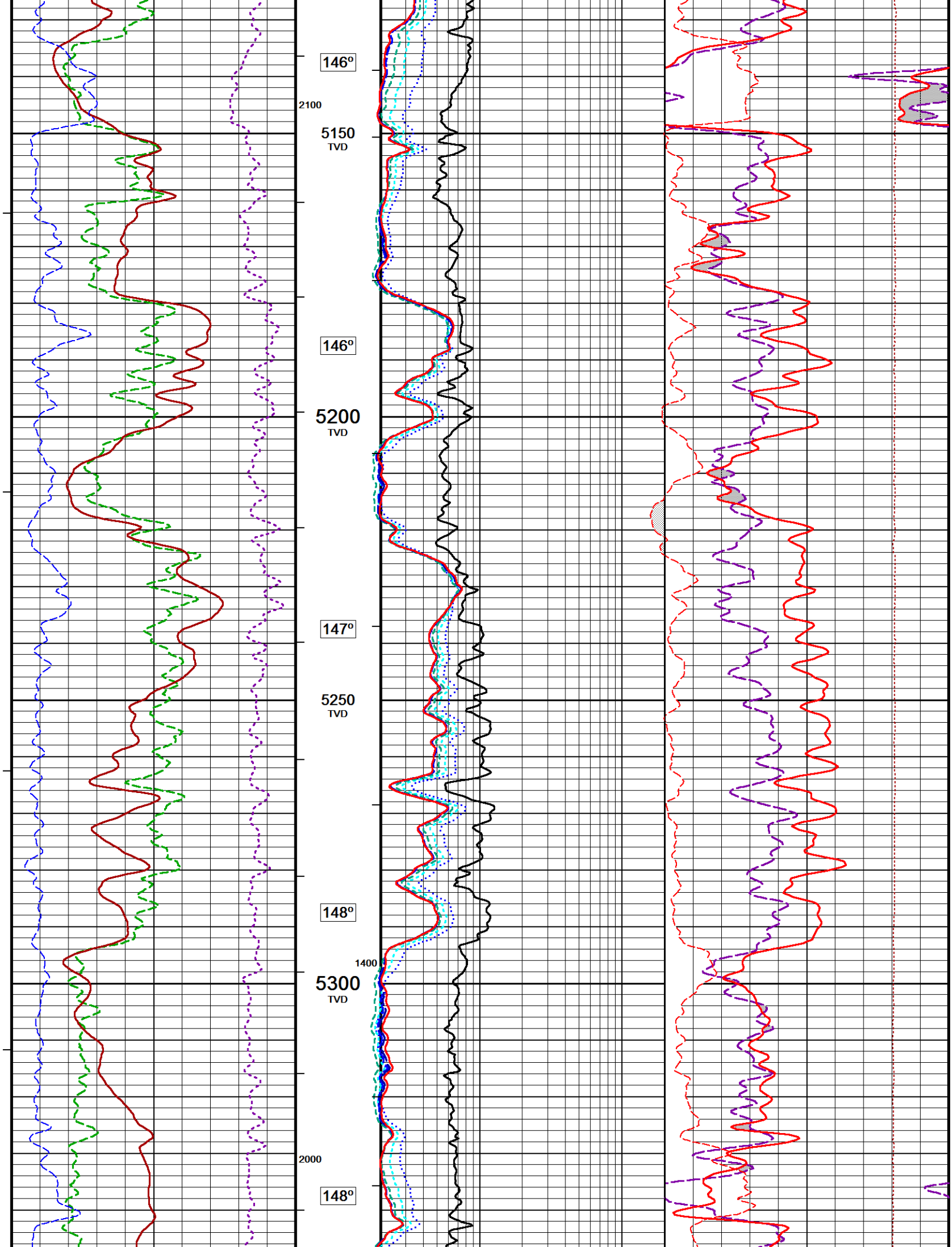

Array Ind. Two Res Rt
Array Ind. Two Res 85
139°
Array Ind. Two Res 60
Array Ind. Two Res 40
Array Ind. Two res 30
4050
TVD
Array Ind. Two res 20
2000
Apparent Water Res.
Density Correction
Shallow FE
Spontaneous Potential
Gamma Ray
139°
2800
4100
TVD
139°
4150
TVD
139°
4200
TVD
2700
1900
140°
Differential Caliper
Differential Caliper
Sandstone Density Por.
Sandstone Neutron Por.
DST Uphole Tension

