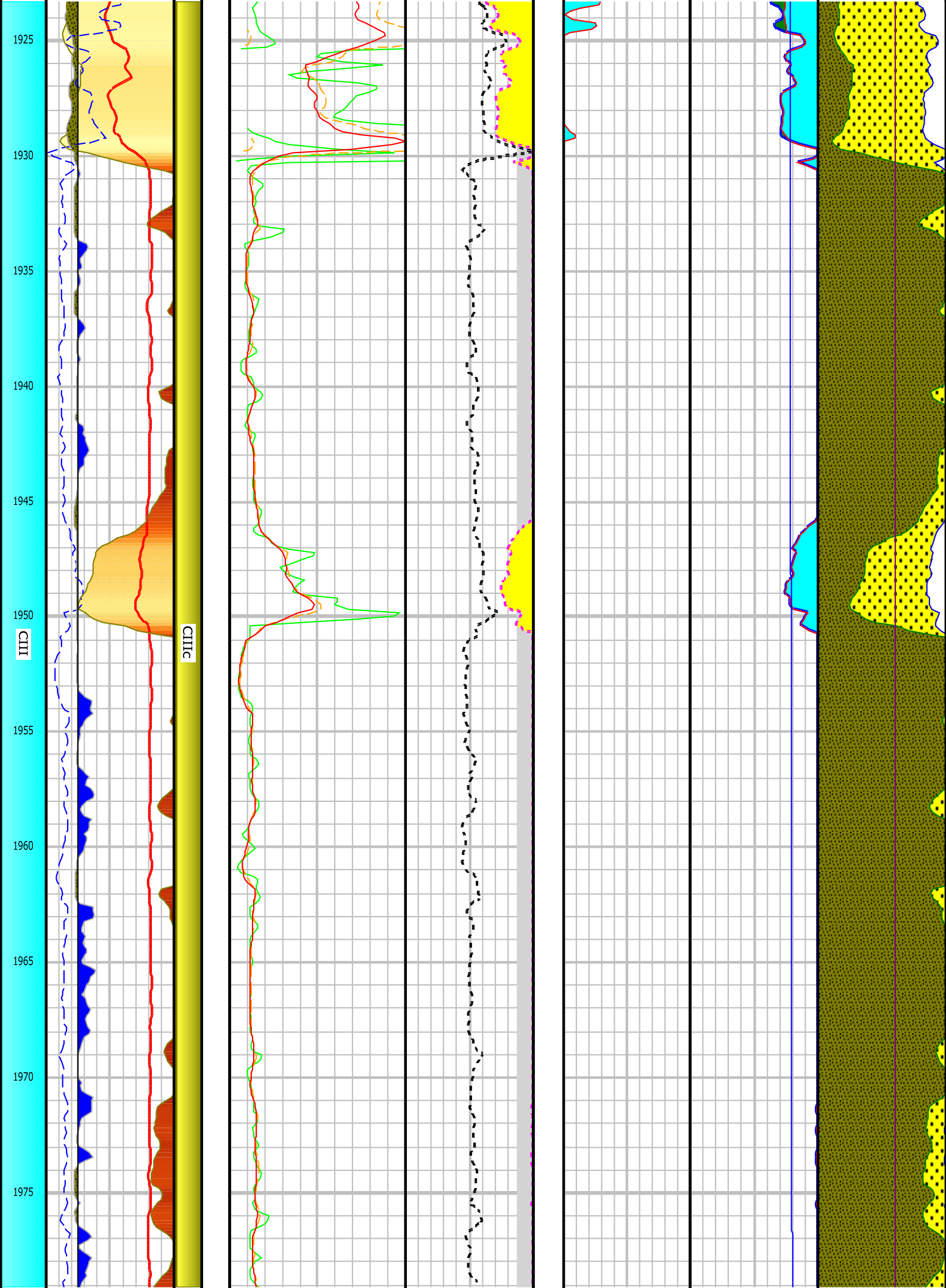
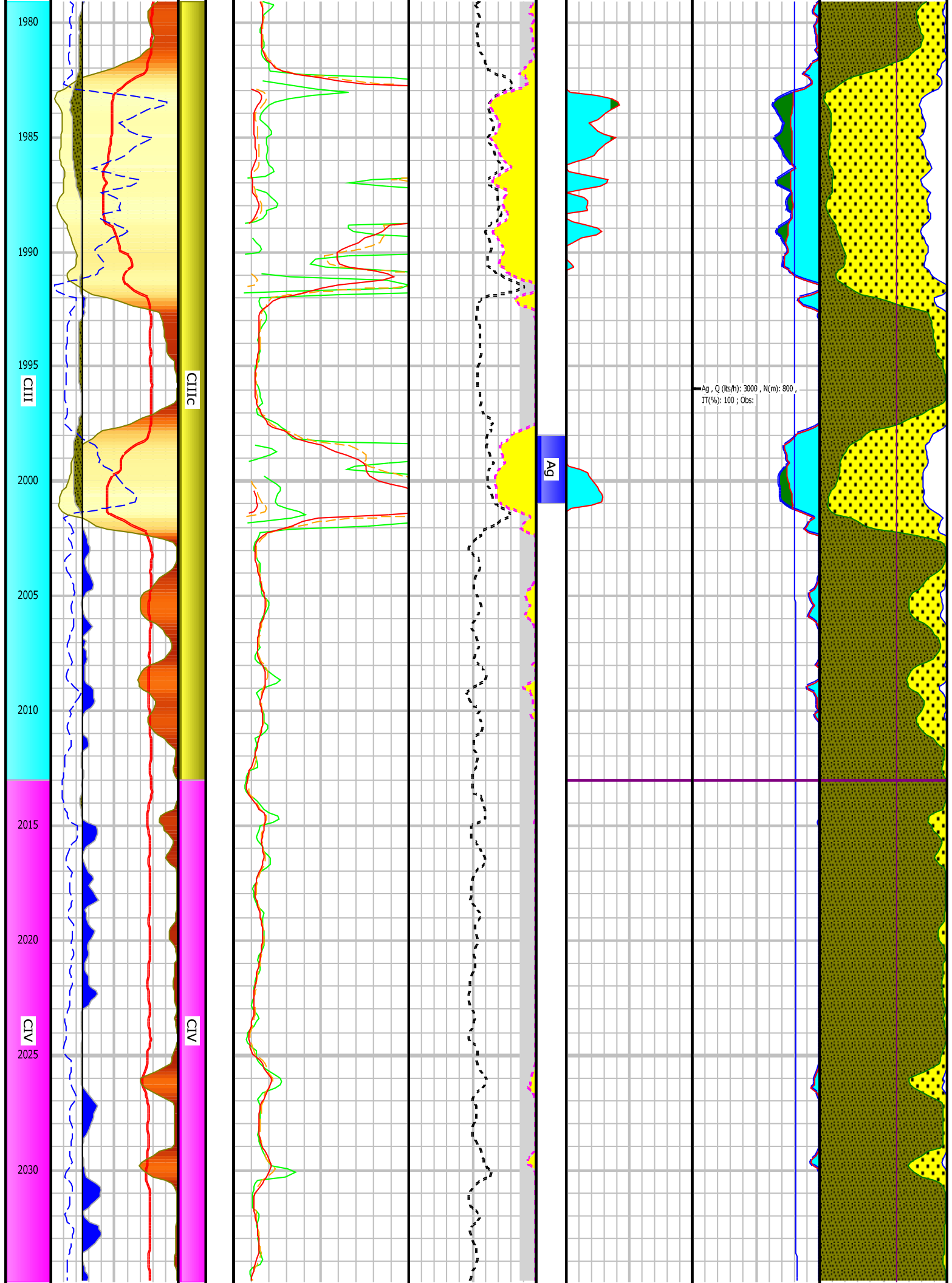
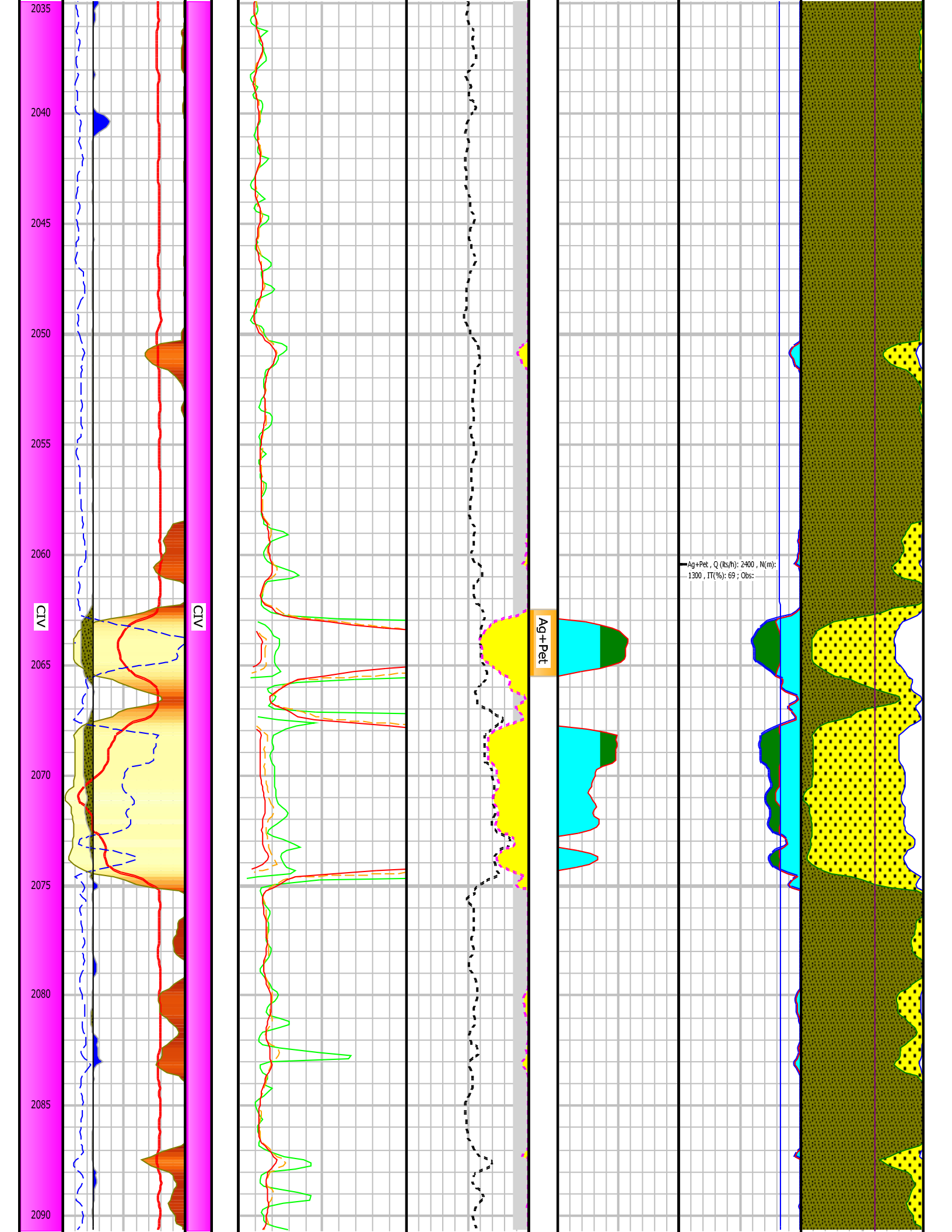


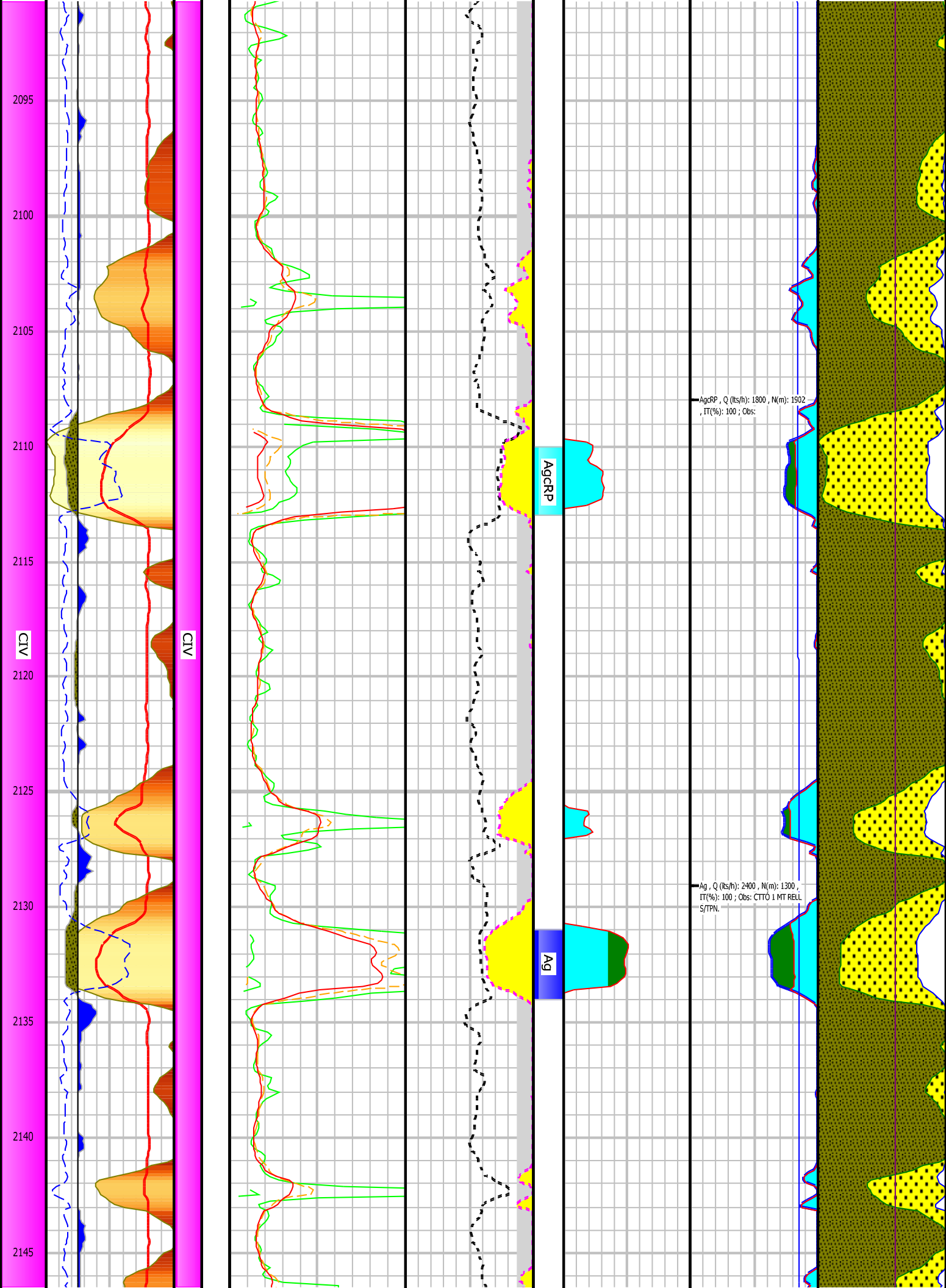
AgCRP, Q (lts/h): 2400, N(m): 1200, IT(%): 100; Obs: Ens. en Cjto