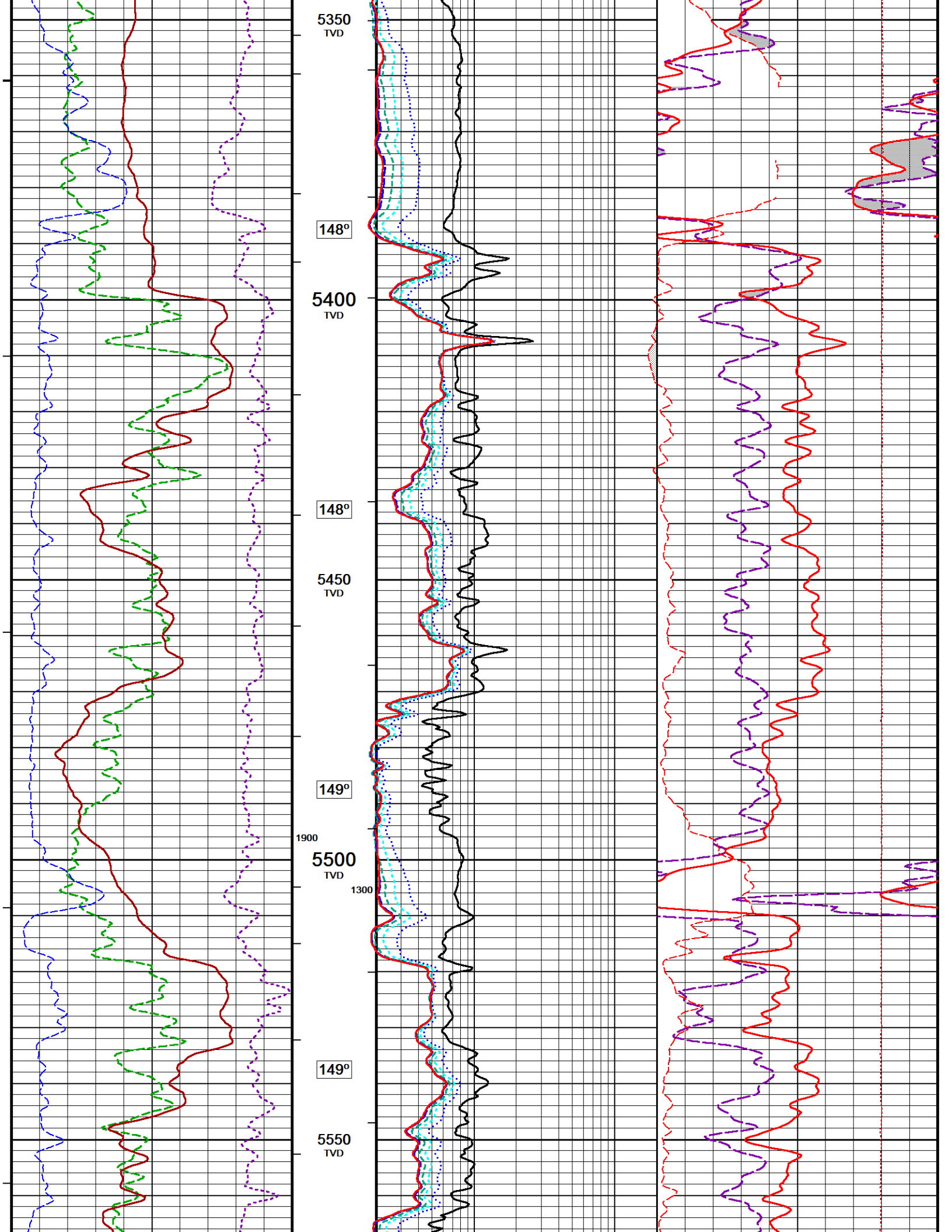

4250
TVD
140°
4300
TVD
140°
4350
TVD
2600
141°
4400
TVD
141°
4450
TVD
1800

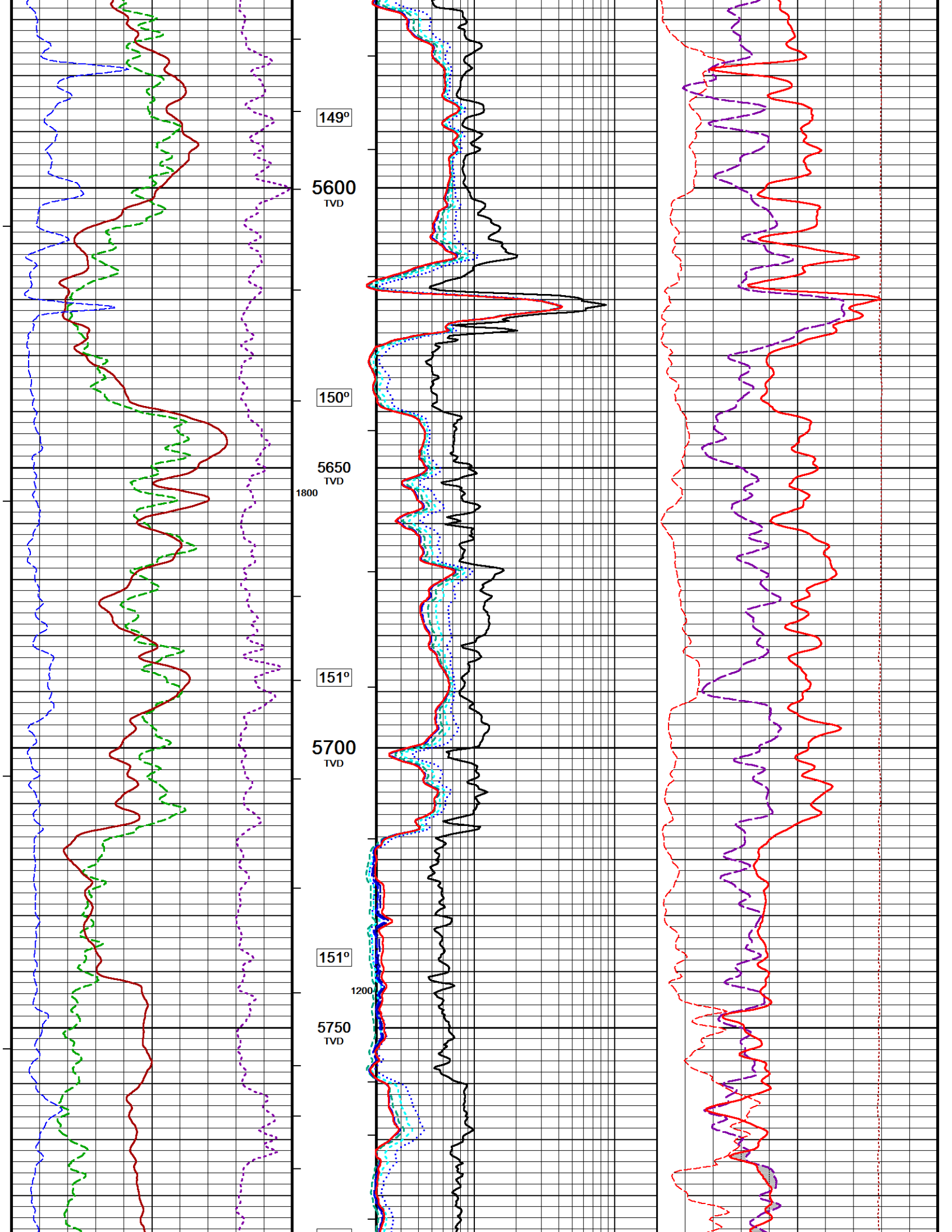

142°
4500
TVD
141°
4550
TVD
2500
142°
4600
TVD
142°
4650
TVD

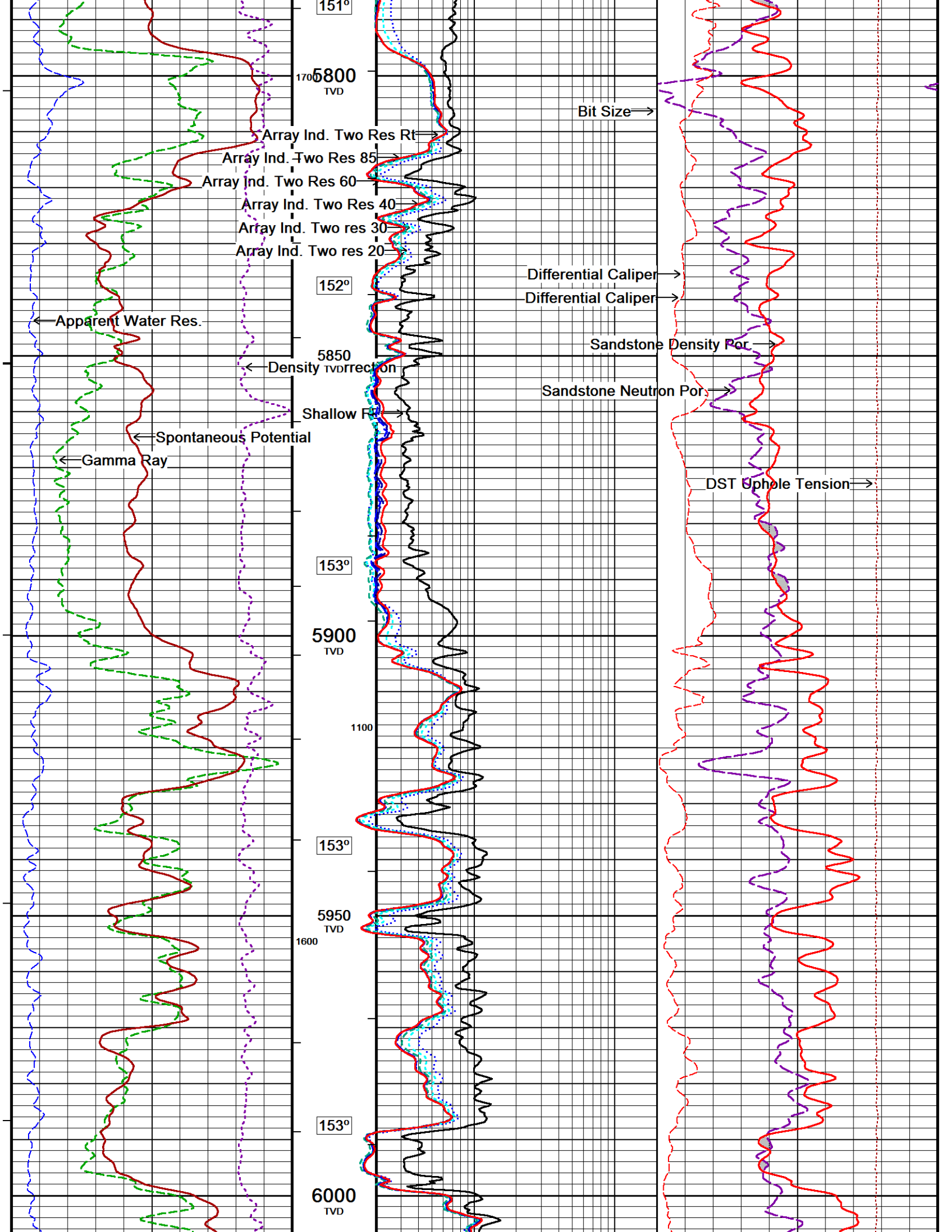

142°
4700
TVD
1700
143°
2400
4750
TVD
144°
4800
TVD
144°
4850
TVD
2300
145°
4900
TVD
1600

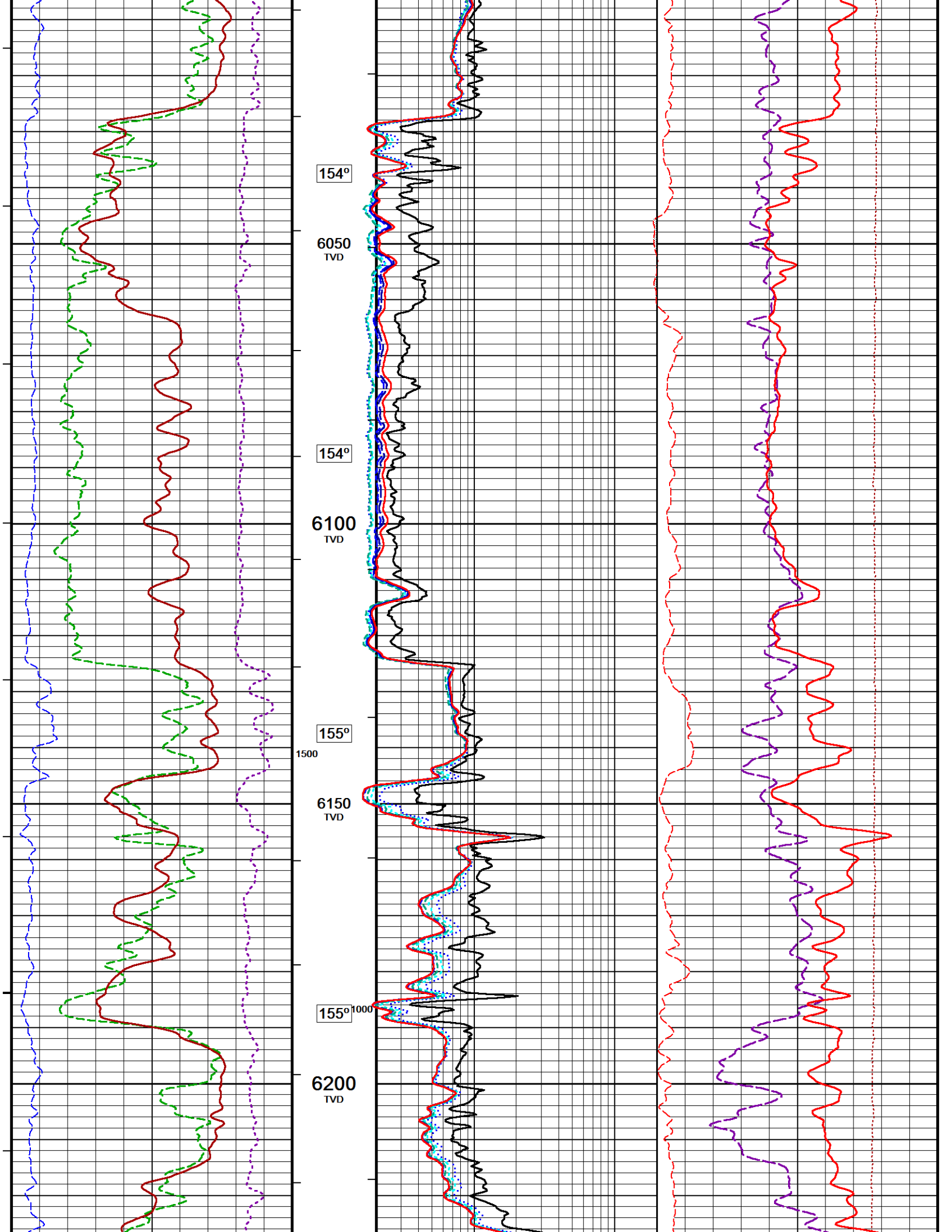

Bit Size
Array Ind. Two Res Rt
Array Ind. Two Res 85
Array Ind. Two Res 60
Array Ind. Two Res 40
Array Ind. Two res 30
Array Ind. Two res 20
145°
Differential Caliper
Differential Caliper
4950
TVD
Apparent Water Res.
Sandstone Density Por
Density Correction
Sandstone Neutron Por.
Shallow FE
Spontaneous Potential
Gamma Ray
DST Uphole Tension
145°
5000
TVD
2200
146°
5050
TVD
1500
146°
5100
TVD