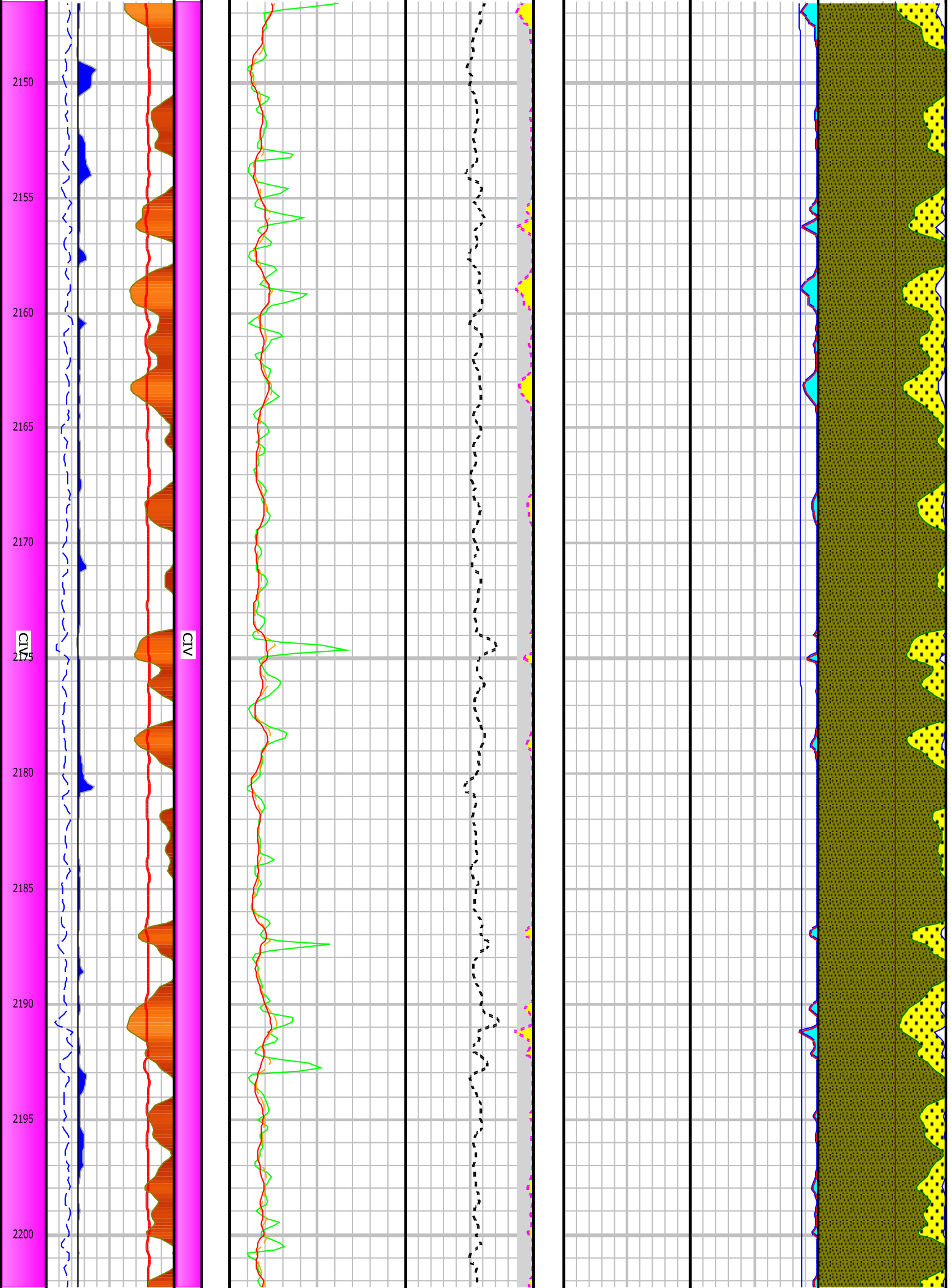
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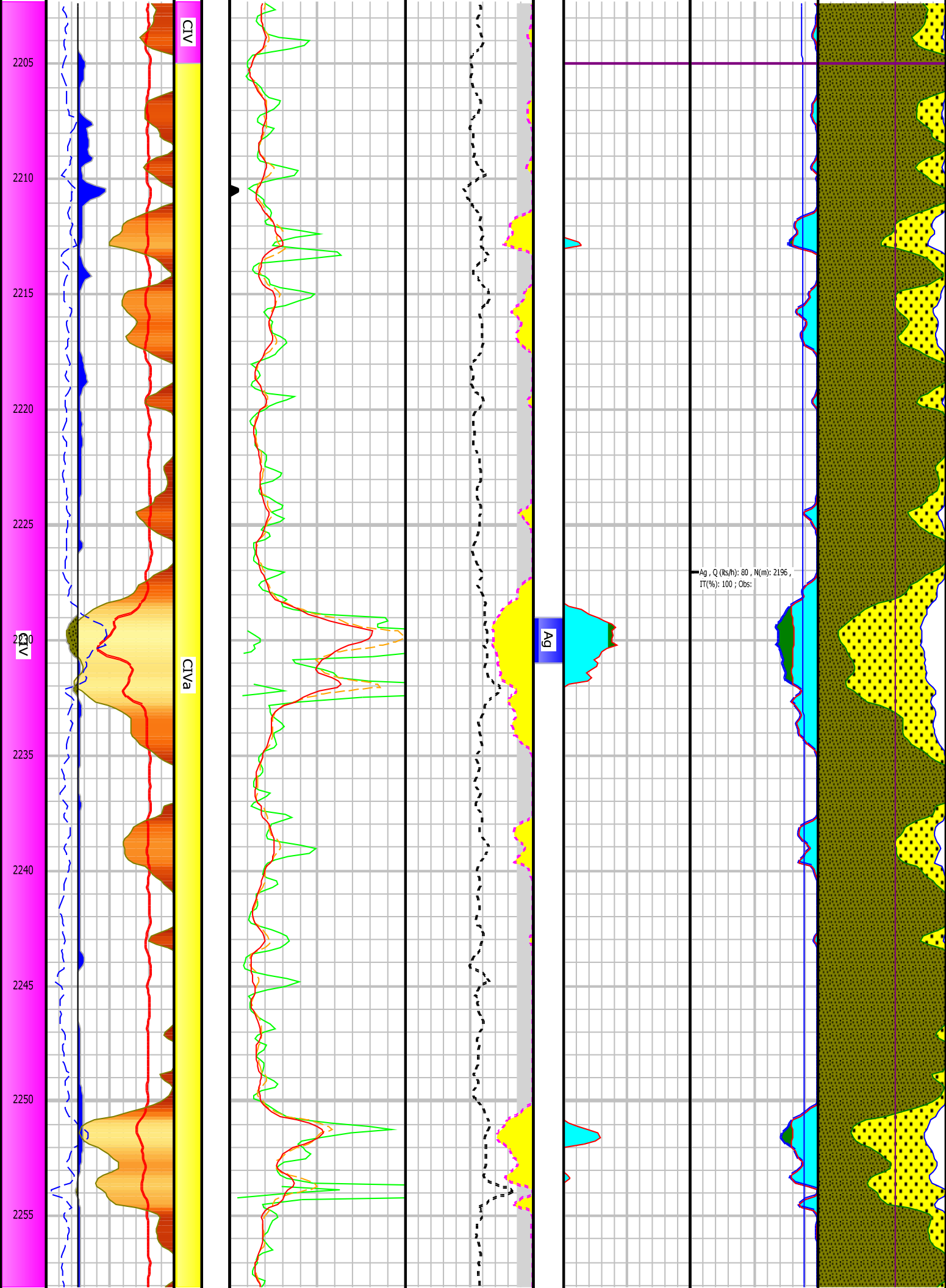