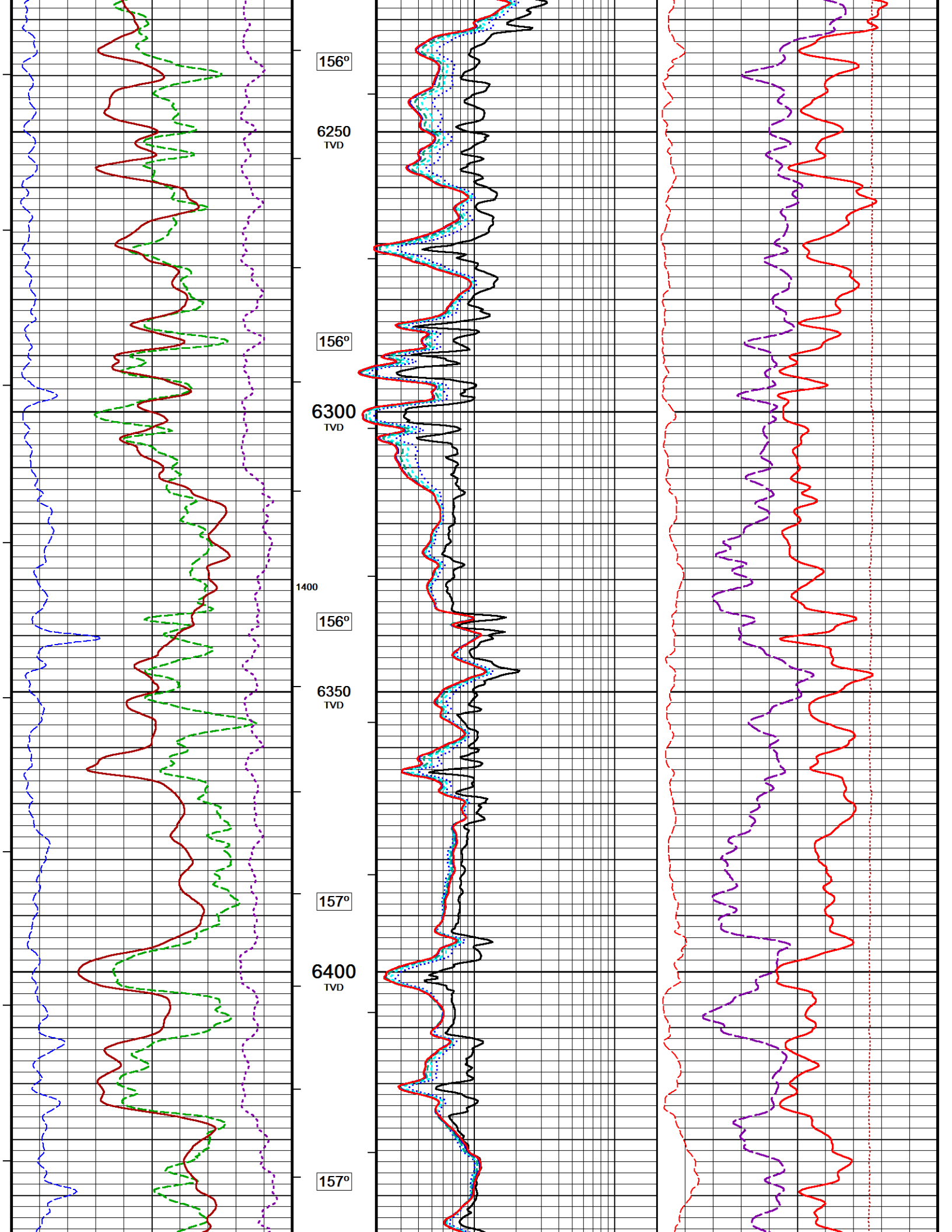

146°
2100
5150
TVD
146°
5200
TVD
147°
5250
TVD
148°
1400
5300
TVD
2000
148°

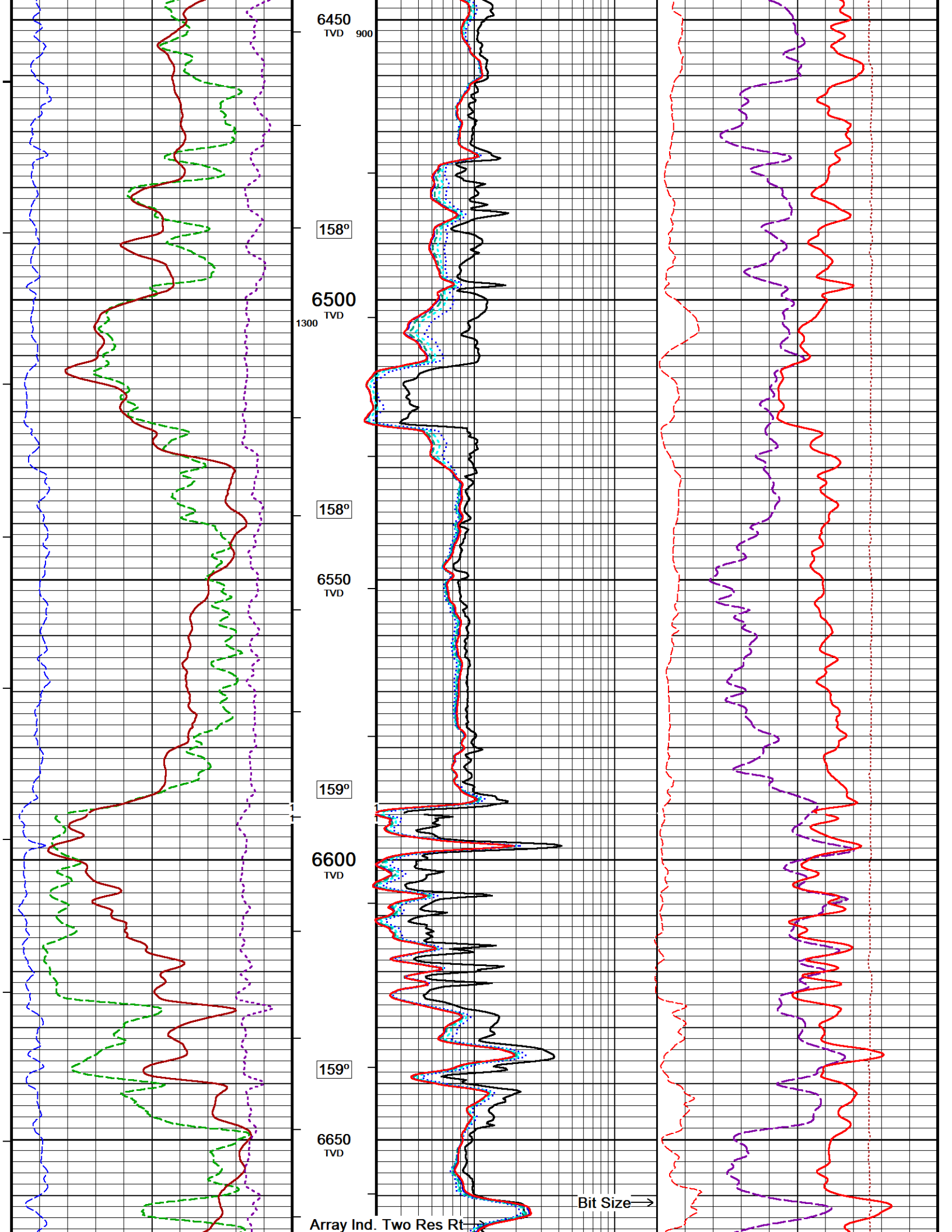

5350
TVD
148°
5400
TVD
148°
5450
TVD
149°
1900
5500
TVD
1300
149°
5550
TVD

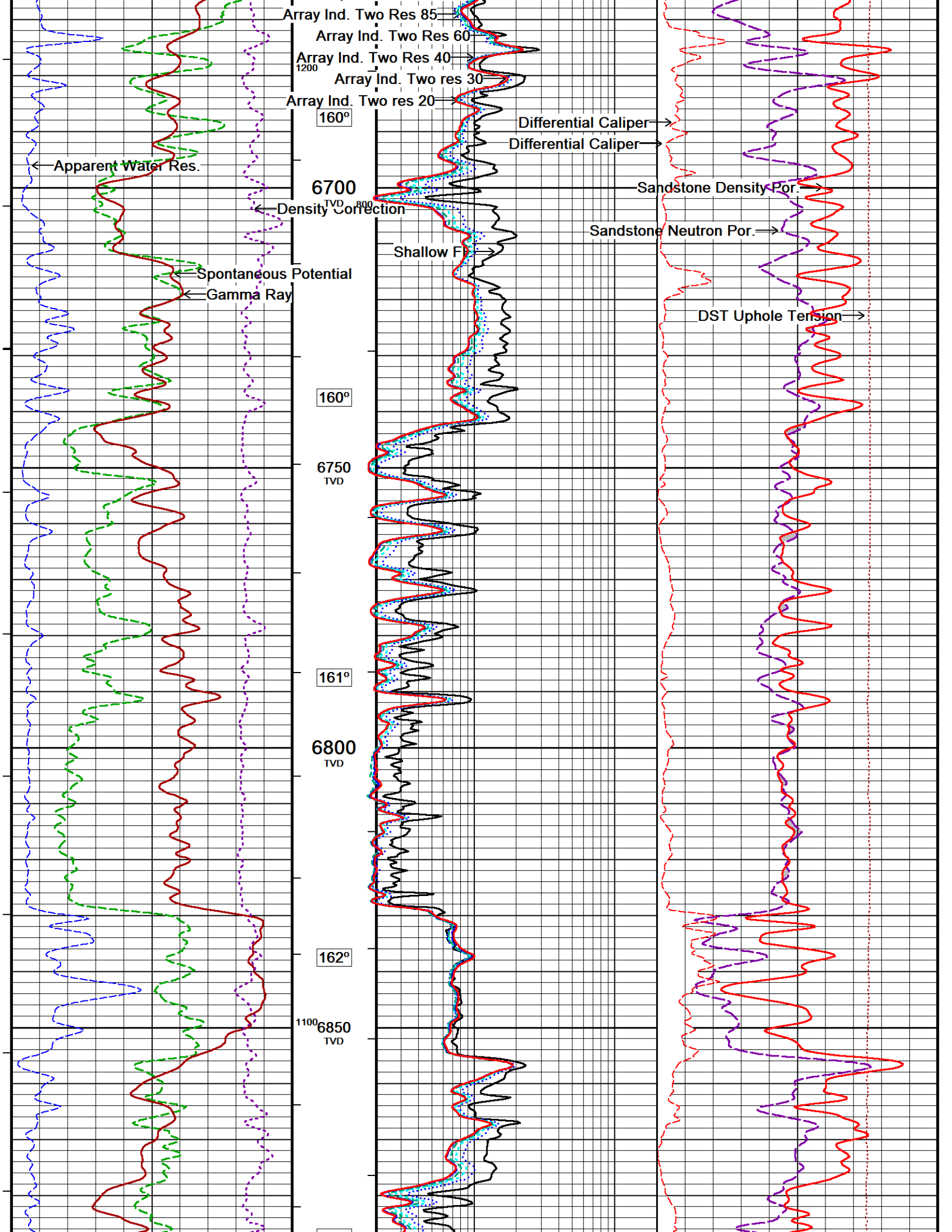

149°
5600
TVD
150°
5650
TVD
1800
151°
5700
TVD
151°
1200
5750
TVD

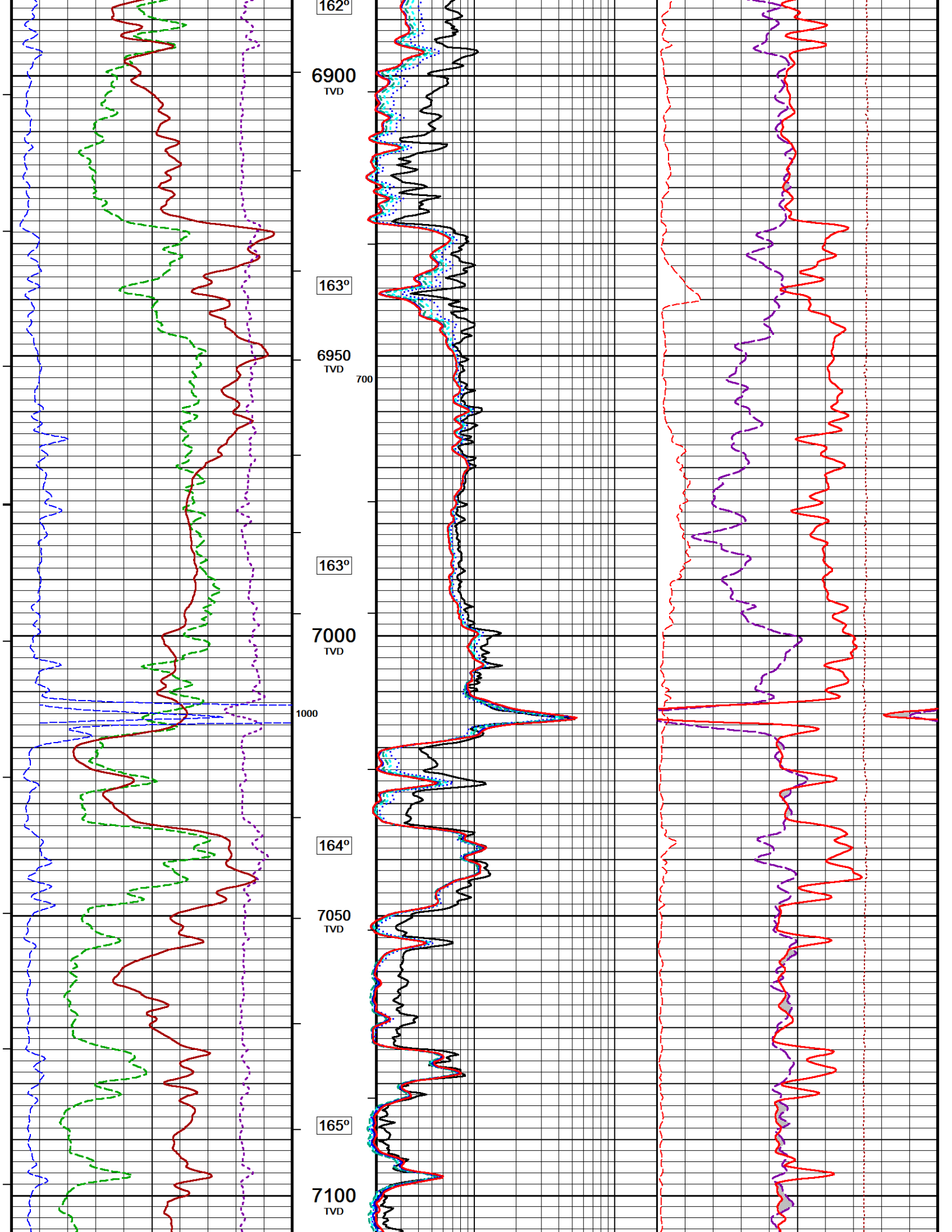

151°
1700
5800
TVD
Bit Size
Array Ind. Two Res Rt
Array Ind. Two Res 85
Array Ind. Two Res 60
Array Ind. Two Res 40
Array Ind. Two res 30
Array Ind. Two res 20
152°
Differential Caliper
Differential Caliper
Apparent Water Res.
5850
Density TVDrrection
Sandstone Density Por
Sandstone Neutron Por
Shallow Rt
Spontaneous Potential
Gamma Ray
DST Uphole Tension
153°
5900
TVD
1100
153°
5950
TVD
1600
153°
6000
TVD