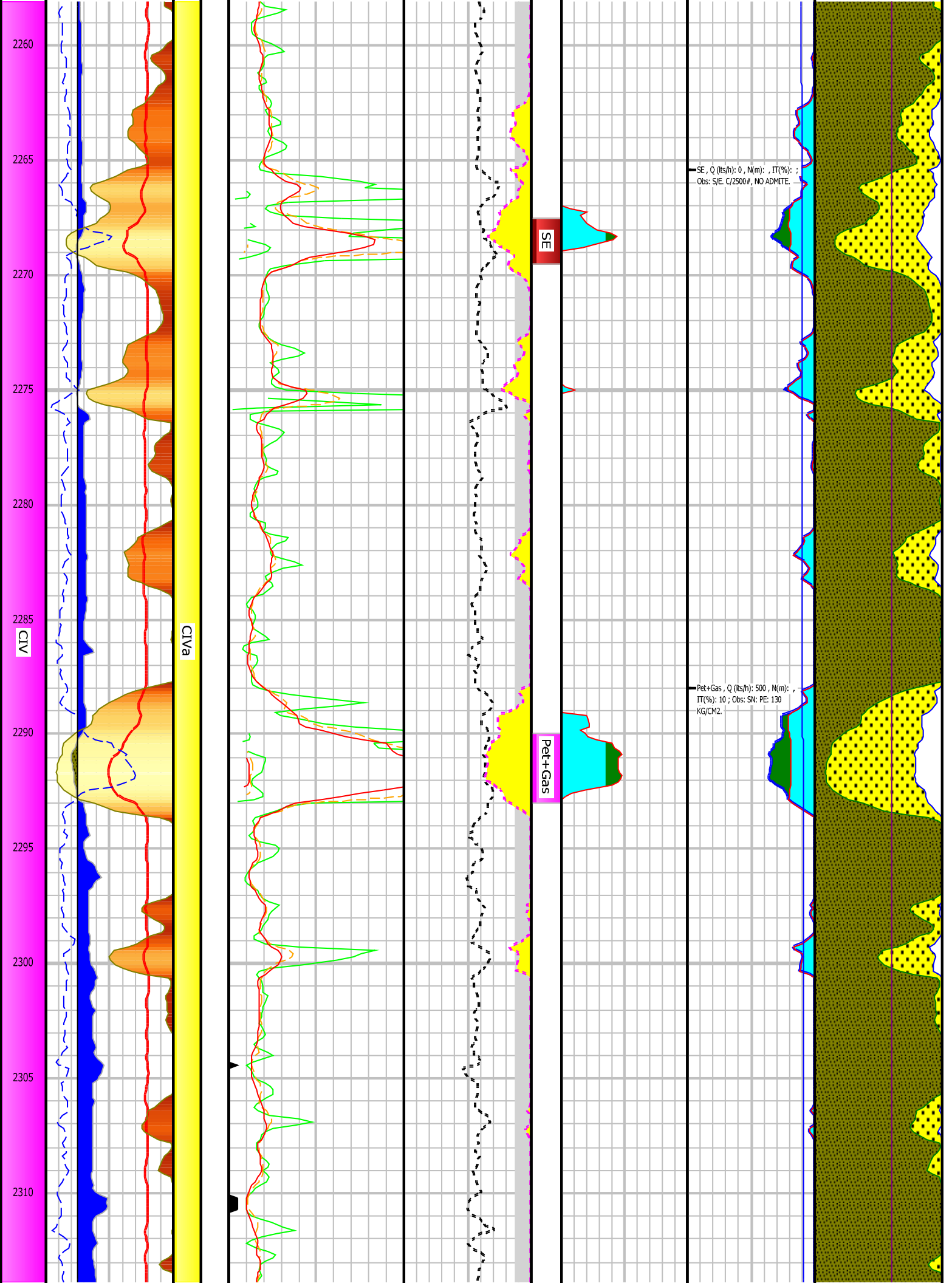


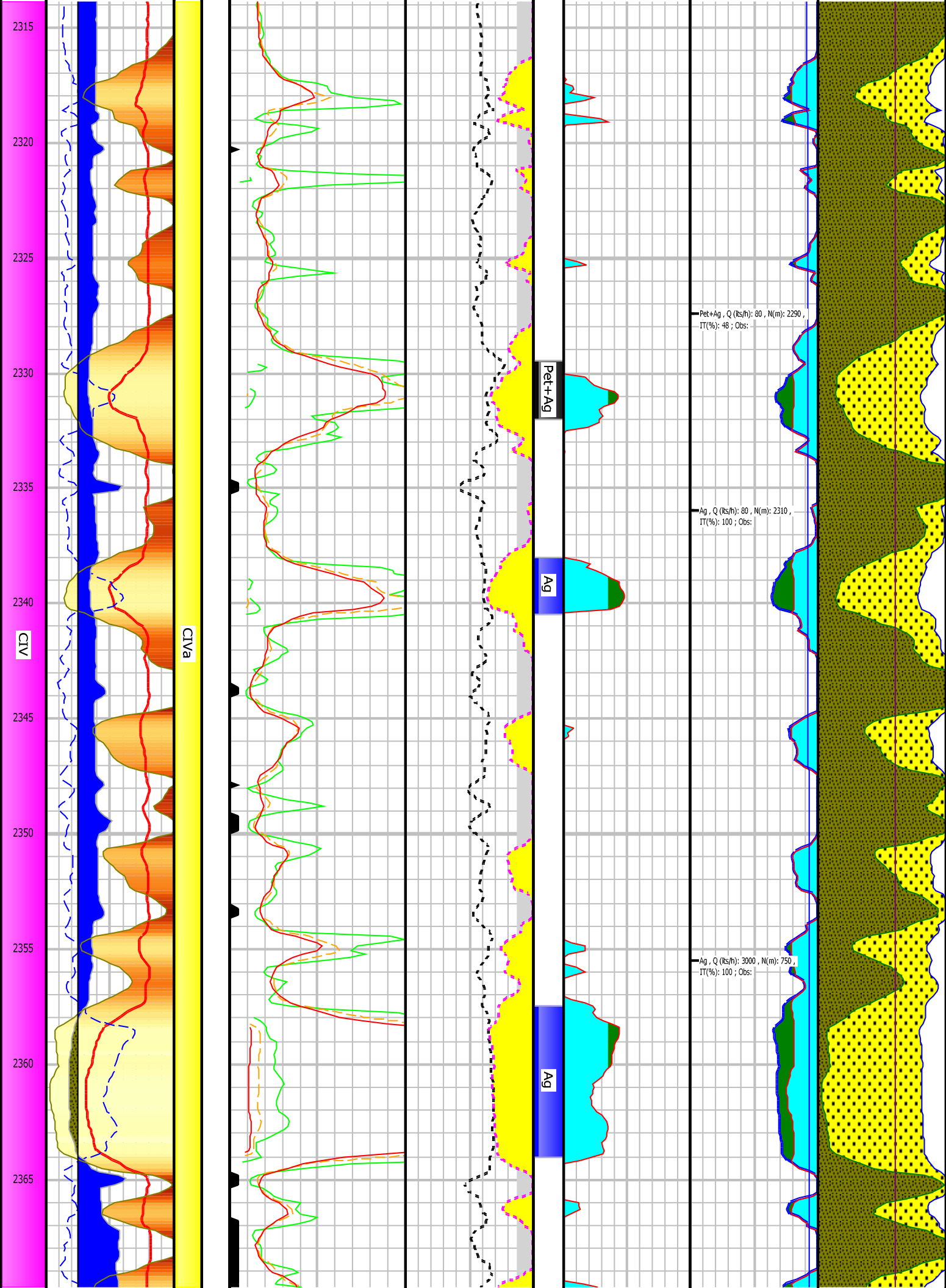


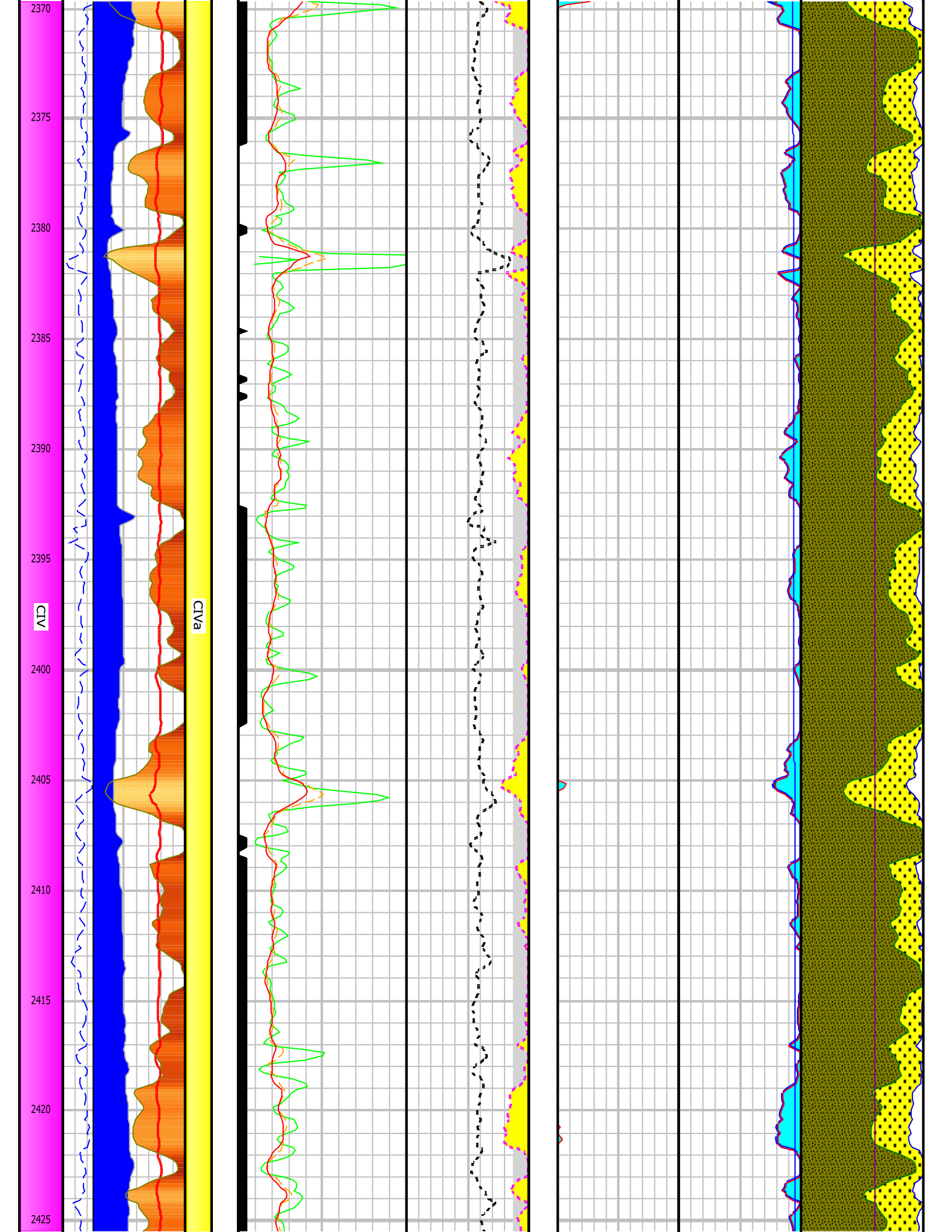


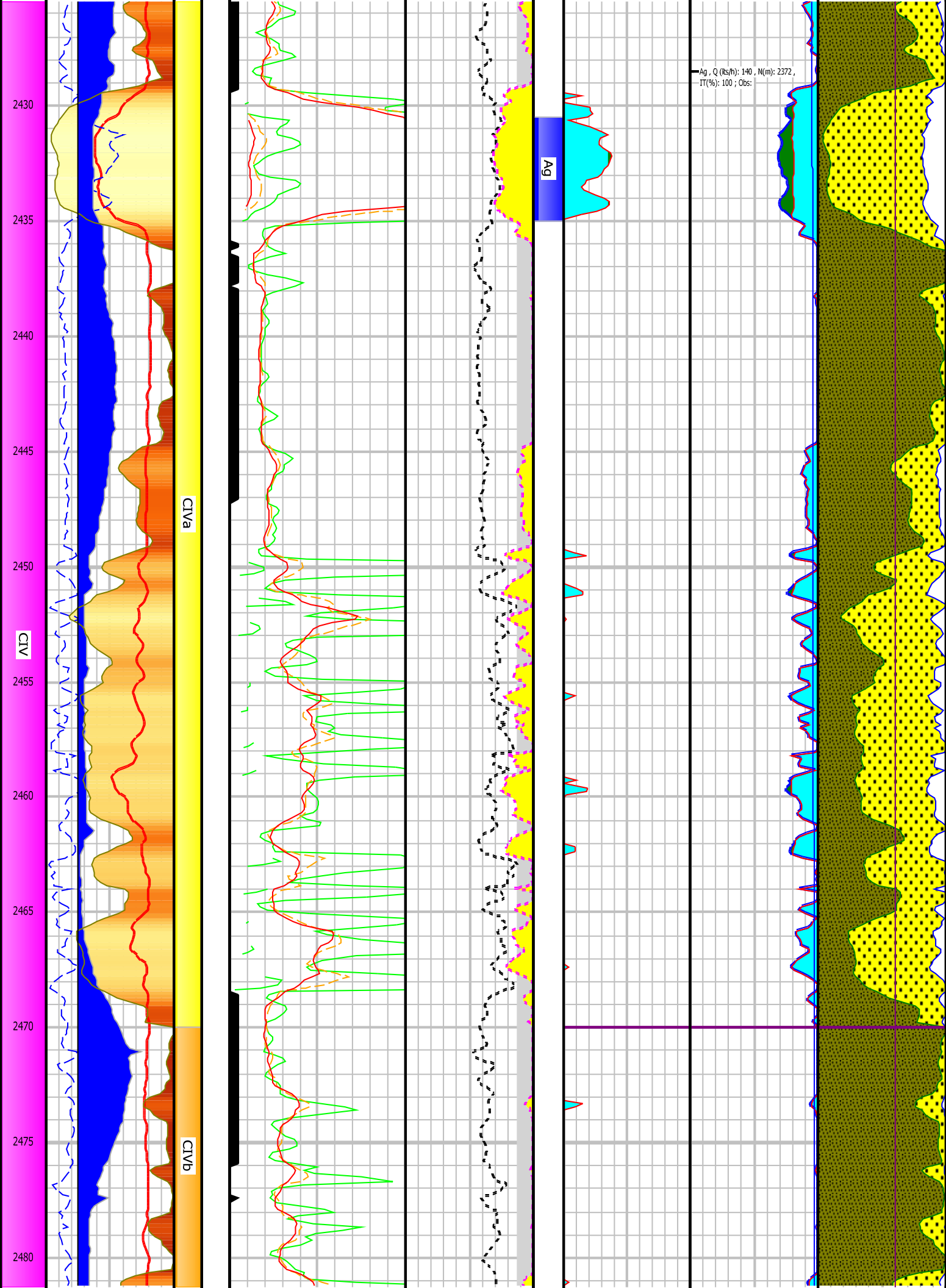


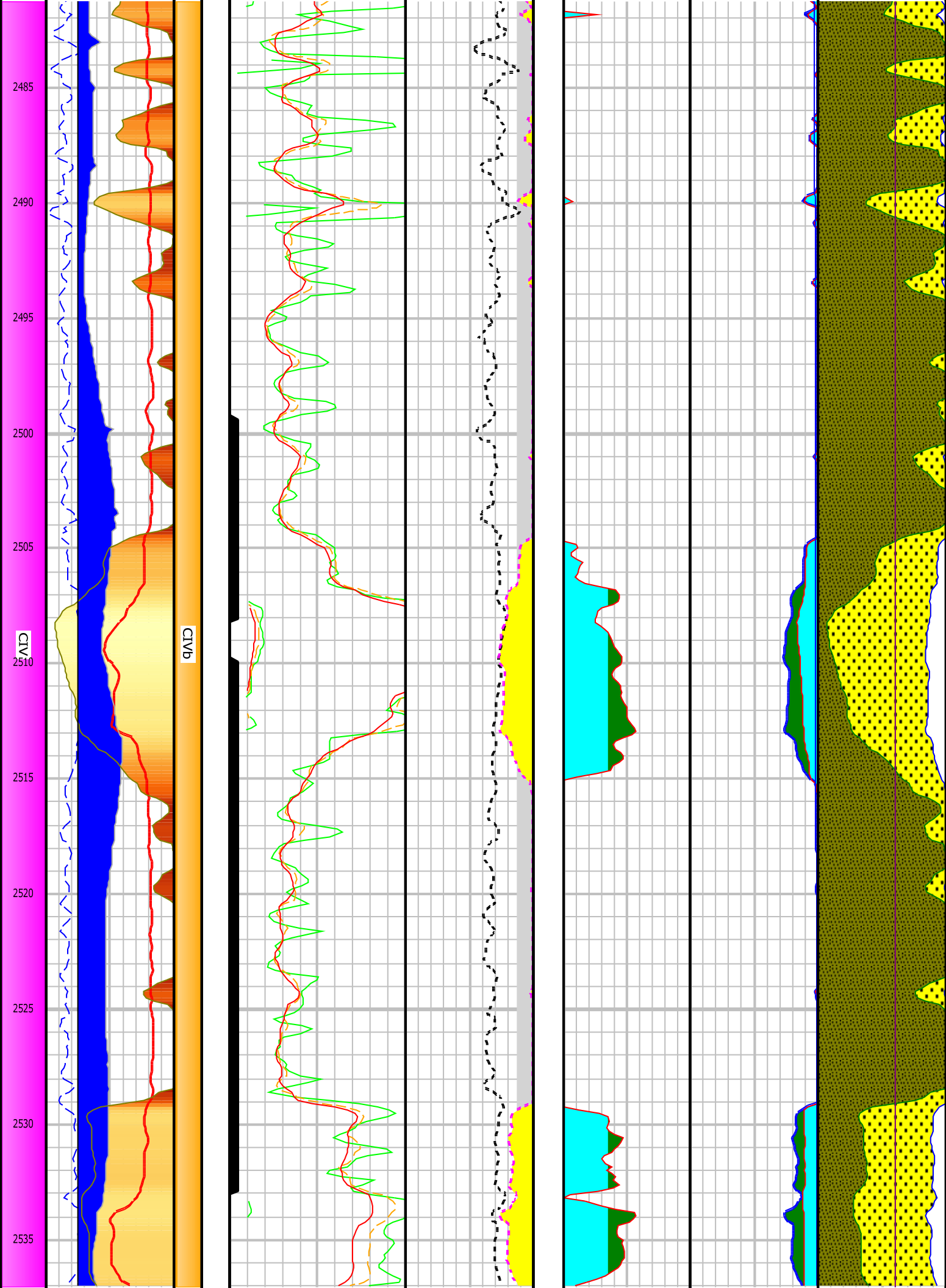


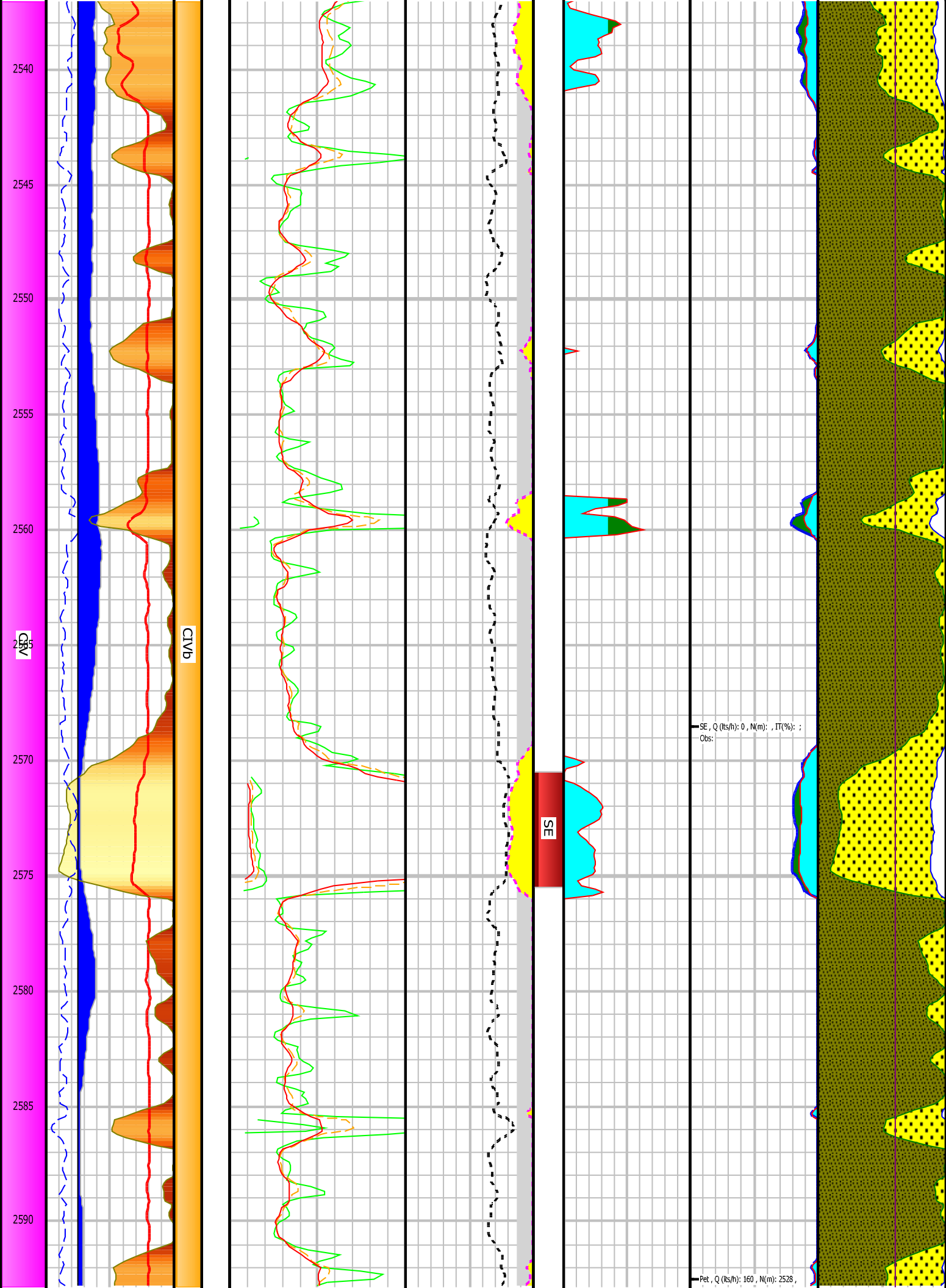


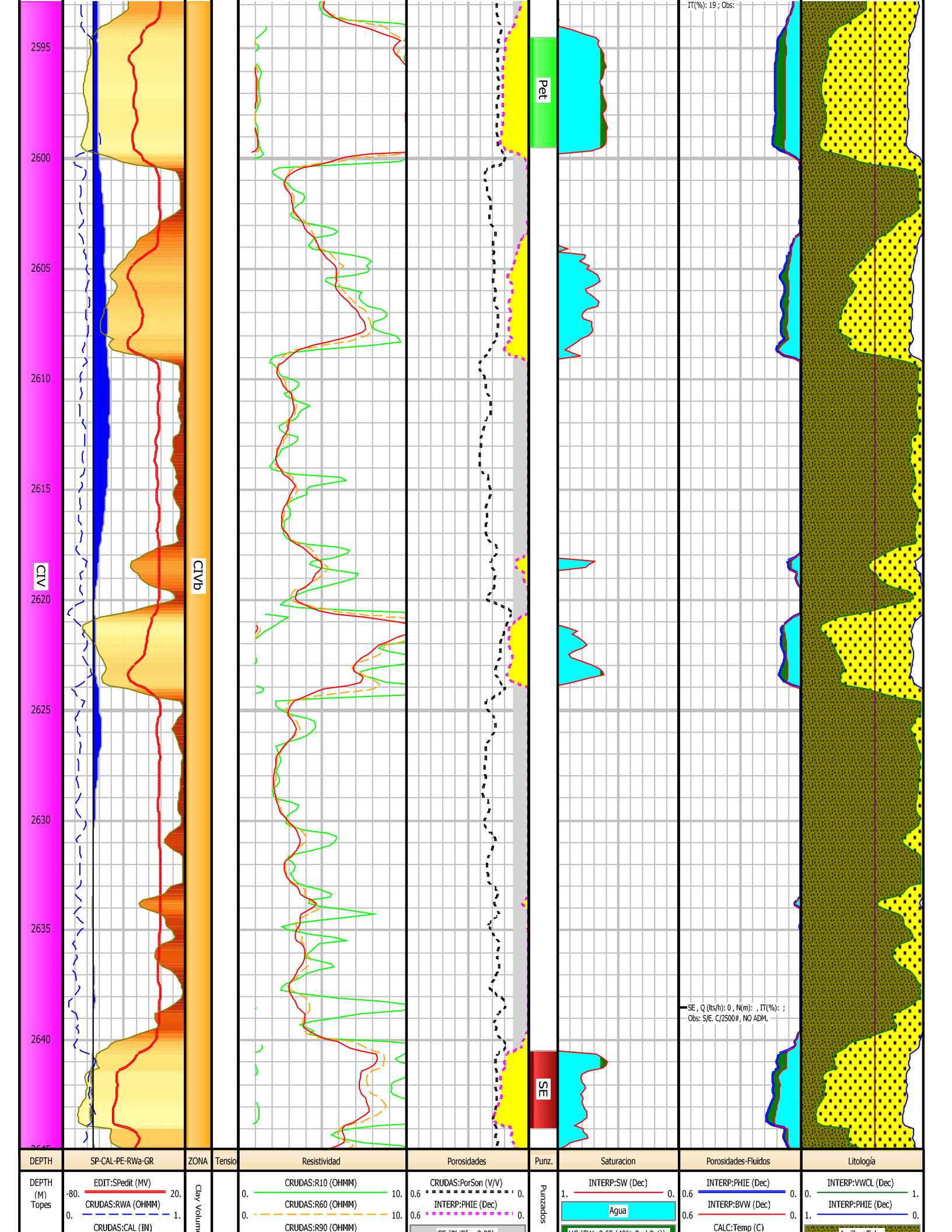




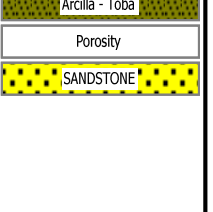
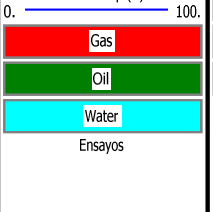
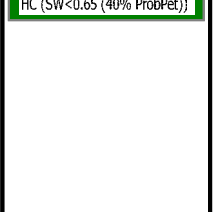
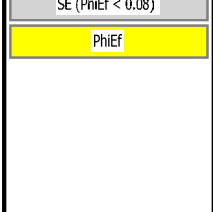
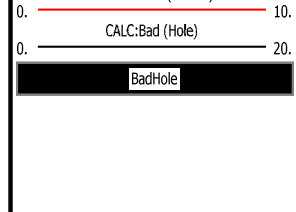
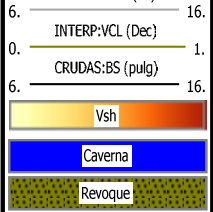








DEPTH	SP-CAL-PE-RWa-GR	ZONA	Tensio	Resistividad	Porosidades	Punz.	Saturacion	Porosidades-Fluidos	Litología
DEPTH (M) Topes	EDIT:SPedit (MV) 20. CRUDAS:RWA (OHMM) 1. CRUDAS:CAL (IN)	Clay Volum		CRUDAS:R10 (OHMM) 10. CRUDAS:R60 (OHMM) 10. CRUDAS:R90 (OHMM)	CRUDAS:PorSon (V/V) 0.6 INTERP:PHIE (Dec) 0.6	Punzados	INTERP:SW (Dec) 1. Agua	INTERP:PHIE (Dec) 0.6 INTERP:BVW (Dec) 0.6 CALC:Temp (C)	INTERP:VWCL (Dec) 1. INTERP:PHIE (Dec) 0.



Petrophysical Zone Averages Report

Well : YPF.Ch.APC-406

Date : 11/11/2014 16:42:50

Reservoir Summary

Zn Sw #	Zone Name Av Vcl	Top Phi*H	Bottom PhiSo*H	Gross	Net	N/G	Av Phi	Av
							Ari	
1	Ag 0.714	1671.50 0.100	1673.50 0.33 0.09	2.00	1.74	0.872	0.190	
2	Ag 0.750	1675.50 0.125	1678.00 0.47 0.12	2.50	2.50	1.000	0.190	
3	AgcRP 0.670	1870.00 0.146	1872.00 0.40 0.13	2.00	1.97		0.985 0.203	
4	AgcRP 0.766	1873.50 0.117	1876.00 0.46 0.11	2.50	2.50		1.000 0.185	
5	Ag 0.869	1998.00 0.164	2001.00 0.50 0.07	3.00	3.00	1.000	0.168	
6	Ag+Pet 0.539	2062.50 0.151	2065.50 0.54 0.25	3.00	2.69		0.895 0.199	
7	AgcRP 0.751	2110.00 0.072	2113.00 0.41 0.10	3.00	2.95		0.985 0.138	
8	Ag 0.558	2131.00 0.200	2134.00 0.58 0.25	3.00	2.83	0.944	0.203	
9	Ag 0.651	2229.00 0.211	2231.00 0.36 0.12	2.00	2.00	1.000	0.179	
10	SE 0.763	2267.50 0.245	2269.50 0.27 0.06	2.00	1.86	0.930	0.145	
11	Pet+Gas 0.632	2290.00 0.140	2293.00 0.54 0.20	3.00	3.00		1.000 0.181	
12	Pet+Ag 0.718	2329.50 0.171	2332.00 0.36 0.10	2.50	2.35		0.939 0.155	

13	Ag 0.624	2338.00 0.212	2340.50 0.43 0.16	2.50	2.30	0.919	0.186	
14	Ag 0.677	2357.50 0.089	2364.00 1.18 0.38	6.50	6.50	1.000	0.182	
15	Ag 0.729	2430.50 0.100	2435.00 0.72 0.20	4.50	4.50	1.000	0.160	
16	SE 0.792	2570.50 0.169	2575.50 0.50 0.10	5.00	4.84	0.967	0.103	
17	Pet 0.621	2594.50 0.193	2599.50 0.62 0.24	5.00	5.00	1.000	0.124	
18	SE 0.761	2640.50 0.200	2644.00 0.47 0.11	3.50	3.50	1.000	0.134	
	All Zones 0.693	1671.50 0.151	2644.00 9.14 2.80	57.50	56.03	0.974	0.163	

Pay Summary

Zn Sw #	Zone Name Av Vcl	Top Phi*H	Bottom PhiSo*H	Gross	Net	N/G Ari	Av Phi	Av
1	Ag 0.621	1671.50 0.080	1673.50 0.10 0.04	2.00	0.46	0.229	0.226	
2	Ag 0.623	1675.50 0.106	1678.00 0.14 0.05	2.50	0.61	0.244	0.235	
3	AgcRP 0.565	1870.00 0.115	1872.00 0.19 0.08	2.00	0.76		0.381	0.247
4	AgcRP 0.616	1873.50 0.086	1876.00 0.13 0.05	2.50	0.61		0.244	0.215
5	Ag ---	1998.00 ---	2001.00 ---	3.00	0.00	0.000	---	---
6	Ag+Pet 0.474	2062.50 0.113	2065.50 0.43 0.23	3.00	1.98		0.660	0.218
7	AgcRP ---	2110.00 ---	2113.00 ---	3.00	0.00		0.000	---

8	Ag 0.530	2131.00 0.185	2134.00 0.54 0.25	3.00	2.53	0.843	0.213		
9	Ag 0.607	2229.00 0.180	2231.00 0.20 0.08	2.00	1.07	0.533	0.188		
10	SE 0.588	2267.50 0.174	2269.50 0.09 0.04	2.00	0.46	0.229	0.193		
11	Pet+Gas 0.552	2290.00 0.105	2293.00 0.40 0.18	3.00	1.98	0.660	0.203		
12	Pet+Ag 0.586	2329.50 0.145	2332.00 0.12 0.05	2.50	0.61	0.244	0.192		
13	Ag 0.557	2338.00 0.165	2340.50 0.31 0.14	2.50	1.52	0.610	0.203		
14	Ag 0.601	2357.50 0.084	2364.00 0.43 0.17	6.50	2.29	0.352	0.190		
15	Ag 0.636	2430.50 0.087	2435.00 0.22 0.08	4.50	1.22	0.271	0.180		
16	SE ---	2570.50 ---	2575.50 ---	5.00	0.00	0.000	---	---	---
17	Pet 0.616	2594.50 0.189	2599.50 0.56 0.22	5.00	4.50	0.901	0.125		
18	SE 0.609	2640.50 0.279	2644.00 0.07 0.03	3.50	0.61	0.174	0.114		
	All Zones 0.573	1671.50 0.145	2644.00 3.94 1.68	57.50	21.21	0.369	0.186		

Cutoffs Used

Zn #	Zone Name	Top	Bottom	Min. Phi	Sw	Vcl
		Height	INTERP:PHIE	INTERP:SW	INTERP:VCL	
Reservoir						
1	Ag	1671.50	1673.50	0	>= 0.06	<= 0.4
2	Ag	1675.50	1678.00	0	>= 0.06	<= 0.4
3	AgcRP	1870.00	1872.00	0	>= 0.06	<=
0.4						

4	AgcRP	1873.50	1876.00	0	>= 0.06		<=
0.4							
5	Ag	1998.00	2001.00	0	>= 0.06		<= 0.4
6	Ag+Pet	2062.50	2065.50	0	>= 0.06		<=
0.4							
7	AgcRP	2110.00	2113.00	0	>= 0.06		<=
0.4							
8	Ag	2131.00	2134.00	0	>= 0.06		<= 0.4
9	Ag	2229.00	2231.00	0	>= 0.06		<= 0.4
10	SE	2267.50	2269.50	0	>= 0.06		<= 0.4
11	Pet+Gas	2290.00	2293.00	0	>= 0.06		<=
0.4							
12	Pet+Ag	2329.50	2332.00	0	>= 0.06		<=
0.4							
13	Ag	2338.00	2340.50	0	>= 0.06		<= 0.4
14	Ag	2357.50	2364.00	0	>= 0.06		<= 0.4
15	Ag	2430.50	2435.00	0	>= 0.06		<= 0.4
16	SE	2570.50	2575.50	0	>= 0.06		<= 0.4
17	Pet	2594.50	2599.50	0	>= 0.06		<= 0.4
18	SE	2640.50	2644.00	0	>= 0.06		<= 0.4
Pay							
1	Ag	1671.50	1673.50	0	>= 0.06	<= 0.65	<= 0.4
2	Ag	1675.50	1678.00	0	>= 0.06	<= 0.65	<= 0.4
3	AgcRP	1870.00	1872.00	0	>= 0.06	<= 0.65	<=
0.4							
4	AgcRP	1873.50	1876.00	0	>= 0.06	<= 0.65	<=
0.4							
5	Ag	1998.00	2001.00	0	>= 0.06	<= 0.65	<= 0.4
6	Ag+Pet	2062.50	2065.50	0	>= 0.06	<= 0.65	<=
0.4							
7	AgcRP	2110.00	2113.00	0	>= 0.06	<= 0.65	<=
0.4							
8	Ag	2131.00	2134.00	0	>= 0.06	<= 0.65	<= 0.4

9	Ag	2229.00	2231.00	0	>= 0.06	<= 0.65	<= 0.4
10	SE	2267.50	2269.50	0	>= 0.06	<= 0.65	<= 0.4
11 0.4	Pet+Gas	2290.00	2293.00	0	>= 0.06	<= 0.65	<=
12 0.4	Pet+Ag	2329.50	2332.00	0	>= 0.06	<= 0.65	<=
13	Ag	2338.00	2340.50	0	>= 0.06	<= 0.65	<= 0.4
14	Ag	2357.50	2364.00	0	>= 0.06	<= 0.65	<= 0.4
15	Ag	2430.50	2435.00	0	>= 0.06	<= 0.65	<= 0.4
16	SE	2570.50	2575.50	0	>= 0.06	<= 0.65	<= 0.4
17	Pet	2594.50	2599.50	0	>= 0.06	<= 0.65	<= 0.4
18	SE	2640.50	2644.00	0	>= 0.06	<= 0.65	<= 0.4

Depth Units : m

POROSITY WATER SATURATION PARAMETERS

Well : YPF.Ch.APC-406

Date : 11/11/2014 16:37:40

Input Curves

Sonic : CRUDAS:DT Clay Volume : INTERP:VCL
Rt : CRUDAS:R90 Temperature : CALC:Temp

Output Curves

Phi Total : INTERP:PHIT Phi effective : INTERP:PHIE
Sw : INTERP:SW Sw unlimited : INTERP:SWU
Sw total : INTERP:SWT Sw total unlim : INTERP:SWTU
Sxo : INTERP:SXO Sxo unlimited : INTERP:SXOU
Sxo total : INTERP:SXOT Sxo total unlim : INTERP:SXOTU
Bulk vol water : INTERP:BVW Bulk vol flushed : INTERP:BVWSXO
Wet clay volume : INTERP:VWCL Dry Clay volume : INTERP:VDCL
Bound water sat : INTERP:SWB Volume silt : INTERP:VSILT
Logic flag : INTERP:PHIFLAG Sonic matrix : INTERP:DTMA
Hydrocarbon den : INTERP:RHOHY Kill Anal. Flag : INTERP:KillFlag

Zone number 1 CII Top : 1184.00 Bottom : 1304.00

Rw : 0.28 Rw Temp : CALC:Temp Rmf : 5.46
Rmf Temp : 8.3 Rw bound : 0.071 Rwb Temp : CALC:Temp
Rmf bound : 0.071 Rmfb Temp : CALC:Temp Rho Sxo zone :
Rho Wet Clay : 2.189 Rho Dry Clay : 2.4 Sonic Wet Clay : 137
Sonic Hc : 220 Sonic matrix : 56 Sonic Equ : Wyllie
Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic
OBM ? : No Phi max : 0.3 Delta Phi max : 0.15
m vari with Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water

a factor : 1 m exponent : 1.7 n exponent : 1.91
Invasion factor : 2 Sxo Method : Inv Fac m source : Param
n source : Param Coal Logic : No Salt Logic : No
PhiT Clay : Phie Sw Limit : 0 Phie Limit : 0
Vcl Limit : 1 Kill Logic : No Swi Limit : 0
Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 2 CIIa Top : 1304.00 Bottom : 1416.00

Rw : 0.275 Rw Temp : CALC:Temp Rmf : 5.46
Rmf Temp : 8.3 Rw bound : 0.069 Rwb Temp : CALC:Temp
Rmf bound : 0.069 Rmfb Temp : CALC:Temp Rho Sxo zone :
Rho Wet Clay : 2.247 Rho Dry Clay : 2.42 Sonic Wet Clay : 137
Sonic Hc : 220 Sonic matrix : 56 Sonic Equ : Wyllie
Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic
OBM ? : No Phi max : 0.3 Delta Phi max : 0.15
m vari with Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
a factor : 1 m exponent : 1.7 n exponent : 1.91
Invasion factor : 2 Sxo Method : Inv Fac m source : Param
n source : Param Coal Logic : No Salt Logic : No
PhiT Clay : Phie Sw Limit : 0 Phie Limit : 0
Vcl Limit : 1 Kill Logic : No Swi Limit : 0
Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 3 CIII Top : 1416.00 Bottom : 1530.00

Rw : 0.291 Rw Temp : CALC:Temp Rmf : 5.46
Rmf Temp : 8.3 Rw bound : 0.063 Rwb Temp : CALC:Temp
Rmf bound : 0.063 Rmfb Temp : CALC:Temp Rho Sxo zone :
Rho Wet Clay : 2.282 Rho Dry Clay : 2.44 Sonic Wet Clay : 124
Sonic Hc : 220 Sonic matrix : 55 Sonic Equ : Wyllie
Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic

OBM? : No Phi max : 0.3 Delta Phi max : 0.15
m vari wth Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
a factor : 1 m exponent : 1.95 n exponent : 1.9
Invasion factor : 2 Sxo Method : Inv Fac m source : Param
n source : Param Coal Logic : No Salt Logic : No
PhiT Clay : Phi Sw Limit : 0 Phi Limit : 0
Vcl Limit : 1 Kill Logic : No Swi Limit : 0
Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 4 CIIIa Top : 1530.00 Bottom : 1746.00

Rw : 0.315 Rw Temp : CALC:Temp Rmf : 5.46
Rmf Temp : 8.3 Rw bound : 0.063 Rwb Temp : CALC:Temp
Rmf bound : 0.063 Rmfb Temp : CALC:Temp Rho Sxo zone :
Rho Wet Clay : 2.31 Rho Dry Clay : 2.441 Sonic Wet Clay : 122
Sonic Hc : 220 Sonic matrix : 55 Sonic Equ : Wyllie
Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic
OBM? : No Phi max : 0.3 Delta Phi max : 0.15
m vari wth Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
a factor : 1 m exponent : 1.95 n exponent : 1.9
Invasion factor : 2 Sxo Method : Inv Fac m source : Param
n source : Param Coal Logic : No Salt Logic : No
PhiT Clay : Phi Sw Limit : 0 Phi Limit : 0
Vcl Limit : 1 Kill Logic : No Swi Limit : 0
Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 5 CIIIb Top : 1746.00 Bottom : 1857.00

Rw : 0.317 Rw Temp : CALC:Temp Rmf : 5.46
Rmf Temp : 8.3 Rw bound : 0.055 Rwb Temp : CALC:Temp
Rmf bound : 0.055 Rmfb Temp : CALC:Temp Rho Sxo zone :
Rho Wet Clay : 2.345 Rho Dry Clay : 2.485 Sonic Wet Clay : 114

Sonic Hc : 220 Sonic matrix : 55 Sonic Equ : Wyllie
Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic
OBM ? : No Phi max : 0.3 Delta Phi max : 0.15
m vari wth Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
a factor : 1 m exponent : 1.95 n exponent : 1.9
Invasion factor : 2 Sxo Method : Inv Fac m source : Param
n source : Param Coal Logic : No Salt Logic : No
PhiT Clay : Phie Sw Limit : 0 Phie Limit : 0
Vcl Limit : 1 Kill Logic : No Swi Limit : 0
Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 6 CIIIc Top : 1857.00 Bottom : 2013.00

Rw : 0.315 Rw Temp : CALC:Temp Rmf : 5.46
Rmf Temp : 8.3 Rw bound : 0.049 Rwb Temp : CALC:Temp
Rmf bound : 0.049 Rmfb Temp : CALC:Temp Rho Sxo zone :
Rho Wet Clay : 2.428 Rho Dry Clay : 2.54 Sonic Wet Clay : 108
Sonic Hc : 220 Sonic matrix : 54 Sonic Equ : Wyllie
Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic
OBM ? : No Phi max : 0.3 Delta Phi max : 0.15
m vari wth Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
a factor : 1 m exponent : 1.95 n exponent : 1.9
Invasion factor : 2 Sxo Method : Inv Fac m source : Param
n source : Param Coal Logic : No Salt Logic : No
PhiT Clay : Phie Sw Limit : 0 Phie Limit : 0
Vcl Limit : 1 Kill Logic : No Swi Limit : 0
Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 7 CIV Top : 2013.00 Bottom : 2205.00

Rw : 0.305 Rw Temp : CALC:Temp Rmf : 5.46
Rmf Temp : 8.3 Rw bound : 0.036 Rwb Temp : CALC:Temp

Rmf bound : 0.036 Rmfb Temp : CALC:Temp Rho Sxo zone :
Rho Wet Clay : 2.452 Rho Dry Clay : 2.61 Sonic Wet Clay : 100
Sonic Hc : 220 Sonic matrix : 52 Sonic Equ : Wyllie
Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic
OBM ? : No Phi max : 0.3 Delta Phi max : 0.15
m vari wth Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
a factor : 1 m exponent : 1.98 n exponent : 1.85
Invasion factor : 2 Sxo Method : Inv Fac m source : Param
n source : Param Coal Logic : No Salt Logic : No
PhiT Clay : Phi Sw Limit : 0 Phi Limit : 0
Vcl Limit : 1 Kill Logic : No Swi Limit : 0
Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 8 CIVa Top : 2205.00 Bottom : 2470.00

Rw : 0.303 Rw Temp : CALC:Temp Rmf : 5.46
Rmf Temp : 8.3 Rw bound : 0.031 Rwb Temp : CALC:Temp
Rmf bound : 0.031 Rmfb Temp : CALC:Temp Rho Sxo zone :
Rho Wet Clay : 2.467 Rho Dry Clay : 2.623 Sonic Wet Clay : 95
Sonic Hc : 220 Sonic matrix : 52 Sonic Equ : Wyllie
Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic
OBM ? : No Phi max : 0.3 Delta Phi max : 0.15
m vari wth Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
a factor : 1 m exponent : 1.98 n exponent : 1.85
Invasion factor : 2 Sxo Method : Inv Fac m source : Param
n source : Param Coal Logic : No Salt Logic : No
PhiT Clay : Phi Sw Limit : 0 Phi Limit : 0
Vcl Limit : 1 Kill Logic : No Swi Limit : 0
Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 9 CIVb Top : 2470.00 Bottom : 2653.00

Rw : 0.288 Rw Temp : CALC:Temp Rmf : 5.46
 Rmf Temp : 8.3 Rw bound : 0.023 Rwb Temp : CALC:Temp
 Rmf bound : 0.023 Rmfb Temp : CALC:Temp Rho Sxo zone :
 Rho Wet Clay : 2.517 Rho Dry Clay : 2.645 Sonic Wet Clay : 86
 Sonic Hc : 220 Sonic matrix : 51 Sonic Equ : Wyllie
 Sonic water : 189 Sonic Cp : 0.9 Porosity Method : Sonic
 OBM ? : No Phi max : 0.3 Delta Phi max : 0.15
 m vari wth Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
 a factor : 0.95 m exponent : 1.98 n exponent : 1.85
 Invasion factor : 2 Sxo Method : Inv Fac m source : Param
 n source : Param Coal Logic : No Salt Logic : No
 PhiT Clay : Phie Sw Limit : 0 Phie Limit : 0
 Vcl Limit : 1 Kill Logic : No Swi Limit : 0
 Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 10 CV Top : 2653.00 Bottom : 2680.93

Rw : 0.33 Rw Temp : CALC:Temp Rmf : 5.46
 Rmf Temp : 8.3 Rw bound : 0.045 Rwb Temp : CALC:Temp
 Rmf bound : 0.045 Rmfb Temp : CALC:Temp Rho Sxo zone :
 Rho Wet Clay : 2.558 Rho Dry Clay : 2.67 Sonic Wet Clay : 82
 Sonic Hc : 220 Sonic matrix : 52 Sonic Equ : Wyllie
 Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic
 OBM ? : No Phi max : 0.3 Delta Phi max : 0.15
 m vari wth Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
 a factor : 1 m exponent : 1.98 n exponent : 1.85
 Invasion factor : 2 Sxo Method : Inv Fac m source : Param
 n source : Param Coal Logic : No Salt Logic : No
 PhiT Clay : Phie Sw Limit : 0 Phie Limit : 0
 Vcl Limit : 1 Kill Logic : No Swi Limit : 0
 Anhydrite Logic : No Clay Shale Rati : 0.7

POROSITY WATER SATURATION PARAMETERS

Well : YPF.Ch.APC-406

Date : 11/11/2014 16:37:40

Input Curves

Sonic : CRUDAS:DT Clay Volume : INTERP:VCL
Rt : CRUDAS:R90 Temperature : CALC:Temp

Output Curves

Phi Total : INTERP:PHIT Phi effective : INTERP:PHIE
Sw : INTERP:SW Sw unlimited : INTERP:SWU
Sw total : INTERP:SWT Sw total unlim : INTERP:SWTU
Sxo : INTERP:SXO Sxo unlimited : INTERP:SXOU
Sxo total : INTERP:SXOT Sxo total unlim : INTERP:SXOTU
Bulk vol water : INTERP:BVW Bulk vol flushed : INTERP:BVWSXO
Wet clay volume : INTERP:VWCL Dry Clay volume : INTERP:VDCL
Bound water sat : INTERP:SWB Volume silt : INTERP:VSILT
Logic flag : INTERP:PHIFLAG Sonic matrix : INTERP:DTMA
Hydrocarbon den : INTERP:RHOHY Kill Anal. Flag : INTERP:KillFlag

Zone number 1 CII Top : 1184.00 Bottom : 1304.00

Rw : 0.28 Rw Temp : CALC:Temp Rmf : 5.46
Rmf Temp : 8.3 Rw bound : 0.071 Rwb Temp : CALC:Temp
Rmf bound : 0.071 Rmfb Temp : CALC:Temp Rho Sxo zone :
Rho Wet Clay : 2.189 Rho Dry Clay : 2.4 Sonic Wet Clay : 137
Sonic Hc : 220 Sonic matrix : 56 Sonic Equ : Wyllie
Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic
OBM ? : No Phi max : 0.3 Delta Phi max : 0.15
m vari with Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water

a factor : 1 m exponent : 1.7 n exponent : 1.91
Invasion factor : 2 Sxo Method : Inv Fac m source : Param
n source : Param Coal Logic : No Salt Logic : No
PhiT Clay : Phie Sw Limit : 0 Phie Limit : 0
Vcl Limit : 1 Kill Logic : No Swi Limit : 0
Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 2 CIIa Top : 1304.00 Bottom : 1416.00