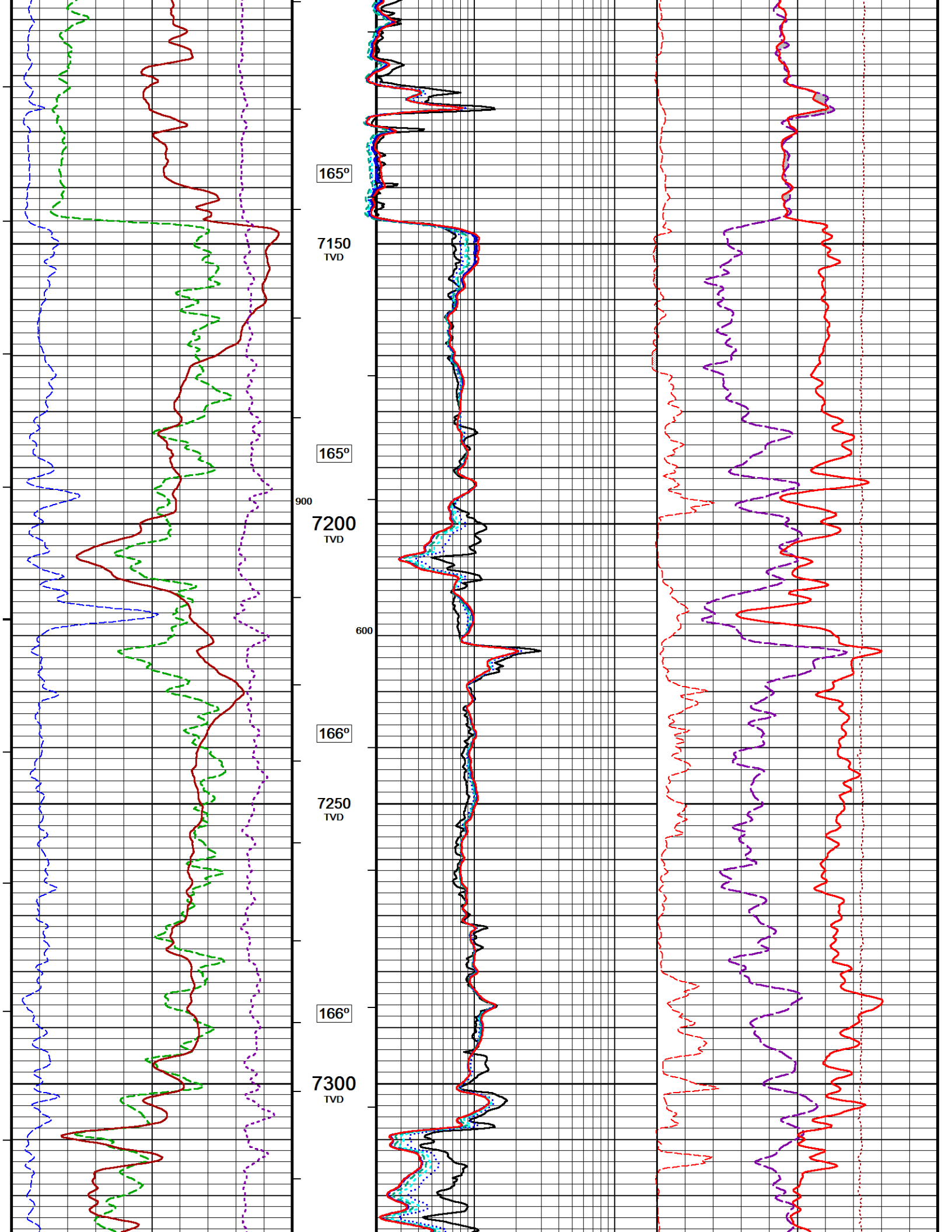

154°
6050
TVD
154°
6100
TVD
155°
1500
6150
TVD
155°
1000
6200
TVD

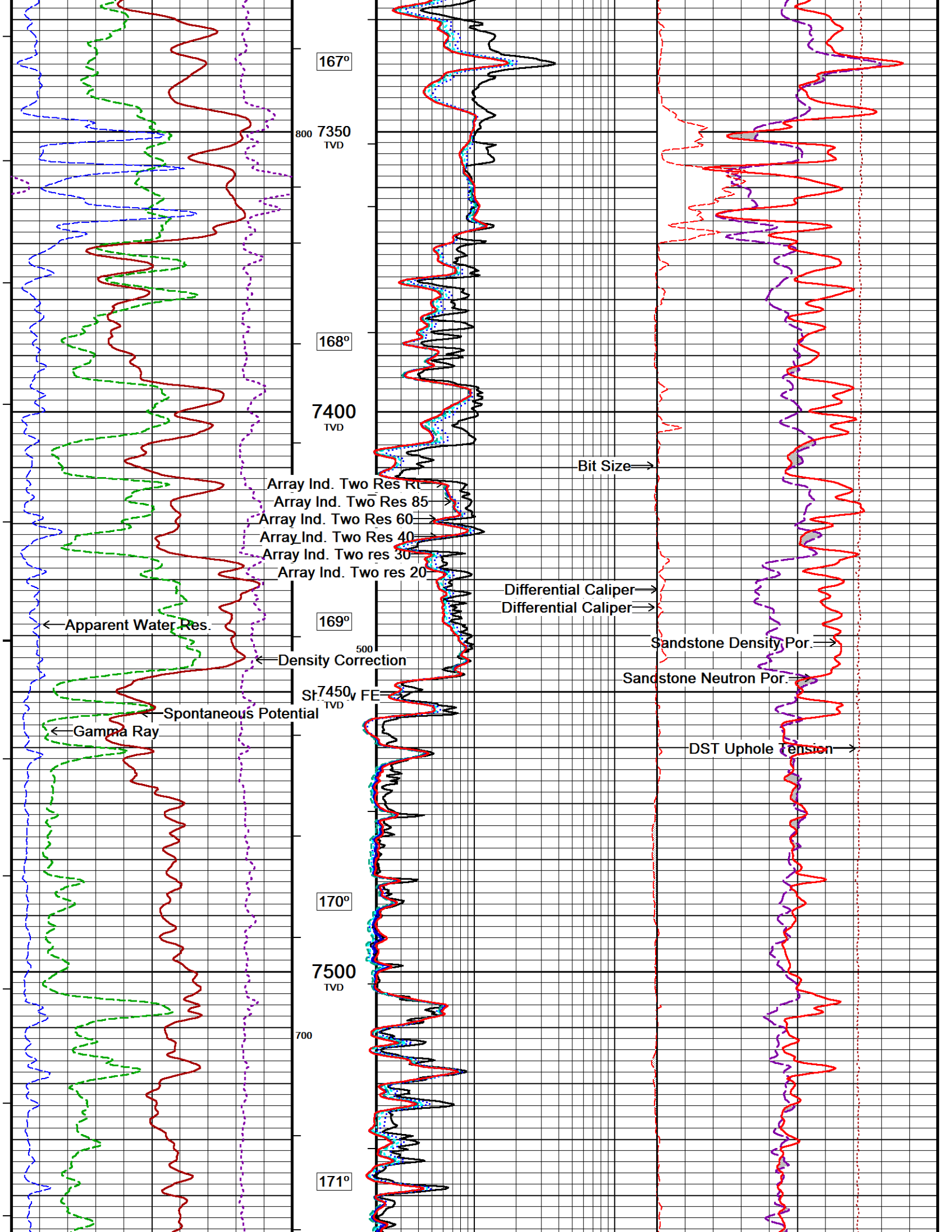

156°
6250
TVD
156°
6300
TVD
1400
156°
6350
TVD
157°
6400
TVD
157°

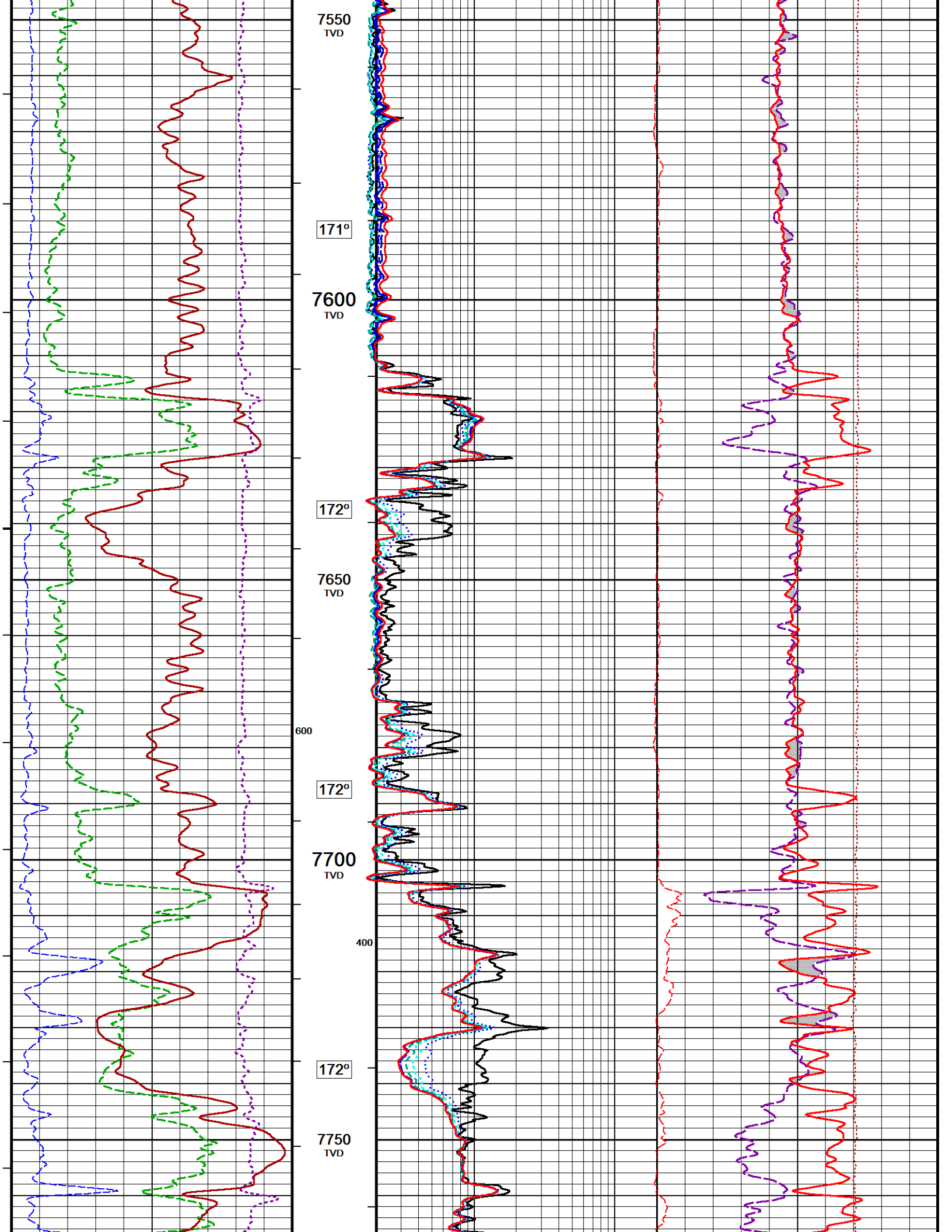

6450
TVD
900
158°
6500
TVD
1300
158°
6550
TVD
159°
6600
TVD
159°
6650
TVD
Bit Size
Array Ind. Two Res Rt

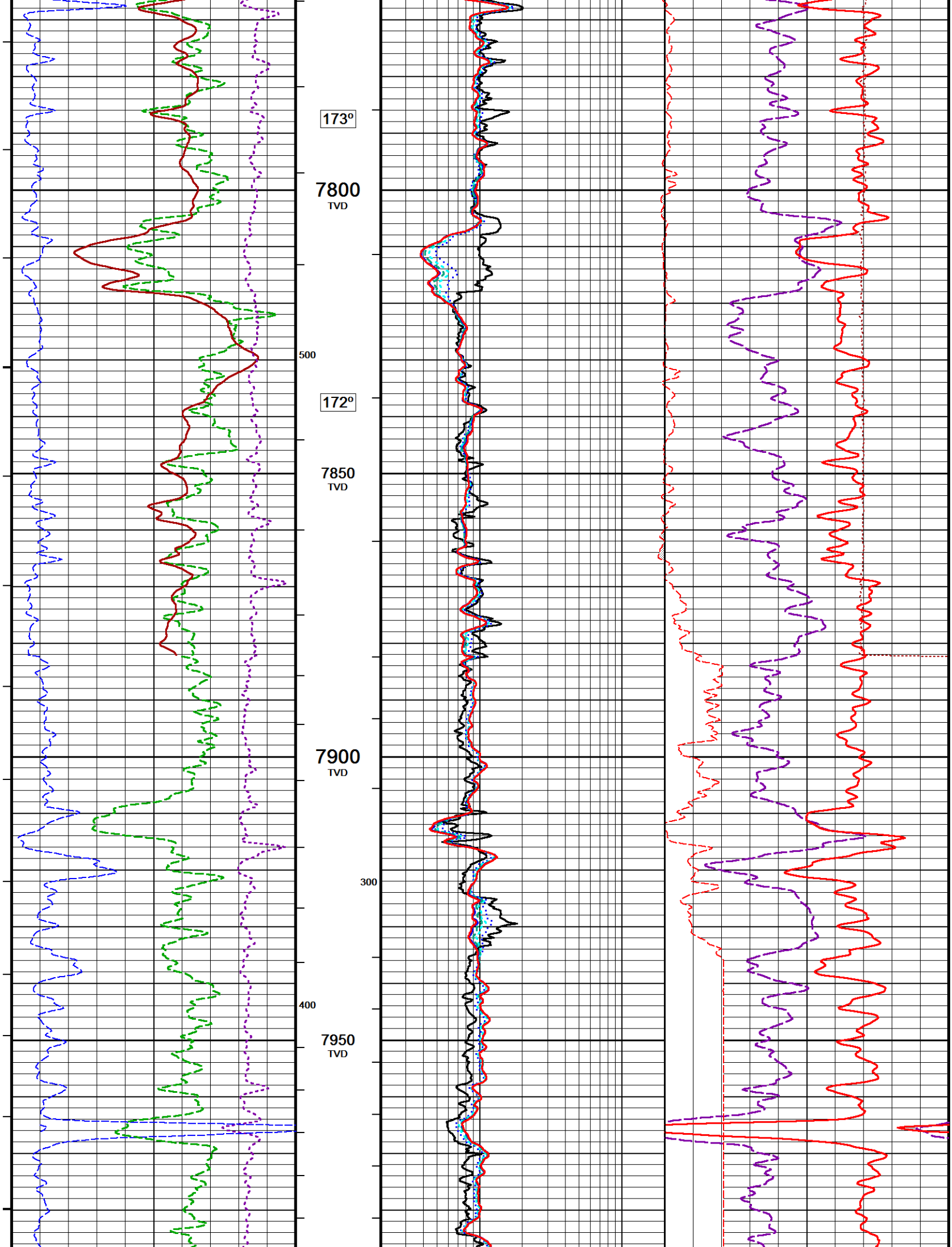

Array Ind. Two Res 85
Array Ind. Two Res 60
Array Ind. Two Res 40
Array Ind. Two res 30
Array Ind. Two res 20
1200
160°
Differential Caliper
Differential Caliper
Apparent Water Res.
6700
TVD
800
Density Correction
Sandstone Density Por.
Sandstone Neutron Por.
Shallow Fl
Spontaneous Potential
Gamma Ray
DST Uphole Tension
160°
6750
TVD
161°
6800
TVD
162°
1100
6850
TVD