Rw : 0.275 Rw Temp : CALC:Temp Rmf : 5.46
Rmf Temp : 8.3 Rw bound : 0.069 Rwb Temp : CALC:Temp
Rmf bound : 0.069 Rmfb Temp : CALC:Temp Rho Sxo zone :
Rho Wet Clay : 2.247 Rho Dry Clay : 2.42 Sonic Wet Clay : 137
Sonic Hc : 220 Sonic matrix : 56 Sonic Equ : Wyllie
Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic
OBM? : No Phi max : 0.3 Delta Phi max : 0.15
m vari with Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
a factor : 1 m exponent : 1.7 n exponent : 1.91
Invasion factor : 2 Sxo Method : Inv Fac m source : Param
n source : Param Coal Logic : No Salt Logic : No
PhiT Clay : Phie Sw Limit : 0 Phie Limit : 0
Vcl Limit : 1 Kill Logic : No Swi Limit : 0
Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 3 CIII Top : 1416.00 Bottom : 1530.00

Rw : 0.291 Rw Temp : CALC:Temp Rmf : 5.46
Rmf Temp : 8.3 Rw bound : 0.063 Rwb Temp : CALC:Temp
Rmf bound : 0.063 Rmfb Temp : CALC:Temp Rho Sxo zone :
Rho Wet Clay : 2.282 Rho Dry Clay : 2.44 Sonic Wet Clay : 124
Sonic Hc : 220 Sonic matrix : 55 Sonic Equ : Wyllie
Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic

OBM? : No Phi max : 0.3 Delta Phi max : 0.15
m vari wth Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
a factor : 1 m exponent : 1.95 n exponent : 1.9
Invasion factor : 2 Sxo Method : Inv Fac m source : Param
n source : Param Coal Logic : No Salt Logic : No
PhiT Clay : Phi Sw Limit : 0 Phi Limit : 0
Vcl Limit : 1 Kill Logic : No Swi Limit : 0
Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 4 CIIIa Top : 1530.00 Bottom : 1746.00

Rw : 0.315 Rw Temp : CALC:Temp Rmf : 5.46
Rmf Temp : 8.3 Rw bound : 0.063 Rwb Temp : CALC:Temp
Rmf bound : 0.063 Rmfb Temp : CALC:Temp Rho Sxo zone :
Rho Wet Clay : 2.31 Rho Dry Clay : 2.441 Sonic Wet Clay : 122
Sonic Hc : 220 Sonic matrix : 55 Sonic Equ : Wyllie
Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic
OBM? : No Phi max : 0.3 Delta Phi max : 0.15
m vari wth Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
a factor : 1 m exponent : 1.95 n exponent : 1.9
Invasion factor : 2 Sxo Method : Inv Fac m source : Param
n source : Param Coal Logic : No Salt Logic : No
PhiT Clay : Phi Sw Limit : 0 Phi Limit : 0
Vcl Limit : 1 Kill Logic : No Swi Limit : 0
Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 5 CIIIb Top : 1746.00 Bottom : 1857.00

Rw : 0.317 Rw Temp : CALC:Temp Rmf : 5.46
Rmf Temp : 8.3 Rw bound : 0.055 Rwb Temp : CALC:Temp
Rmf bound : 0.055 Rmfb Temp : CALC:Temp Rho Sxo zone :
Rho Wet Clay : 2.345 Rho Dry Clay : 2.485 Sonic Wet Clay : 114

Sonic Hc : 220 Sonic matrix : 55 Sonic Equ : Wyllie
Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic
OBM ? : No Phi max : 0.3 Delta Phi max : 0.15
m vari wth Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
a factor : 1 m exponent : 1.95 n exponent : 1.9
Invasion factor : 2 Sxo Method : Inv Fac m source : Param
n source : Param Coal Logic : No Salt Logic : No
PhiT Clay : Phie Sw Limit : 0 Phie Limit : 0
Vcl Limit : 1 Kill Logic : No Swi Limit : 0
Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 6 CIIIc Top : 1857.00 Bottom : 2013.00

Rw : 0.315 Rw Temp : CALC:Temp Rmf : 5.46
Rmf Temp : 8.3 Rw bound : 0.049 Rwb Temp : CALC:Temp
Rmf bound : 0.049 Rmfb Temp : CALC:Temp Rho Sxo zone :
Rho Wet Clay : 2.428 Rho Dry Clay : 2.54 Sonic Wet Clay : 108
Sonic Hc : 220 Sonic matrix : 54 Sonic Equ : Wyllie
Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic
OBM ? : No Phi max : 0.3 Delta Phi max : 0.15
m vari wth Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
a factor : 1 m exponent : 1.95 n exponent : 1.9
Invasion factor : 2 Sxo Method : Inv Fac m source : Param
n source : Param Coal Logic : No Salt Logic : No
PhiT Clay : Phie Sw Limit : 0 Phie Limit : 0
Vcl Limit : 1 Kill Logic : No Swi Limit : 0
Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 7 CIV Top : 2013.00 Bottom : 2205.00

Rw : 0.305 Rw Temp : CALC:Temp Rmf : 5.46
Rmf Temp : 8.3 Rw bound : 0.036 Rwb Temp : CALC:Temp

Rmf bound : 0.036 Rmfb Temp : CALC:Temp Rho Sxo zone :
Rho Wet Clay : 2.452 Rho Dry Clay : 2.61 Sonic Wet Clay : 100
Sonic Hc : 220 Sonic matrix : 52 Sonic Equ : Wyllie
Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic
OBM ? : No Phi max : 0.3 Delta Phi max : 0.15
m vari wth Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
a factor : 1 m exponent : 1.98 n exponent : 1.85
Invasion factor : 2 Sxo Method : Inv Fac m source : Param
n source : Param Coal Logic : No Salt Logic : No
PhiT Clay : Phie Sw Limit : 0 Phie Limit : 0
Vcl Limit : 1 Kill Logic : No Swi Limit : 0
Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 8 CIVa Top : 2205.00 Bottom : 2470.00

Rw : 0.303 Rw Temp : CALC:Temp Rmf : 5.46
Rmf Temp : 8.3 Rw bound : 0.031 Rwb Temp : CALC:Temp
Rmf bound : 0.031 Rmfb Temp : CALC:Temp Rho Sxo zone :
Rho Wet Clay : 2.467 Rho Dry Clay : 2.623 Sonic Wet Clay : 95
Sonic Hc : 220 Sonic matrix : 52 Sonic Equ : Wyllie
Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic
OBM ? : No Phi max : 0.3 Delta Phi max : 0.15
m vari wth Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
a factor : 1 m exponent : 1.98 n exponent : 1.85
Invasion factor : 2 Sxo Method : Inv Fac m source : Param
n source : Param Coal Logic : No Salt Logic : No
PhiT Clay : Phie Sw Limit : 0 Phie Limit : 0
Vcl Limit : 1 Kill Logic : No Swi Limit : 0
Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 9 CIVb Top : 2470.00 Bottom : 2653.00

Rw : 0.288 Rw Temp : CALC:Temp Rmf : 5.46
 Rmf Temp : 8.3 Rw bound : 0.023 Rwb Temp : CALC:Temp
 Rmf bound : 0.023 Rmfb Temp : CALC:Temp Rho Sxo zone :
 Rho Wet Clay : 2.517 Rho Dry Clay : 2.645 Sonic Wet Clay : 86
 Sonic Hc : 220 Sonic matrix : 51 Sonic Equ : Wyllie
 Sonic water : 189 Sonic Cp : 0.9 Porosity Method : Sonic
 OBM ? : No Phi max : 0.3 Delta Phi max : 0.15
 m vari wth Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
 a factor : 0.95 m exponent : 1.98 n exponent : 1.85
 Invasion factor : 2 Sxo Method : Inv Fac m source : Param
 n source : Param Coal Logic : No Salt Logic : No
 PhiT Clay : Phie Sw Limit : 0 Phie Limit : 0
 Vcl Limit : 1 Kill Logic : No Swi Limit : 0
 Anhydrite Logic : No Clay Shale Rati : 0.7

Zone number 10 CV Top : 2653.00 Bottom : 2680.93

Rw : 0.33 Rw Temp : CALC:Temp Rmf : 5.46
 Rmf Temp : 8.3 Rw bound : 0.045 Rwb Temp : CALC:Temp
 Rmf bound : 0.045 Rmfb Temp : CALC:Temp Rho Sxo zone :
 Rho Wet Clay : 2.558 Rho Dry Clay : 2.67 Sonic Wet Clay : 82
 Sonic Hc : 220 Sonic matrix : 52 Sonic Equ : Wyllie
 Sonic water : 189 Sonic Cp : 1 Porosity Method : Sonic
 OBM ? : No Phi max : 0.3 Delta Phi max : 0.15
 m vari wth Vcl : No Vcl cutoff : 0.6 Sat Equation : Dual water
 a factor : 1 m exponent : 1.98 n exponent : 1.85
 Invasion factor : 2 Sxo Method : Inv Fac m source : Param
 n source : Param Coal Logic : No Salt Logic : No
 PhiT Clay : Phie Sw Limit : 0 Phie Limit : 0
 Vcl Limit : 1 Kill Logic : No Swi Limit : 0
 Anhydrite Logic : No Clay Shale Rati : 0.7

"Punzados" Zones

Well: YPF.Ch.APC-406

Date: 11/11/2014 16:17:13

Zone_Name	Top	Bottom
Ag	1671.5	1673.5
Ag	1675.5	1678
AgcRP	1870	1872
AgcRP	1873.5	1876
Ag	1998	2001
Ag+Pet	2062.5	2065.5
AgcRP	2110	2113
Ag	2131	2134
Ag	2229	2231
SE	2267.5	2269.5
Pet+Gas	2290	2293
Pet+Ag	2329.5	2332
Ag	2338	2340.5
Ag	2357.5	2364
Ag	2430.5	2435
SE	2570.5	2575.5
Pet	2594.5	2599.5
SE	2640.5	2644

"Punzados" Zones

Well: YPF.Ch.APC-406

Date: 11/11/2014 16:17:13

Zone_Name	Top	Bottom
Ag	1671.5	1673.5
Ag	1675.5	1678
AgcRP	1870	1872
AgcRP	1873.5	1876
Ag	1998	2001
Ag+Pet	2062.5	2065.5
AgcRP	2110	2113
Ag	2131	2134
Ag	2229	2231
SE	2267.5	2269.5
Pet+Gas	2290	2293
Pet+Ag	2329.5	2332
Ag	2338	2340.5
Ag	2357.5	2364
Ag	2430.5	2435
SE	2570.5	2575.5
Pet	2594.5	2599.5
SE	2640.5	2644

Reservorio y Neto

Company ASTRA
 Well Name YPF.Ch.APC-406
 Field Escalante
 Country _____ State _____
 Location _____

Petrophysical Zone Averages Report

Reservoir Summary

Zn #	Zone Name	Top	Bottom	Gross	Net	N/G	Av Phi	Av Sw	Av Vcl Ari	Phi*H	PhiSo*H
1	Ag	1671.50	1673.50	2.00	1.74	0.872	0.190	0.714	0.100	0.33	0.09
2	Ag	1675.50	1678.00	2.50	2.50	1.000	0.190	0.750	0.125	0.47	0.12
3	AgcRP	1870.00	1872.00	2.00	1.97	0.985	0.203	0.670	0.146	0.40	0.13
4	AgcRP	1873.50	1876.00	2.50	2.50	1.000	0.185	0.766	0.117	0.46	0.11
5	Ag	1998.00	2001.00	3.00	3.00	1.000	0.168	0.869	0.164	0.50	0.07
6	Ag+Pet	2062.50	2065.50	3.00	2.69	0.895	0.199	0.539	0.151	0.54	0.25
7	AgcRP	2110.00	2113.00	3.00	2.95	0.985	0.138	0.751	0.072	0.41	0.10
8	Ag	2131.00	2134.00	3.00	2.83	0.944	0.203	0.558	0.200	0.58	0.25
9	Ag	2229.00	2231.00	2.00	2.00	1.000	0.179	0.651	0.211	0.36	0.12
10	SE	2267.50	2269.50	2.00	1.86	0.930	0.145	0.763	0.245	0.27	0.06
11	Pet+Gas	2290.00	2293.00	3.00	3.00	1.000	0.181	0.632	0.140	0.54	0.20
12	Pet+Ag	2329.50	2332.00	2.50	2.35	0.939	0.155	0.718	0.171	0.36	0.10
13	Ag	2338.00	2340.50	2.50	2.30	0.919	0.186	0.624	0.212	0.43	0.16
14	Ag	2357.50	2364.00	6.50	6.50	1.000	0.182	0.677	0.089	1.18	0.38
15	Ag	2430.50	2435.00	4.50	4.50	1.000	0.160	0.729	0.100	0.72	0.20
16	SE	2570.50	2575.50	5.00	4.84	0.967	0.103	0.792	0.169	0.50	0.10
17	Pet	2594.50	2599.50	5.00	5.00	1.000	0.124	0.621	0.193	0.62	0.24
18	SE	2640.50	2644.00	3.50	3.50	1.000	0.134	0.761	0.200	0.47	0.11
All Zones		1671.50	2644.00	57.50	56.03	0.974	0.163	0.693	0.151	9.14	2.80

Pay Summary

Zn #	Zone Name	Top	Bottom	Gross	Net	N/G	Av Phi	Av Sw	Av Vcl Ari	Phi*H	PhiSo*H
1	Ag	1671.50	1673.50	2.00	0.46	0.229	0.226	0.621	0.080	0.10	0.04
2	Ag	1675.50	1678.00	2.50	0.61	0.244	0.235	0.623	0.106	0.14	0.05
3	AgcRP	1870.00	1872.00	2.00	0.76	0.381	0.247	0.565	0.115	0.19	0.08
4	AgcRP	1873.50	1876.00	2.50	0.61	0.244	0.215	0.616	0.086	0.13	0.05
5	Ag	1998.00	2001.00	3.00	0.00	0.000	---	---	---	---	---
6	Ag+Pet	2062.50	2065.50	3.00	1.98	0.660	0.218	0.474	0.113	0.43	0.23
7	AgcRP	2110.00	2113.00	3.00	0.00	0.000	---	---	---	---	---
8	Ag	2131.00	2134.00	3.00	2.53	0.843	0.213	0.530	0.185	0.54	0.25
9	Ag	2229.00	2231.00	2.00	1.07	0.533	0.188	0.607	0.180	0.20	0.08
10	SE	2267.50	2269.50	2.00	0.46	0.229	0.193	0.588	0.174	0.09	0.04
11	Pet+Gas	2290.00	2293.00	3.00	1.98	0.660	0.203	0.552	0.105	0.40	0.18
12	Pet+Ag	2329.50	2332.00	2.50	0.61	0.244	0.192	0.586	0.145	0.12	0.05
13	Ag	2338.00	2340.50	2.50	1.52	0.610	0.203	0.557	0.165	0.31	0.14
14	Ag	2357.50	2364.00	6.50	2.29	0.352	0.190	0.601	0.084	0.43	0.17
15	Ag	2430.50	2435.00	4.50	1.22	0.271	0.180	0.636	0.087	0.22	0.08
16	SE	2570.50	2575.50	5.00	0.00	0.000	---	---	---	---	---
17	Pet	2594.50	2599.50	5.00	4.50	0.901	0.125	0.616	0.189	0.56	0.22
18	SE	2640.50	2644.00	3.50	0.61	0.174	0.114	0.609	0.279	0.07	0.03
All Zones		1671.50	2644.00	57.50	21.21	0.369	0.186	0.573	0.145	3.94	1.68

Cutoffs Used

Zn #	Zone Name	Top	Bottom	Min. Height	Phi INTERP:PHIE	Sw INTERP:SW	Vcl INTERP:VCL
Reservoir							
1	Ag	1671.50	1673.50	0	>= 0.06		<= 0.4
2	Ag	1675.50	1678.00	0	>= 0.06		<= 0.4
3	AgcRP	1870.00	1872.00	0	>= 0.06		<= 0.4
4	AgcRP	1873.50	1876.00	0	>= 0.06		<= 0.4
5	Ag	1998.00	2001.00	0	>= 0.06		<= 0.4
6	Ag+Pet	2062.50	2065.50	0	>= 0.06		<= 0.4
7	AgcRP	2110.00	2113.00	0	>= 0.06		<= 0.4
8	Ag	2131.00	2134.00	0	>= 0.06		<= 0.4
9	Ag	2229.00	2231.00	0	>= 0.06		<= 0.4
10	SE	2267.50	2269.50	0	>= 0.06		<= 0.4
11	Pet+Gas	2290.00	2293.00	0	>= 0.06		<= 0.4
12	Pet+Ag	2329.50	2332.00	0	>= 0.06		<= 0.4
13	Ag	2338.00	2340.50	0	>= 0.06		<= 0.4
14	Ag	2357.50	2364.00	0	>= 0.06		<= 0.4
15	Ag	2430.50	2435.00	0	>= 0.06		<= 0.4
16	SE	2570.50	2575.50	0	>= 0.06		<= 0.4
17	Pet	2594.50	2599.50	0	>= 0.06		<= 0.4
18	SE	2640.50	2644.00	0	>= 0.06		<= 0.4
Pay							
1	Ag	1671.50	1673.50	0	>= 0.06	<= 0.65	<= 0.4
2	Ag	1675.50	1678.00	0	>= 0.06	<= 0.65	<= 0.4
3	AgcRP	1870.00	1872.00	0	>= 0.06	<= 0.65	<= 0.4

4	AgcRP	1873.50	1876.00	0	>= 0.06	<= 0.65	<= 0.4
5	Ag	1998.00	2001.00	0	>= 0.06	<= 0.65	<= 0.4
6	Ag+Pet	2062.50	2065.50	0	>= 0.06	<= 0.65	<= 0.4
7	AgcRP	2110.00	2113.00	0	>= 0.06	<= 0.65	<= 0.4
8	Ag	2131.00	2134.00	0	>= 0.06	<= 0.65	<= 0.4
9	Ag	2229.00	2231.00	0	>= 0.06	<= 0.65	<= 0.4
10	SE	2267.50	2269.50	0	>= 0.06	<= 0.65	<= 0.4
11	Pet+Gas	2290.00	2293.00	0	>= 0.06	<= 0.65	<= 0.4
12	Pet+Ag	2329.50	2332.00	0	>= 0.06	<= 0.65	<= 0.4
13	Ag	2338.00	2340.50	0	>= 0.06	<= 0.65	<= 0.4
14	Ag	2357.50	2364.00	0	>= 0.06	<= 0.65	<= 0.4
15	Ag	2430.50	2435.00	0	>= 0.06	<= 0.65	<= 0.4
16	SE	2570.50	2575.50	0	>= 0.06	<= 0.65	<= 0.4
17	Pet	2594.50	2599.50	0	>= 0.06	<= 0.65	<= 0.4
18	SE	2640.50	2644.00	0	>= 0.06	<= 0.65	<= 0.4

Depth Units : m

CLAY VOLUME PARAMETERS

Top	SP Clean	Res Clean
Bottom	SP Clay	Res Clay
1184	-27	3.38
1304	0	1.08
1304	-24	3.12
1416	-1	1.19
1416	-38	7.27
1530	-1	1.37
1530	-54	15
1746	-1	1.24
1746	-51	16.1
1857	0	1.4
1857	-44	17.5
2013	0	1.25
2013	-68	21.4
2205	-1	1.55
2205	-50	15.4
2470	-1	1.65
2470	-44	16.4
2653	1	3.18
2653	-66.6	21.5
2676	4.1	0.535

POROSITY WATER SATURATION PARAMETERS

Top	Phi Model	Rw	Rmf	"m"	"a"	Son Clay	Son Fluid	Son Eq.	Rwb	Rh Dry Clay
Bottom	Sw eq.	Rw temp.	Rmf temp.	"n"	OBM ?	Son Mat	Son HC		Rwb temp.	Phi T Clay
1184	Sonic	0.28	5.46	1.7	1	137	189	Wyllie	0.071	2.4
1304	Dual water	CALC:Temp	8.3	1.91	No	56	220	CALC:Temp		
1304	Sonic	0.275	5.46	1.7	1	137	189	Wyllie	0.069	2.42
1416	Dual water	CALC:Temp	8.3	1.91	No	56	220	CALC:Temp		
1416	Sonic	0.291	5.46	1.95	1	124	189	Wyllie	0.063	2.44
1530	Dual water	CALC:Temp	8.3	1.9	No	55	220	CALC:Temp		
1530	Sonic	0.315	5.46	1.95	1	122	189	Wyllie	0.063	2.441
1746	Dual water	CALC:Temp	8.3	1.9	No	55	220	CALC:Temp		
1746	Sonic	0.317	5.46	1.95	1	114	189	Wyllie	0.055	2.485
1857	Dual water	CALC:Temp	8.3	1.9	No	55	220	CALC:Temp		
1857	Sonic	0.315	5.46	1.95	1	108	189	Wyllie	0.049	2.54
2013	Dual water	CALC:Temp	8.3	1.9	No	54	220	CALC:Temp		
2013	Sonic	0.305	5.46	1.98	1	100	189	Wyllie	0.036	2.61
2205	Dual water	CALC:Temp	8.3	1.85	No	52	220	CALC:Temp		
2205	Sonic	0.303	5.46	1.98	1	95	189	Wyllie	0.031	2.623
2470	Dual water	CALC:Temp	8.3	1.85	No	52	220	CALC:Temp		
2470	Sonic	0.288	5.46	1.98	0.95	86	189	Wyllie	0.023	2.645
2653	Dual water	CALC:Temp	8.3	1.85	No	51	220	CALC:Temp		
2653	Sonic	0.33	5.46	1.98	1	82	189	Wyllie	0.045	2.67
2680.93	Dual water	CALC:Temp	8.3	1.85	No	52	220	CALC:Temp		

EDIT:SPedit : Spontaneous Potential
INTERP:PHIE : Effective Porosity
SUMA:ResFlag
SUMA:PayFlag
CALC:Bad : Curva de Mal Pozo
INTERP:SW : Water Saturation
INTERP:VCL : Clay Volume

Scale : 1 : 200

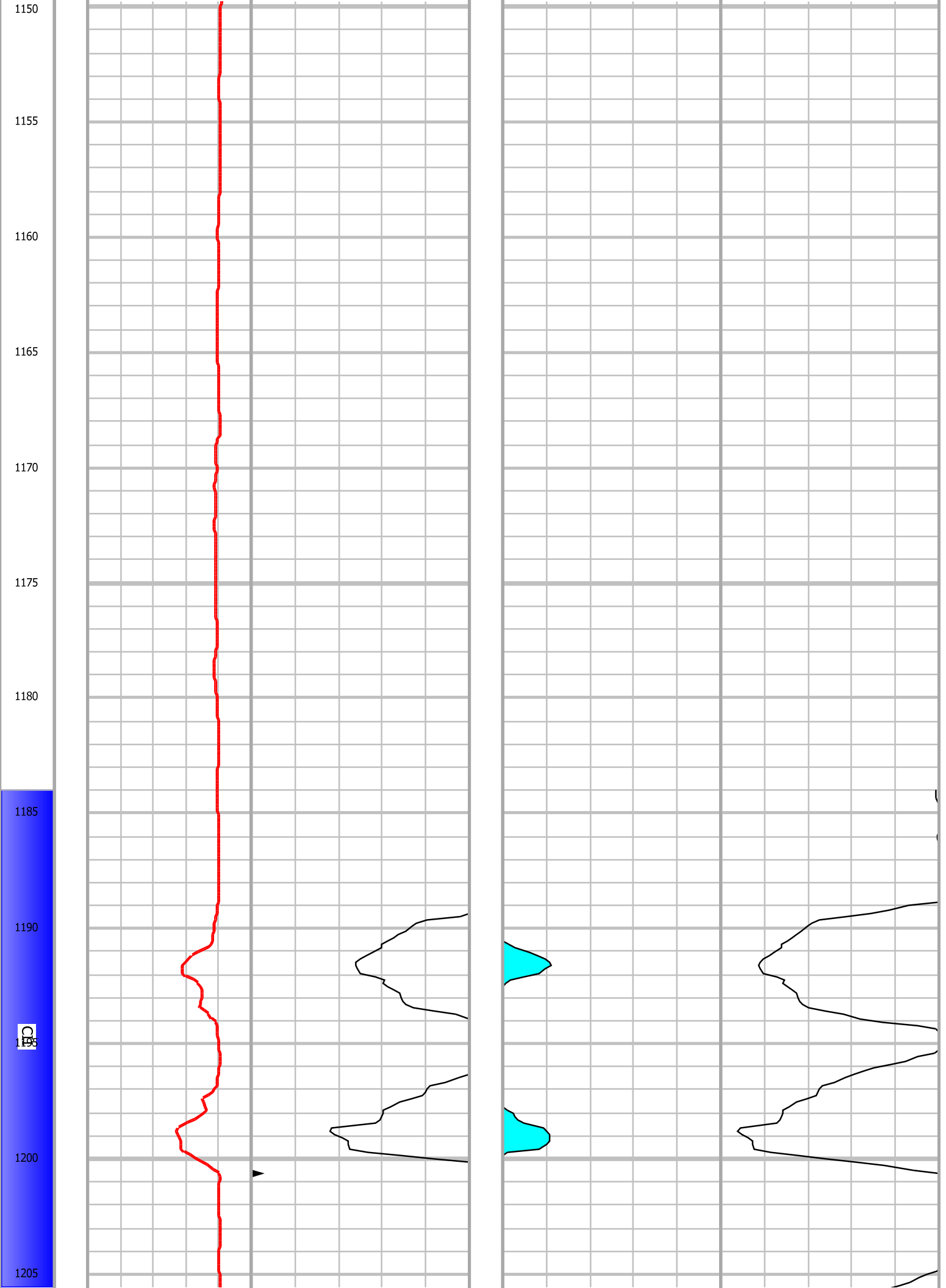
YPF.Ch.APC-406

DB : Petrofísica PAMPA CASTILLO NORTE (38)

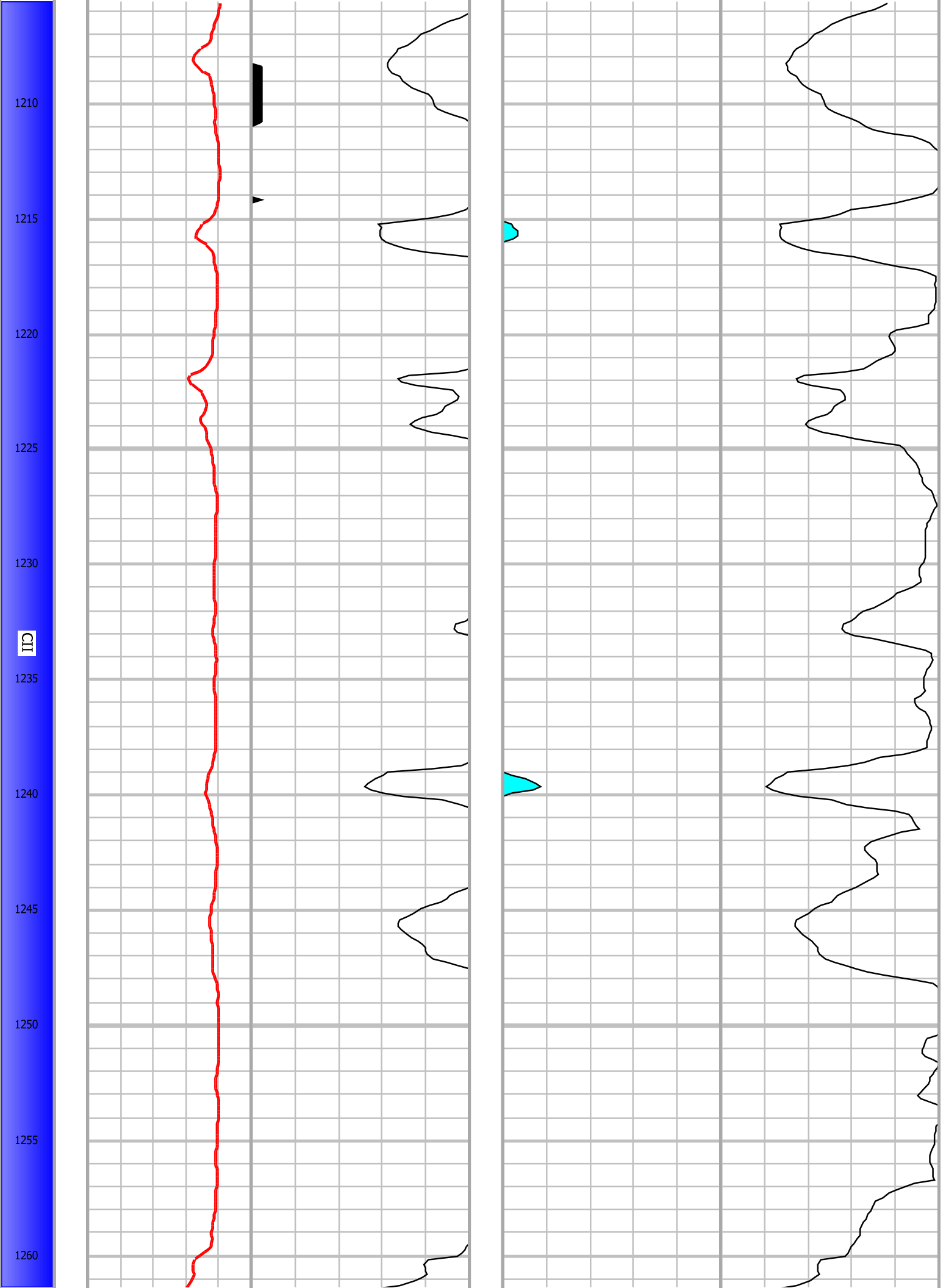
DEPTH (1144.99M - 2645.06M)

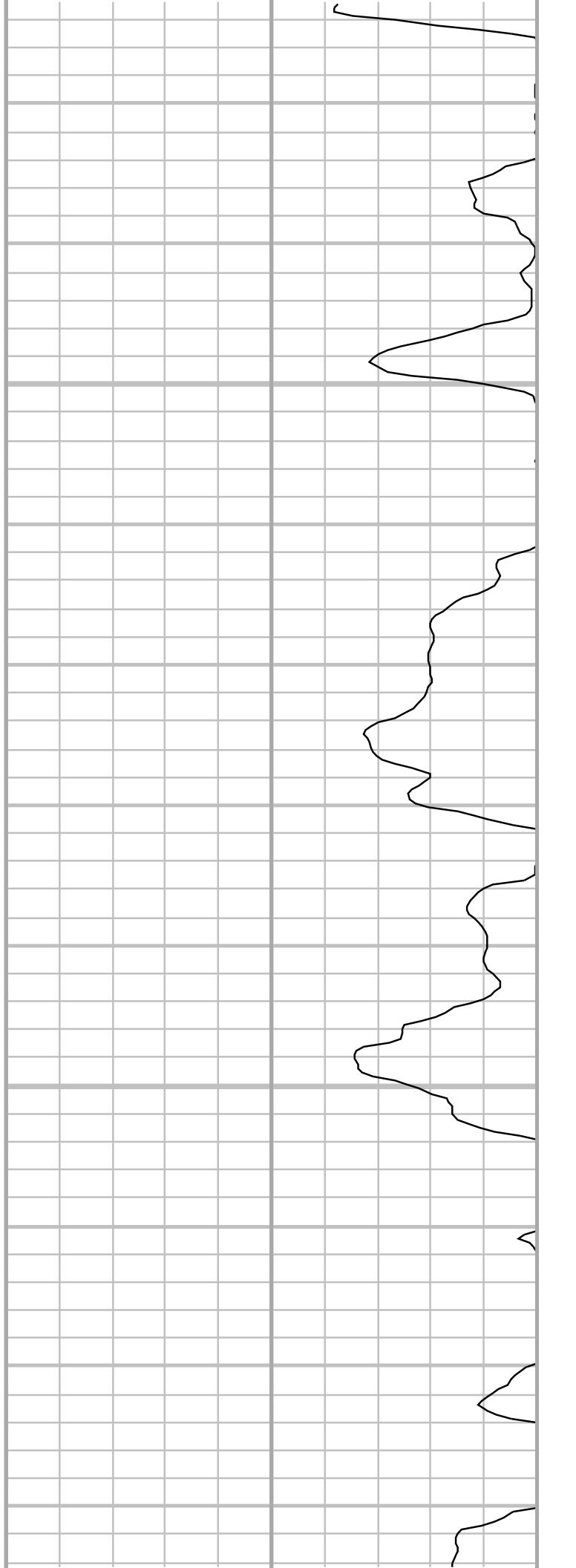
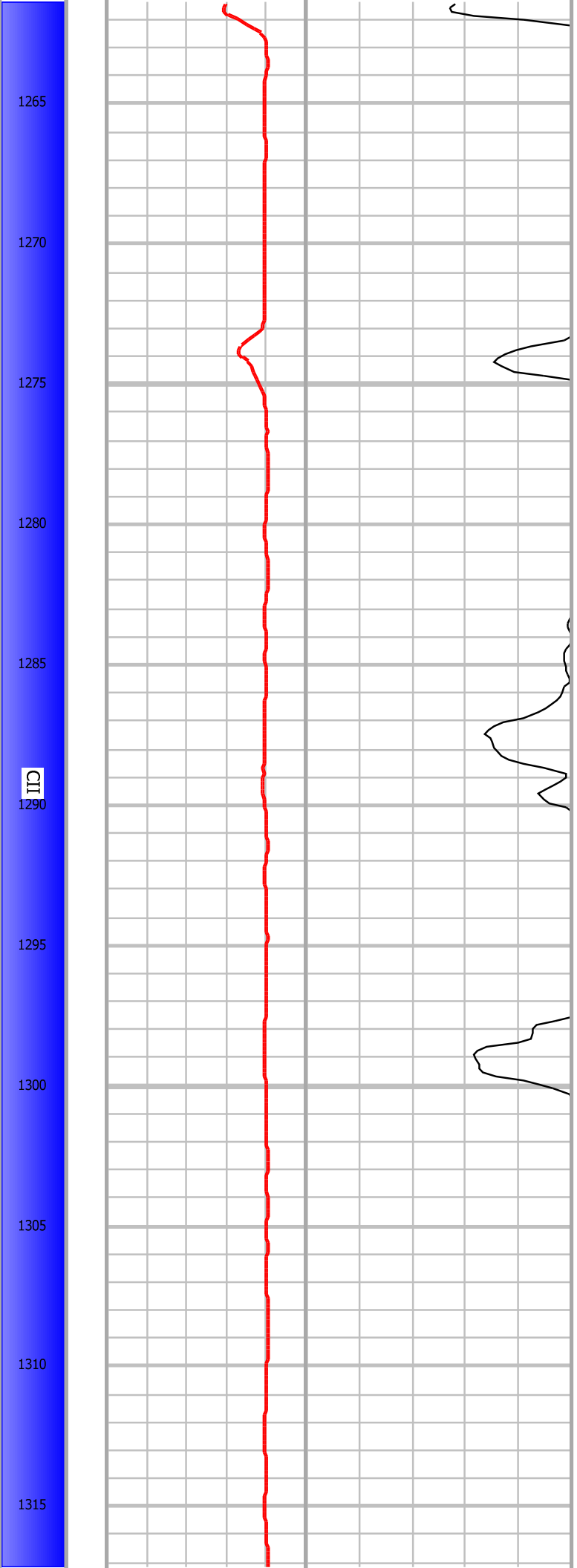
11/11/2014 16:47