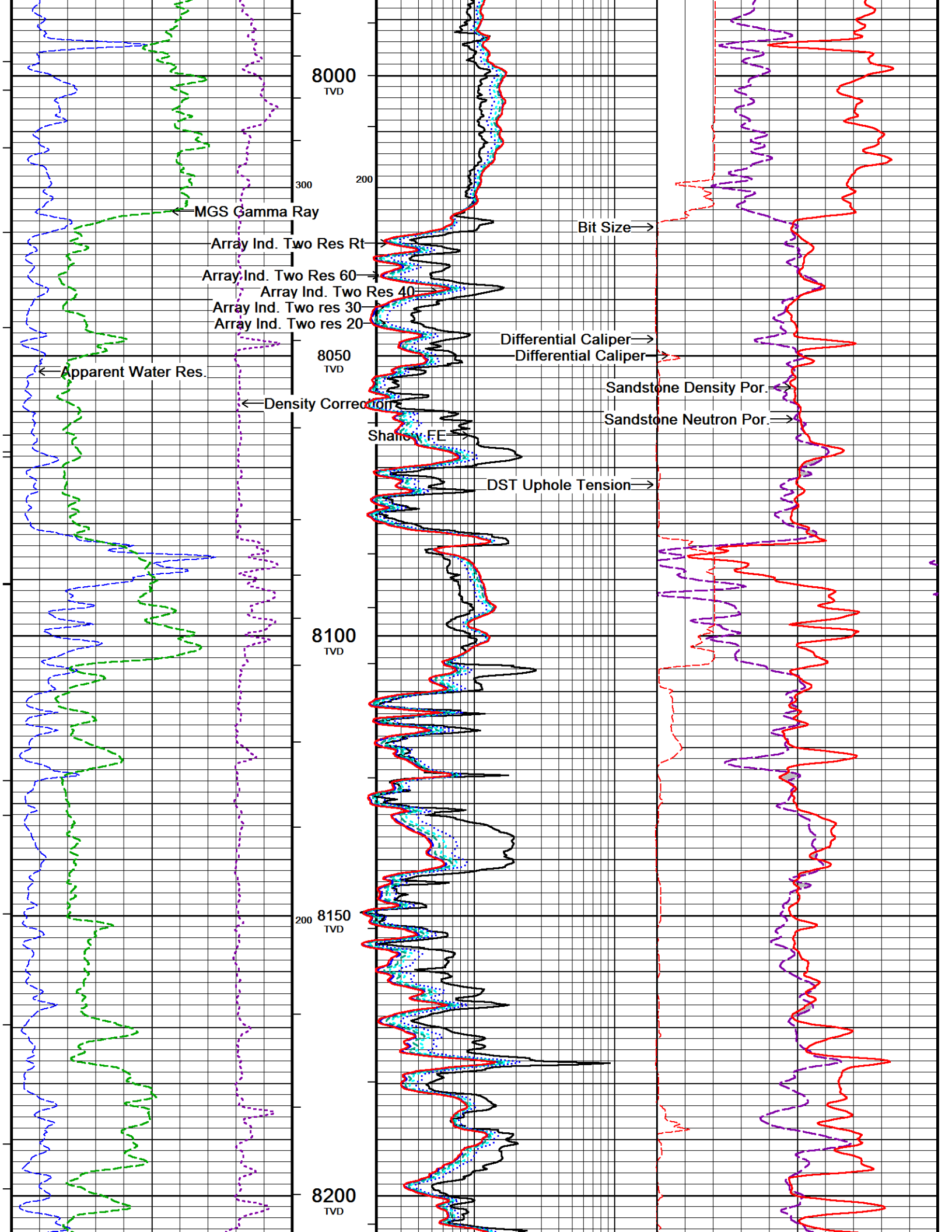

162°
6900
TVD
163°
6950
TVD
700
163°
7000
TVD
1000
164°
7050
TVD
165°
7100
TVD

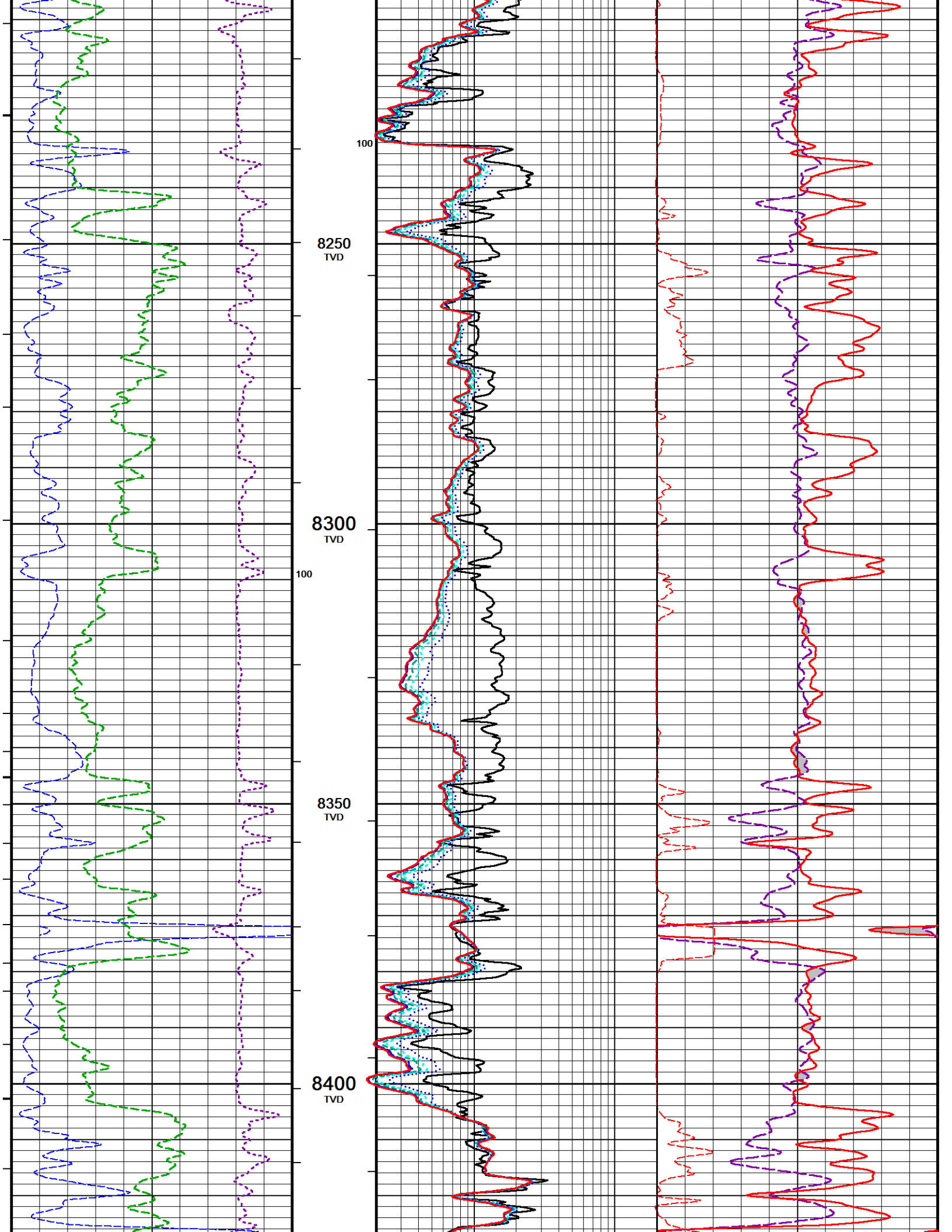

165°
7150
TVD
165°
900
7200
TVD
600
166°
7250
TVD
166°
7300
TVD

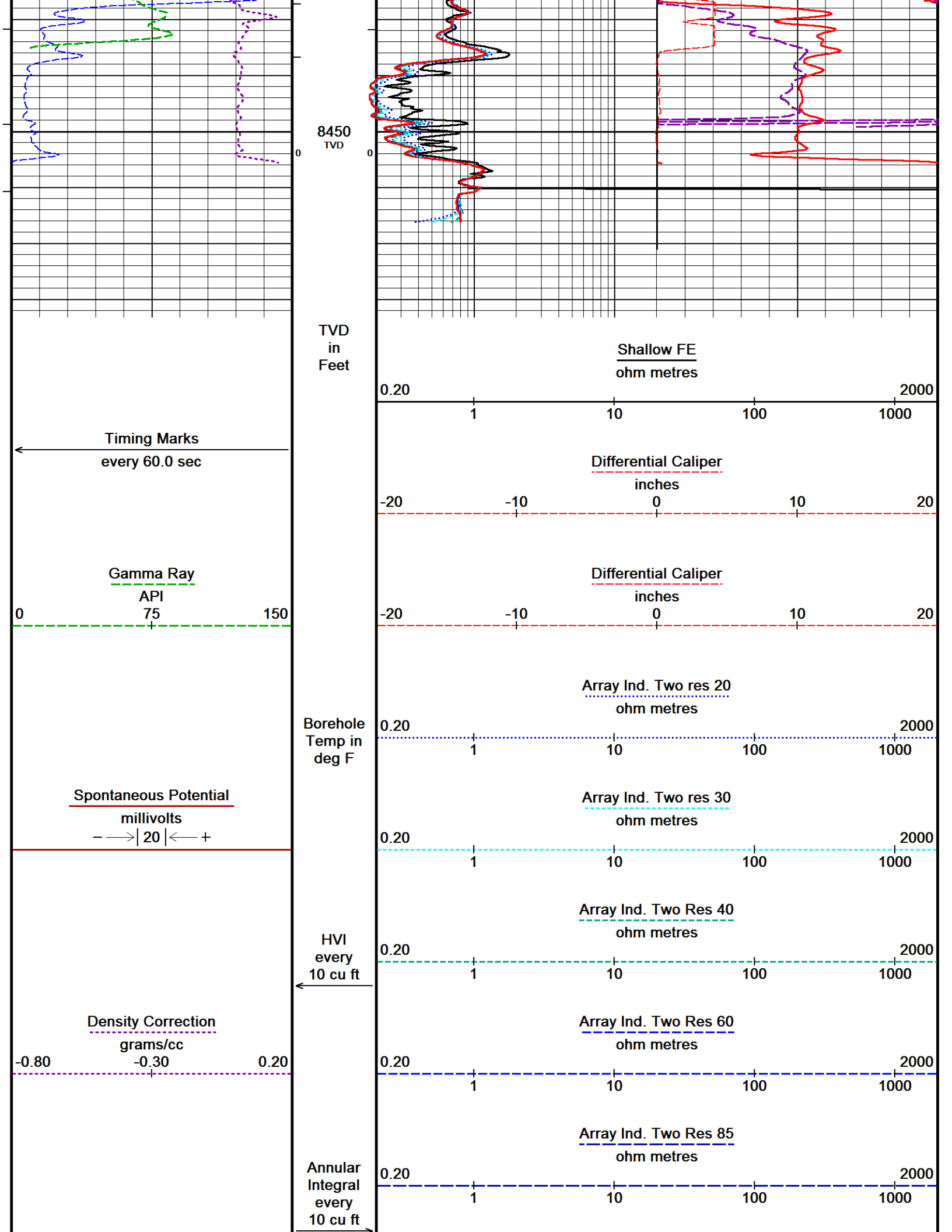

167°
800
7350
TVD
168°
7400
TVD
Bit Size
Array Ind. Two Res Rt
Array Ind. Two Res 85
Array Ind. Two Res 60
Array Ind. Two Res 40
Array Ind. Two res 30
Array Ind. Two res 20
Differential Caliper
Differential Caliper
169°
Apparent Water Res.
500
Density Correction
Sandstone Density Por.
Sandstone Neutron Por.
7450
TVD
Spontaneous Potential
Gamma Ray
DST Uphole Tension
170°
7500
TVD
700
171°

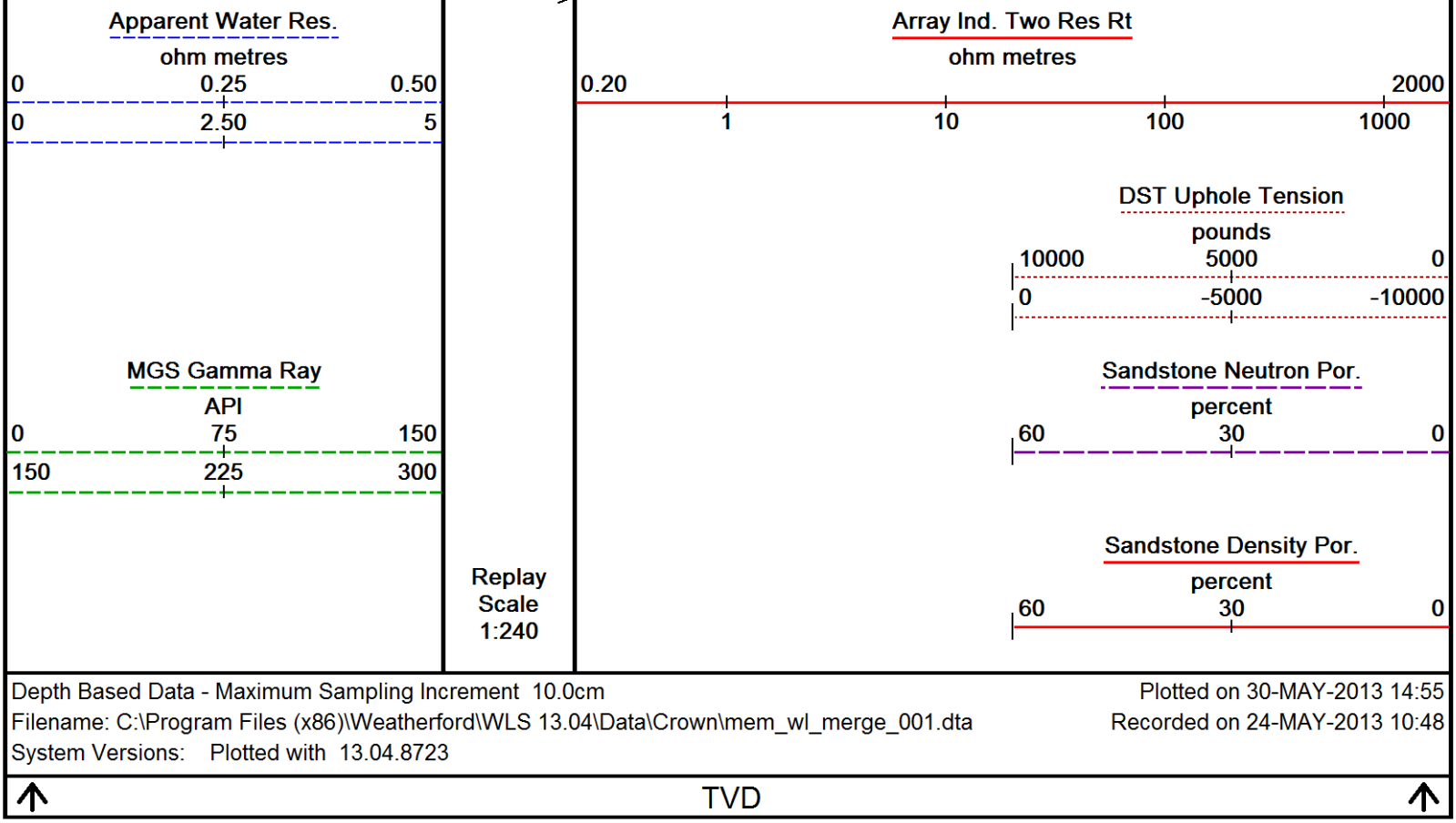

7550
TVD
171°
7600
TVD
172°
7650
TVD
600
172°
7700
TVD
400
172°
7750
TVD


173°
7800
TVD
500
172°
7850
TVD
7900
TVD
300
400
7950
TVD


8000
TVD
300
200
MGS Gamma Ray
Array Ind. Two Res Rt
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
8050
TVD
Apparent Water Res.
Density Correction
Sandstone Density Por.
Sandstone Neutron Por.
Shallow FE
DST Uphole Tension
8100
TVD
200
8150
TVD
8200
TVD


100
8250
TVD
8300
TVD
100
8350
TVD
8400
TVD


8450
TVD
0
0
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
Gamma Ray
API
0
75
150
Differential Caliper
inches
-20
-10
0
10
20
Array Ind. Two res 20
ohm metres
0.20
1
10
100
1000
2000
Borehole
Temp in
deg F
Spontaneous Potential
millivolts
– 20 +
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
HVI
every
10 cu ft
Density Correction
grams/cc
-0.80
-0.30
0.20
Array Ind. Two Res 60
ohm metres
0.20
1
10
100
1000
2000
Array Ind. Two Res 85
ohm metres
0.20
1
10
100
1000
2000
Annular
Integral
every
10 cu ft



BEFORE SURVEY CALIBRATION

C:\Program Files (x86)\Weatherford\WLS 13.04\Data\Crown\mms_008.dta