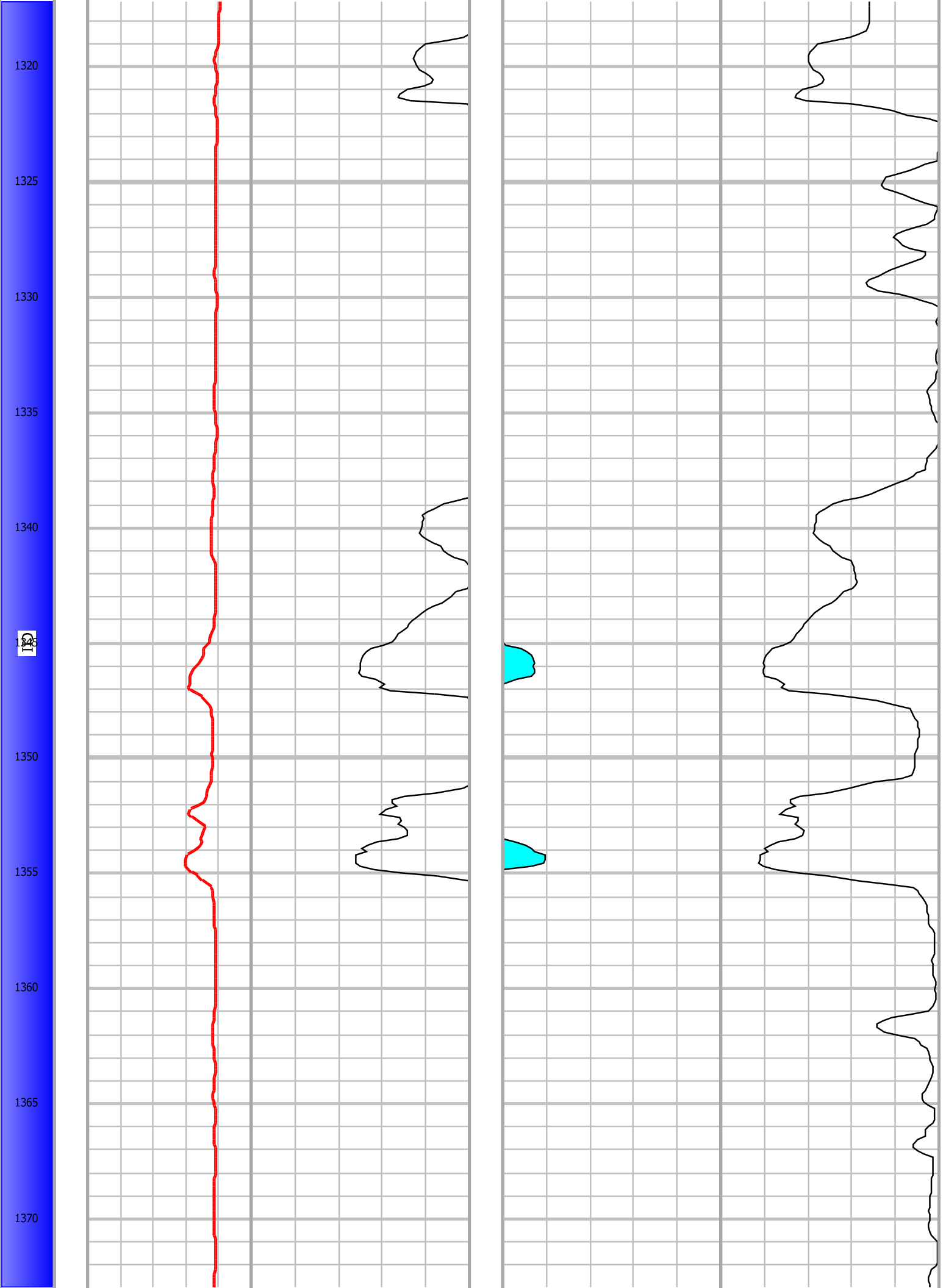
Topes	Cutoff	SP - GR	Porosidad	Zonas	Saturación de Agua	Volumen de Arcilla
DEPTH (M)	Cutoffs	EDIT:SPedit (MV)	INTERP:PHIE (Dec)	Purzados	INTERP:SW (Dec)	INTERP:VCL (Dec)
Topes		-80. _____ 20.	0.5 _____ 0.		1. _____ 0.	0. _____ 1.
			CALC:Bad (Hole)		Reservoir Flag	Reservoir Flag
			0. _____ 20.		Pay Flag	Pay Flag
			Reservoir Flag		Agua	Ensayos
			Pay Flag		HC (SW<0.65 (40% Prob Pet))	
			Bad Hole			

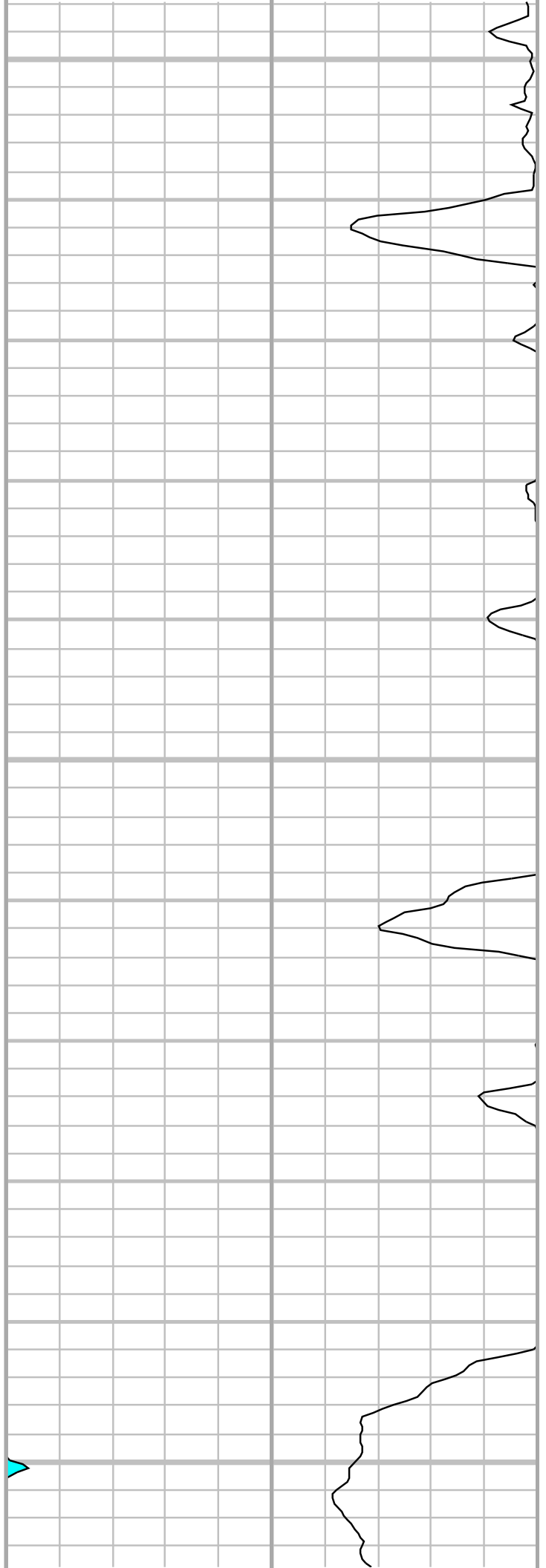
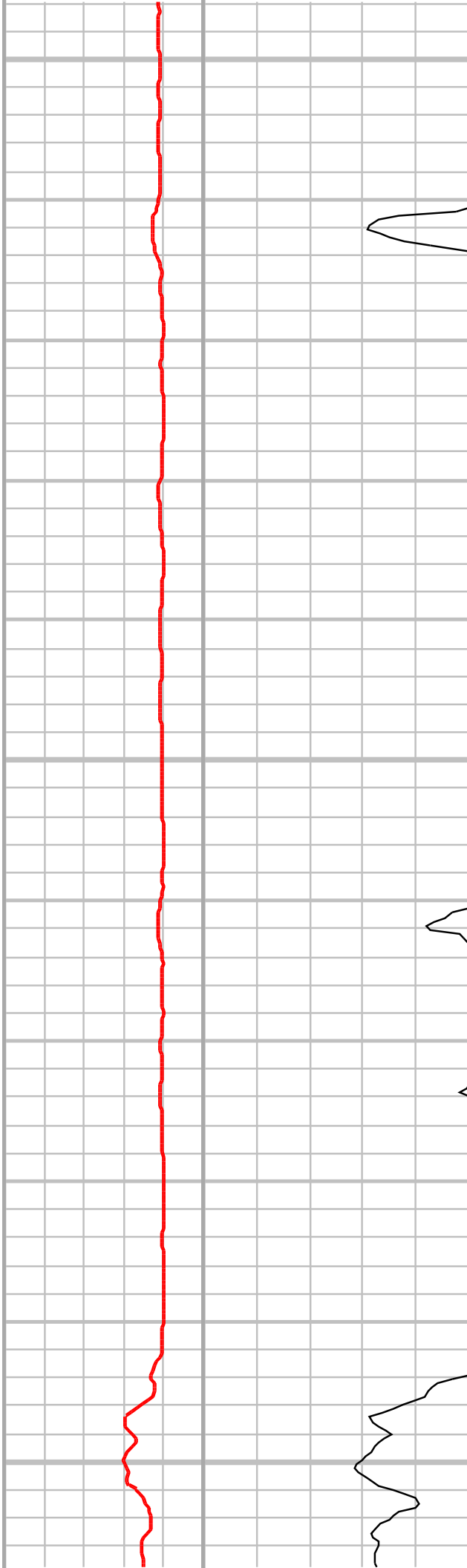


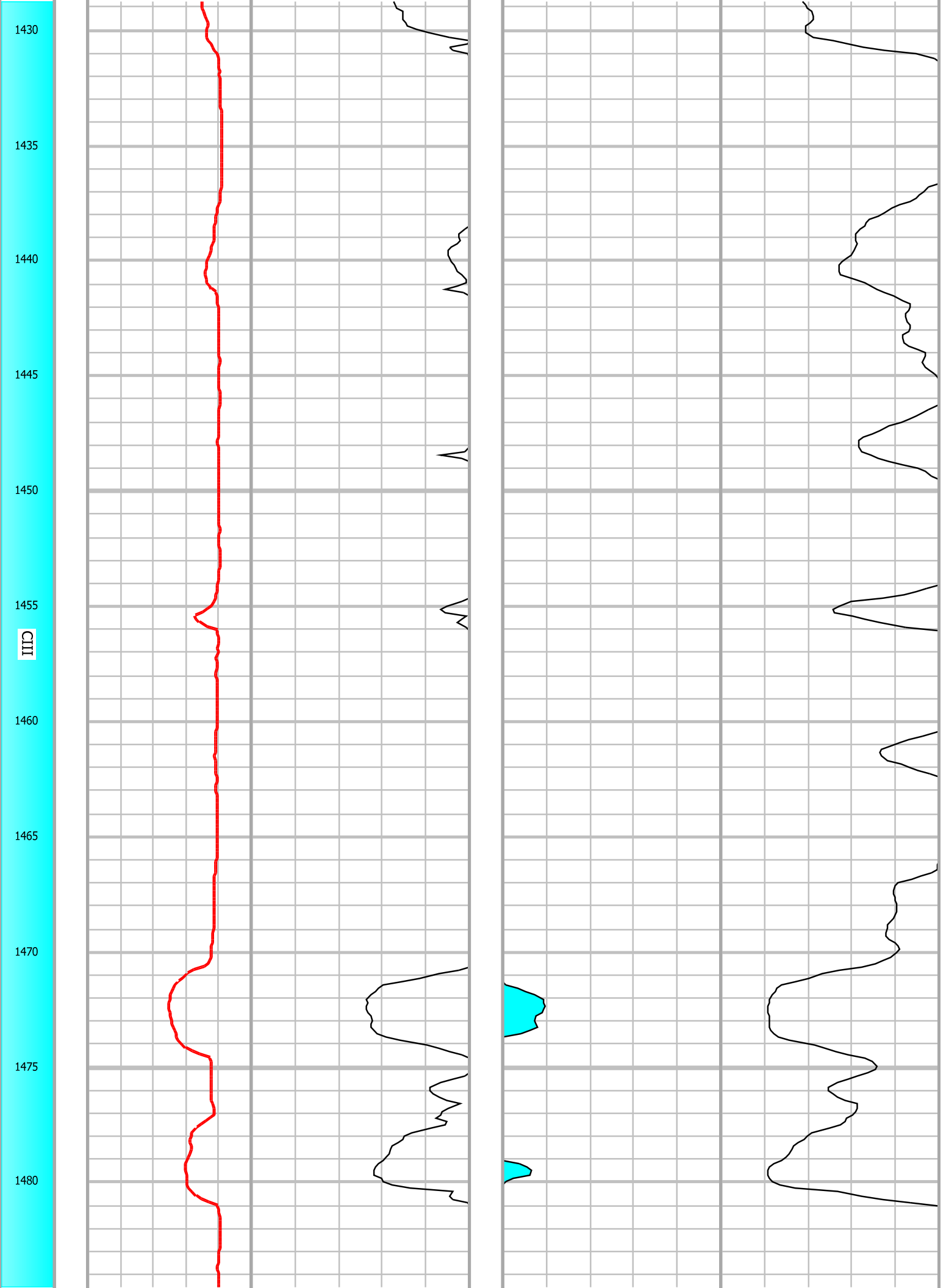
CP











1485

1490

1495

1500

1505

1510

1515

1520

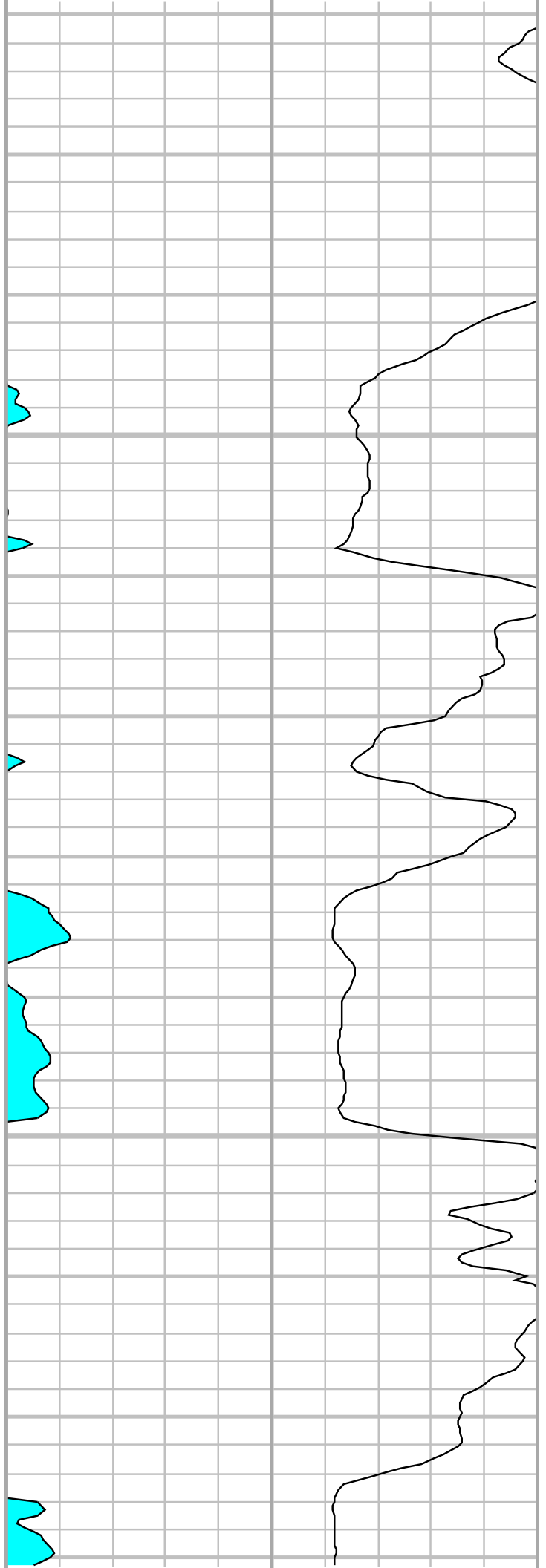
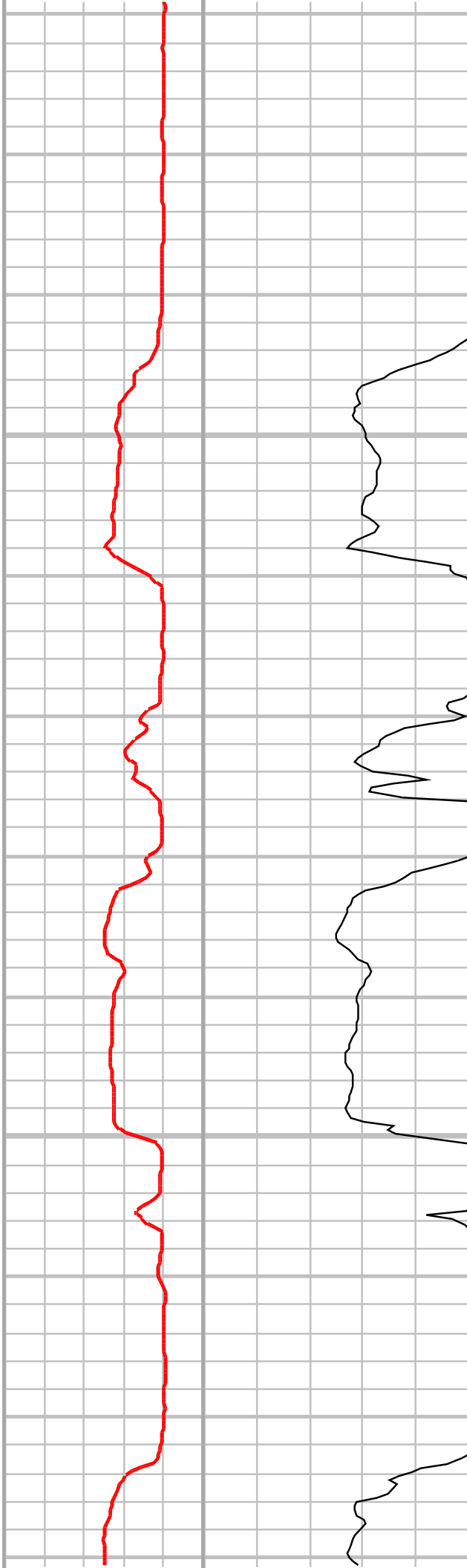
1525