General Constants All 000 — Last Edited on 29-MAY-2013,12:57

General Parameters		
Mud Resistivity	1.200	ohm-metres
Mud Resistivity Temperature	82.000	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	Density Caliper	
Rwa Parameters		
Porosity used	Base Density Porosity	
Resistivity used	Array Ind. Two Res Rt	
RWA Constant A	0.610	
RWA Constant M	2.150	

Strain Gauge Constants MMS-F.A 217 — Last Edited on

Atmospheric Pressure	14.70	psi
Serial Number	0	
Calibration Date	000000000000	
Base Check Date		
Dead Weight Serial Number	0	
Dead Weight Gravitational Correction	1.0	

Temperature	75.0		150.0		250.0		350.0	degrees F
Pressure psia	Inc.	Dec.	Inc.	Dec.	Inc.	Dec.	Inc.	Dec.
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

8000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10000.0	0.000		0.000		0.000		0.000	

Gamma Calibration MGS-C.J 120

Field Calibration on 29-MAY-2013,11:37

	Measured	Calibrated (API)
Background	79	53
Calibrator (Gross)	1319	879
Calibrator (Net)	1240	826

Gamma Constants MGS-C.J 120

Last Edited on 29-MAY-2013,12:50

Gamma Calibrator Number	GRC_0064	
Mud Density	1.27	gm/cc
Caliper Source for Processing	Bit Size	
Tool Position	Centred	
Concentration of KCl	0.00	kppm

SP Calibration MGS-C.J 120

Field Calibration on 29-MAY-2013,12:50

	Measured	Calibrated (mV)
Reference 1	0.0	0.0
Reference 2	100.0	100.0

High Resolution Temperature Calibration MGS-C.J 120

Field Calibration on 29-MAY-2013,12:50

	Measured	Calibrated(Deg F)
Lower	0.00	0.00
Upper	100.00	100.00

High Resolution Temperature Constants MGS-C.J 120

Last Edited on 29-MAY-2013,12:50

Pre-filter Length	11

Neutron Calibration MDN-B.A 222

Base Calibration on 29-MAY-2013,12:48
Field Check on 29-MAY-2013,12:48

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	2512	78	3714	110
Ratio	32.095		33.764	

Field Calibrator at Base

	Calibrated (cps)	
	2597	3752
Ratio	0.692	

Field Check

	Calibrated (cps)	
	2577	3745
Ratio	0.688	

Neutron Constants MDN-B.A 222

Last Edited on 29-MAY-2013,13:24

Neutron Source Id	po192nn	
Neutron Jig Number	nec 122	
Epithermal Neutron	No	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	inches
Mud Density	1.00	gm/cc
Limestone Sigma	7.10	cu
Sandstone Sigma	7.00	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	None	
Formation Pressure	N/A	kpsi
Temperature Source	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-C.A 333

Base Calibration on 29-MAY-2013,11:52
Field Check on 29-MAY-2013,11:52

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	964.0	126.8
Base Check		281.0
Field Check		281.0

FE Constants MFE-C.A 333

Last Edited on 29-MAY-2013,11:48

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.	MGS External Temperature	
Stand-off	1.0	inches

Induction Calibration MAI-B.A 208

Base Calibration on 29-MAY-2013,11:45
Field Check on 29-MAY-2013,11:47

Base Calibration

Test Loop Calibration

Channel	Measured Low	Measured High	Calibrated (mmho/m) Low	Calibrated (mmho/m) High
1	17.6	479.2	9.3	966.2
2	6.6	392.0	7.6	821.4
3	3.8	264.4	5.2	566.0
4	2.0	134.2	2.6	279.2
Array Temperature		68.9	Deg F	

Channel	Base Check (mmho/m) Low	Base Check (mmho/m) High	Field Check (mmho/m) Low	Field Check (mmho/m) High	
1			13.7	3805.6	
2			29.1	3449.5	
3			27.9	3004.5	
4			19.4	2066.5	
Deep			17.7	2010.7	
Medium			40.1	3917.9	
Shallow			42.5	5028.1	
Array Temperature		0.0		92.5	Deg F

Induction Constants MAI-B.A 208

Last Edited on 29-MAY-2013,11:44

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	0.00	inches
Number of Fins on Stand-off	6.0000	
Stand-off Fin Angle	60.00	degrees
Stand-off Fin Width	0.0000	inches
Borehole Corr. Rm Source	Temperature Corr	
Temp. for Rm Corr.	MGS External Temperature	
Squasher Start	0.0020	mhos/metre
Squasher Offset	N/A	mhos/metre

Borehole Normalisation

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

Calibration Site Corrections

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

Apparent Porosity and Water Saturation Constants		
Archie Constant (A)	1.00	
Cementation Exponent (M)	2.00	
Saturation Exponent (N)	2.00	
Saturation of Water for Apor	100.00	percent
Resistivity of Water for Apor and Sw	0.05	ohm-m
Resistivity of Mud Filtrate for Sw	0.00	ohm-m
Source for Rt	0.00	
Source for Rxo	0.00	

High Resolution Temperature Calibration MAI-B.A 208

Field Calibration on 29-MAY-2013,11:48

	Measured	Calibrated(Deg F)
Lower	0.00	0.00
Upper	100.00	100.00

High Resolution Temperature Constants MAI-B.A 208

Last Edited on 29-MAY-2013,11:47

Pre-filter Length	11

Photo Density Calibration MPD-C.A 212

Base Calibration on 29-MAY-2013,12:44
Field Check on 29-MAY-2013,12:45

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	42685	21520	59639	30772
Reference 2	17706	2061	25018	2537
Field Check at Base	1086.4	1098.2		
Field Check	1085.5	1094.8		

PE Calibration

Base Calibration	Measured			Calibrated
	WS	WH	Ratio	Ratio
Background	195	975		
Reference 1	15964	42531	0.379	0.369
Reference 2	4730	17594	0.273	0.271
Field Check at Base	195.4	974.6		
Field Check	195.9	976.2		

Density Constants MPD-C.A 212

Last Edited on 29-MAY-2013,12:51

Density Source Id	000	
Nylon Calibrator Number	000	
Aluminium Calibrator Number	000	
Density Shoe Profile	4 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.27	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)
2.71	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	

Caliper Calibration MPD-C.A 212

Base Calibration on 29-MAY-2013,12:38
Field Calibration on 29-MAY-2013,12:39

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	13080	3.99
2	22448	5.96
3	32560	7.99
4	42112	9.85
5	53440	11.93
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
9.86	9.85

DOWNHOLE EQUIPMENT

C:\Program Files (x86)\Weatherford\WLS 13.04\Data\Crown\uplog.dta

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

11C-11B MTA-K.A Compact Tool Adaptor
MTA-K.A 109 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-D.A 241 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

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

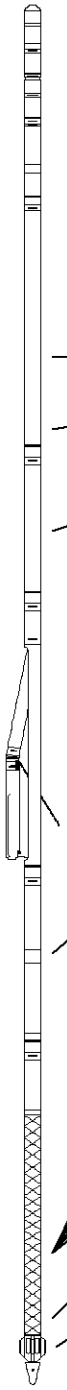
Compact Density/Caliper
MPD-B 154 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

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



34.90 ft	GRGC - Gamma Ray
32.00 ft	CGXT - MCG External Temperature
28.45 ft	NPRS - Sandstone Neutron Por.
21.21 ft	AVOL - Annular Volume
21.21 ft	HVOL - Hole Volume
21.21 ft	DFCL - Differential Caliper
19.28 ft	DPRS - Sandstone Density Por.
19.28 ft	DCOR - Density Correction
13.72 ft	FEFE - Shallow FE
3.34 ft	R20T - Array Ind. Two Res 20
3.34 ft	R40T - Array Ind. Two Res 40
3.34 ft	R30T - Array Ind. Two Res 30
3.34 ft	RTAT - Array Ind. Two Res Rt
3.34 ft	R85T - Array Ind. Two Res 85
3.34 ft	R60T - Array Ind. Two Res 60
0.23 ft	SPCG - Spontaneous Potential
Tool Zero	(0.91ft from bottom)
-0.91 ft	SMTU - DST Uphole Tension

All measurements relative to tool zero.

DOWNHOLE EQUIPMENT

C:\Program Files (x86)\Weatherford\WLS 13.04\Data\Crown\mms_008.dta

Drop-off Running Tool
DRT-B.A 108 LG: 9.42 ft WT: 66.1 lb OD: 2.60 in

SHA-J.B Compact Swivel Head Adaptor
SHA-J.B 583 LG: 2.30 ft WT: 22.0 lb OD: 2.24 in

SKJ-E.B Compact Knuckle Joint
SKJ-E.B 579 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

MBS-F.A 200v Compact Battery Sub
MBS-F.A 128 LG: 10.61 ft WT: 70.5 lb OD: 2.24 in

Compact Memory Sub F.A
MMS-F.A 217 LG: 5.20 ft WT: 37.5 lb OD: 2.24 in

Compact Tool Isolator sub.
MTI-B.A 48 LG: 1.54 ft WT: 13.2 lb OD: 2.24 in

Compact Short Gamma
MGS-C.J 120 LG: 3.41 ft WT: 24.3 lb OD: 2.24 in

Compact Collar Locator
MCL-B.J 71 LG: 3.17 ft WT: 26.5 lb OD: 2.24 in

SKJ-E.B Compact Knuckle Joint
SKJ-E.B 582 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

SHA-J.B Compact Swivel Head Adaptor
SHA-J.B 522 LG: 2.30 ft WT: 22.0 lb OD: 2.24 in

MIS-D.A Compact Inline Bowspring sub
MIS-D.A 316 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in

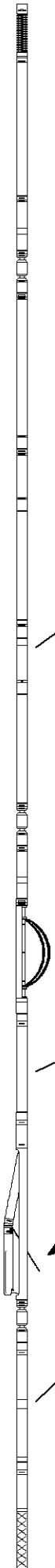
Compact Neutron
MDN-B.A 222 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

Compact Density/Caliper
MPD-C.A 212 LG: 9.59 ft WT: 90.4 lb OD: 2.24 in

SKJ-D.A Compact Knuckle Joint
SKJ-D.A 144 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

Compact Focussed Electric
MFE-C.A 333 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

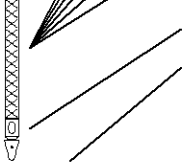
Compact Induction
MAI-B.A 208 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in



49.48 ft	GRGM - MGS Gamma Ray
30.61 ft	NPRS - Sandstone Neutron Por.
23.37 ft	AVOL - Annular Volume
23.37 ft	HVOL - Hole Volume
23.37 ft	DFCL - Differential Caliper
21.44 ft	DPRS - Sandstone Density Por.
21.44 ft	DCOR - Density Correction
13.91 ft	FEFE - Shallow FE
3.34 ft	R20T - Array Ind. Two Res 20
3.34 ft	R40T - Array Ind. Two Res 40
3.34 ft	R30T - Array Ind. Two Res 30
3.34 ft	RTAT - Array Ind. Two Res Rt
3.34 ft	R85T - Array Ind. Two Res 85
3.34 ft	R60T - Array Ind. Two Res 60

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

Total Length: 82.41 ft Weight: 628.3 lb



Tool Zero (0.91ft from bottom)
-0.91 ft SMTU - DST Uphole Tension
All measurements relative to tool zero.

COMPANY	SMITH PRODUCTION COMPANY
WELL	ALLAIN LAND COMPANY LLC #1 STK #1
FIELD	JEANERETTE
PROVINCE/COUNTY	ST. MARY
COUNTRY/STATE	U.S.A./LOUISIANA

Elevation Kelly Bushing	26.00	feet	First Reading		feet
Elevation Drill Floor	25.00	feet	Depth Driller	9173.00	feet
Elevation Ground Level	8.00	feet	Depth Logger	9173.00	feet

Weatherford®

TVD LOG