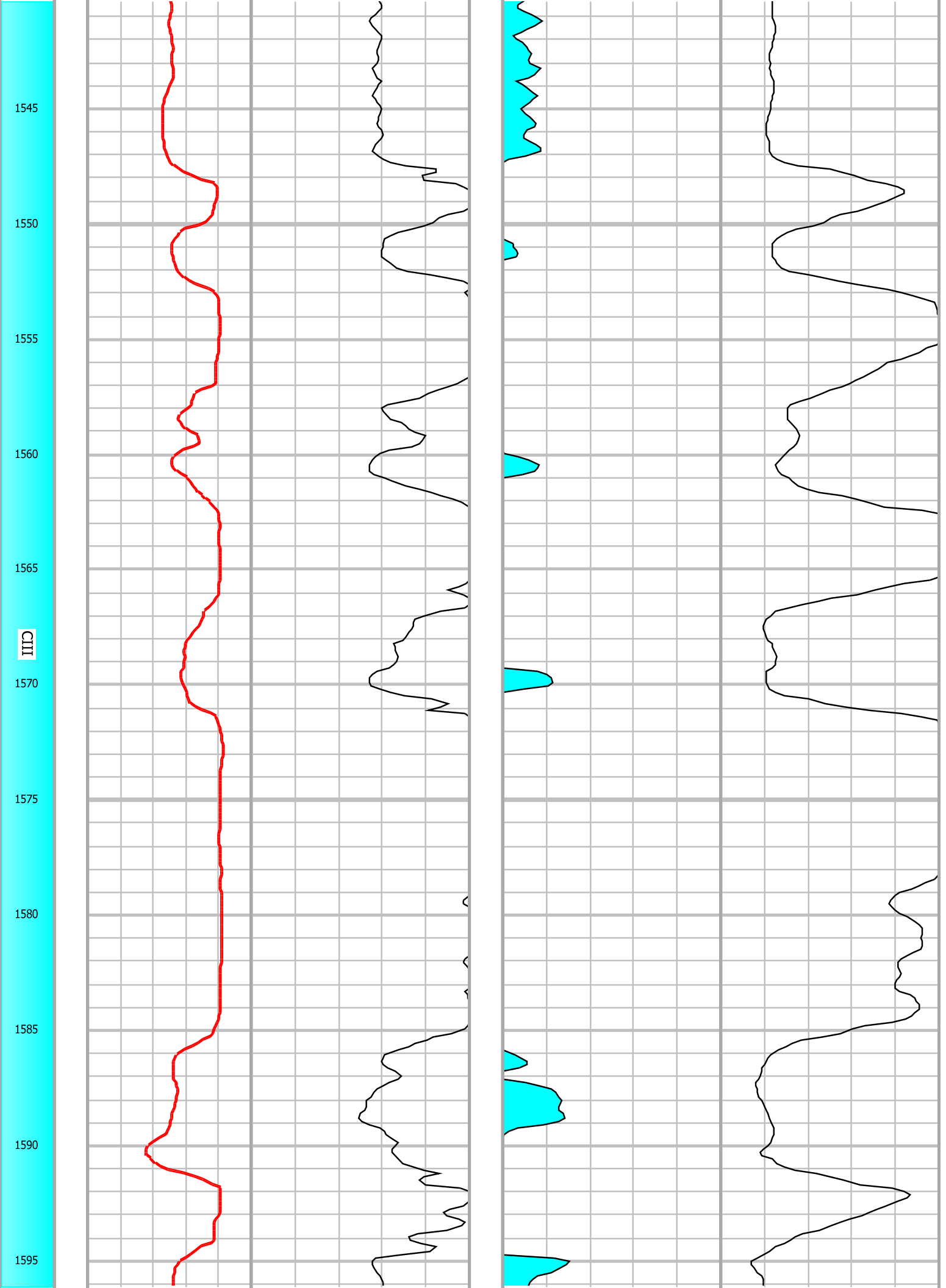
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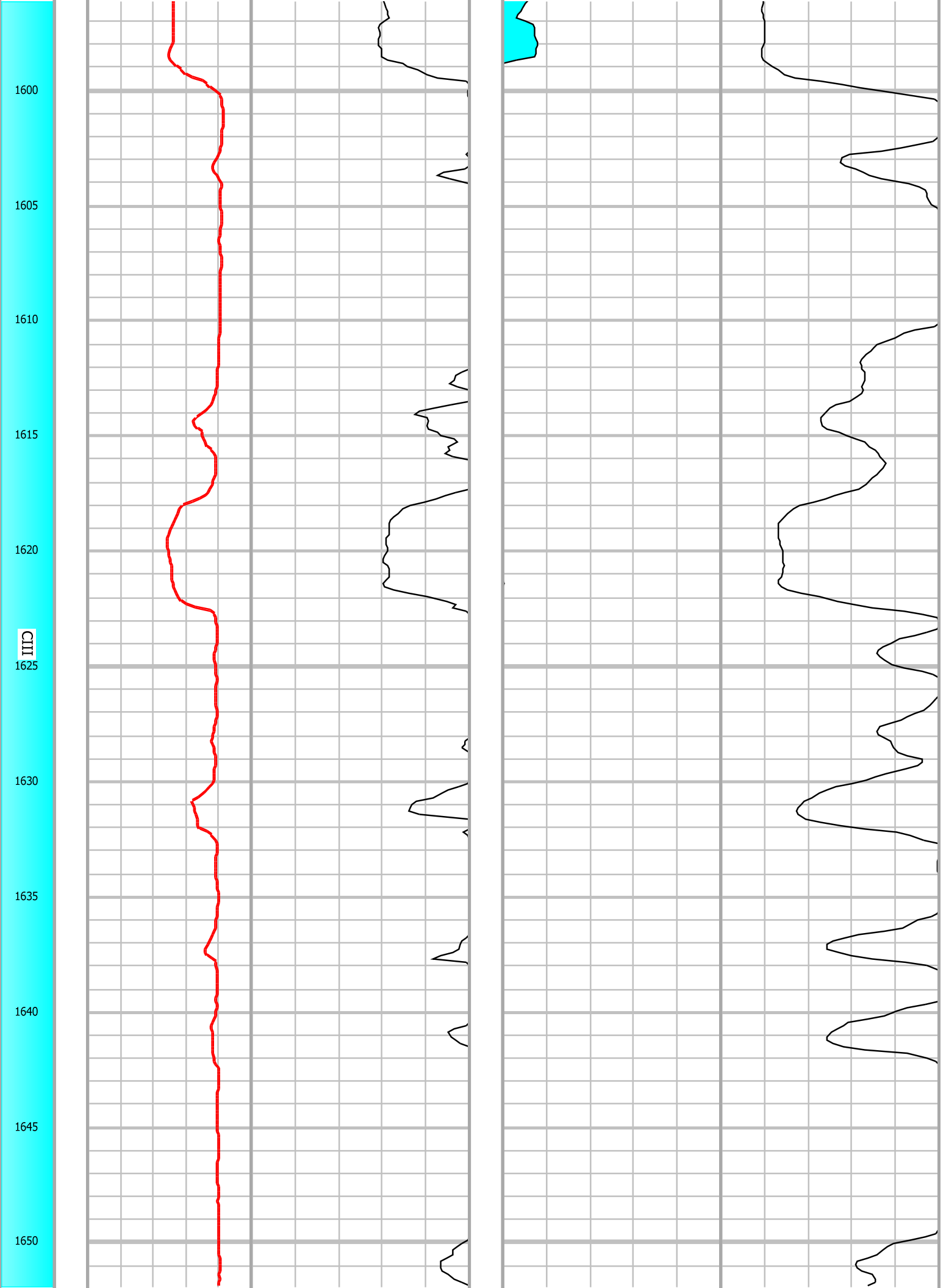
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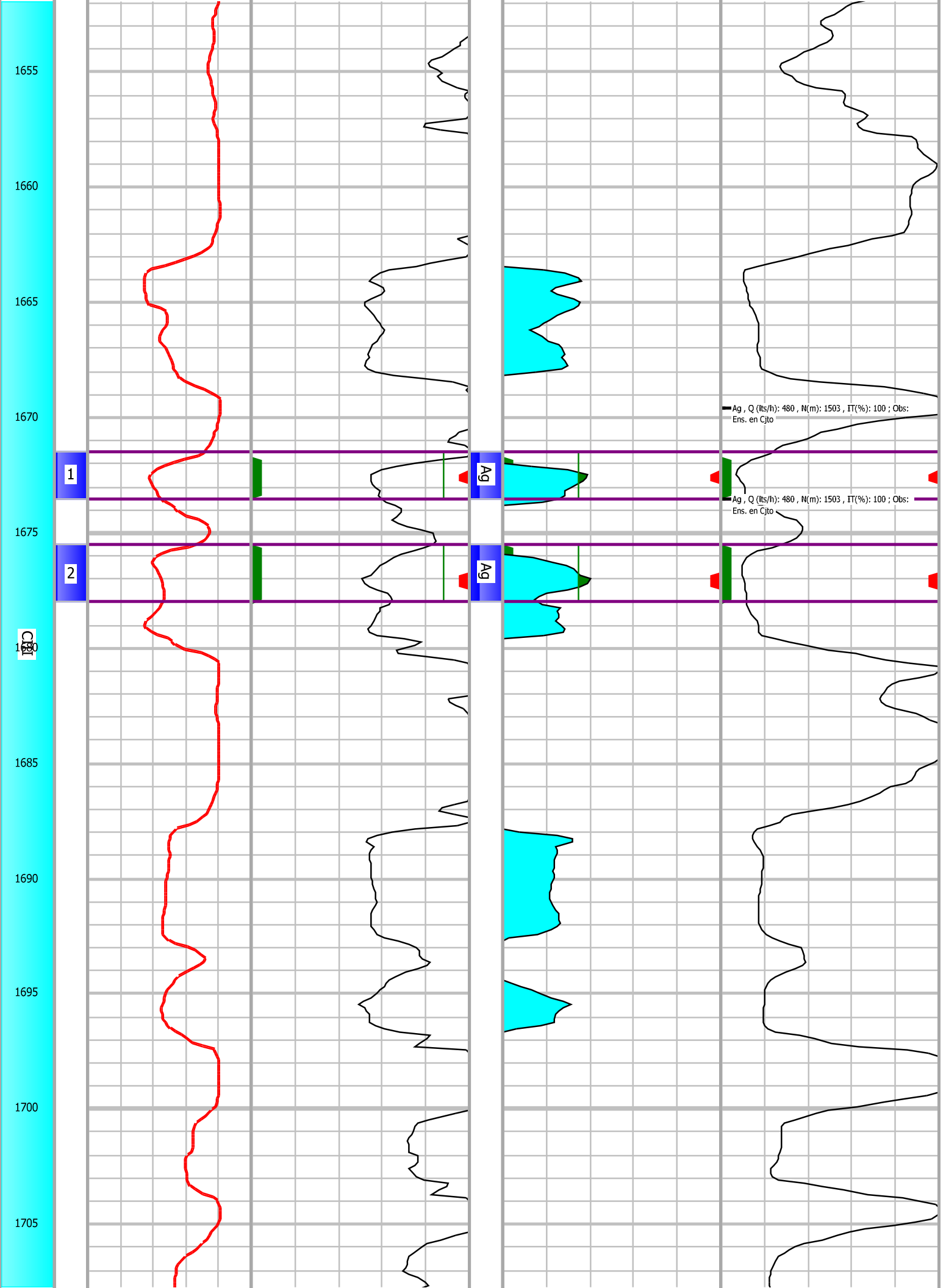
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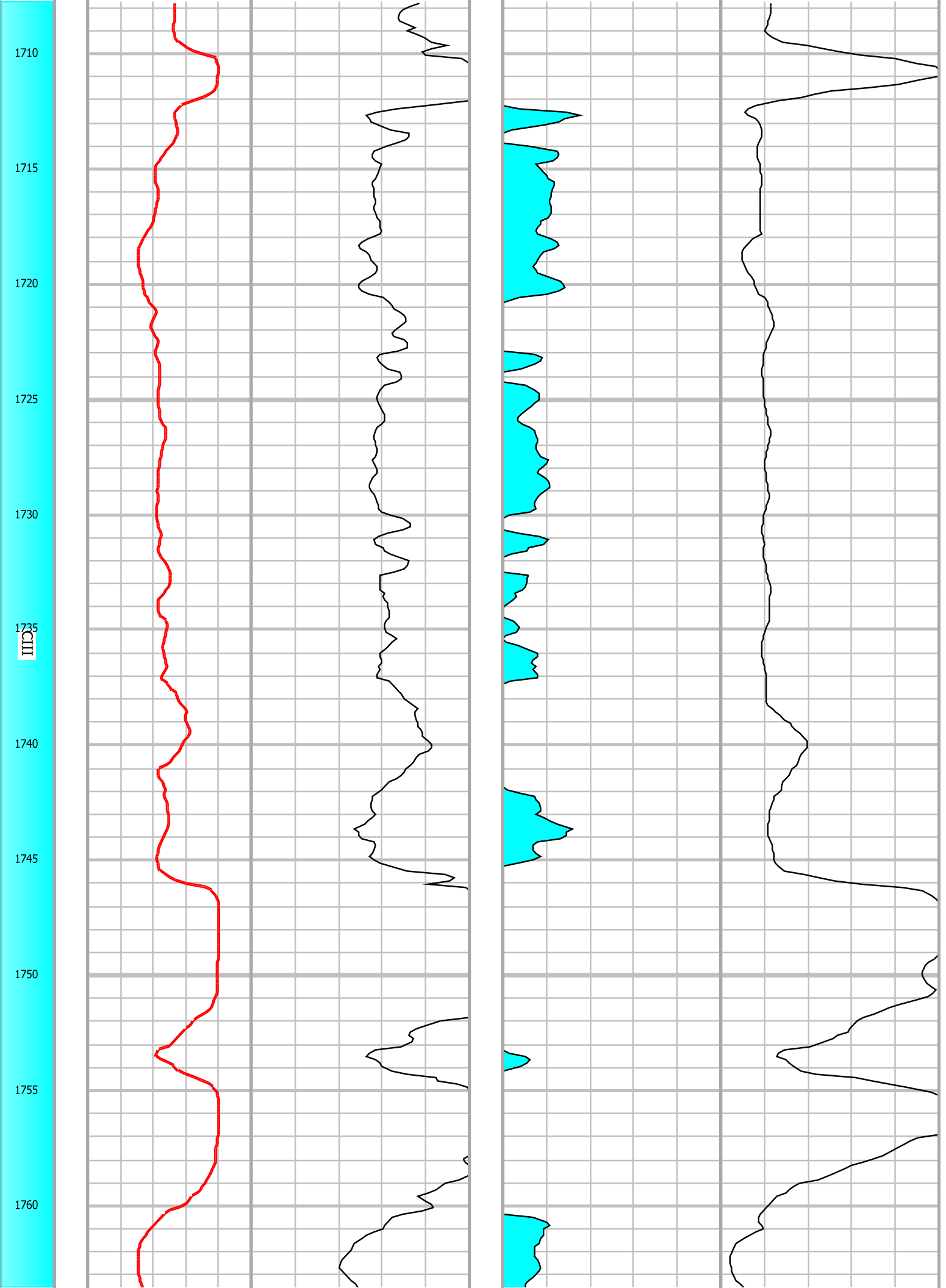
CHII

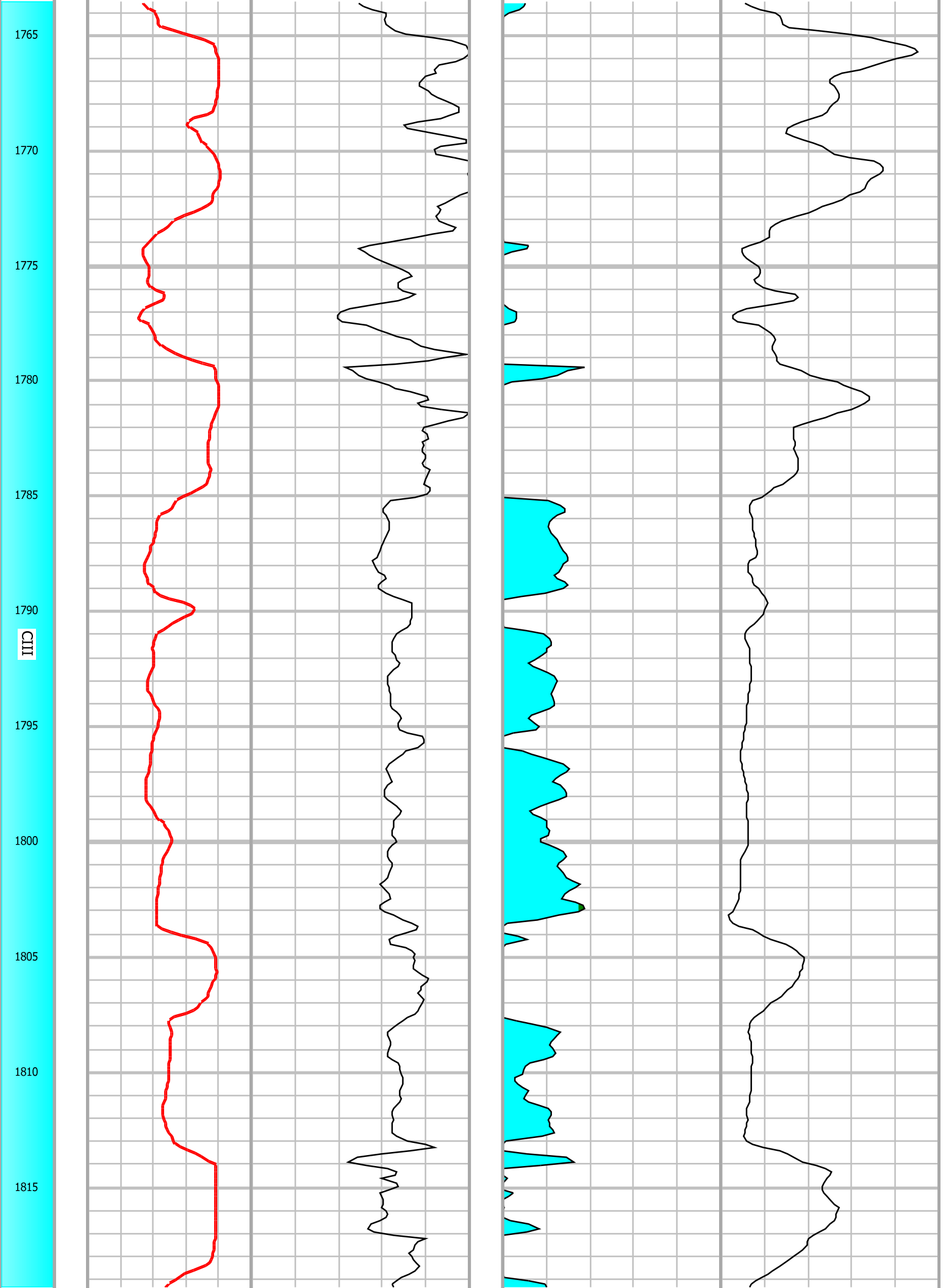


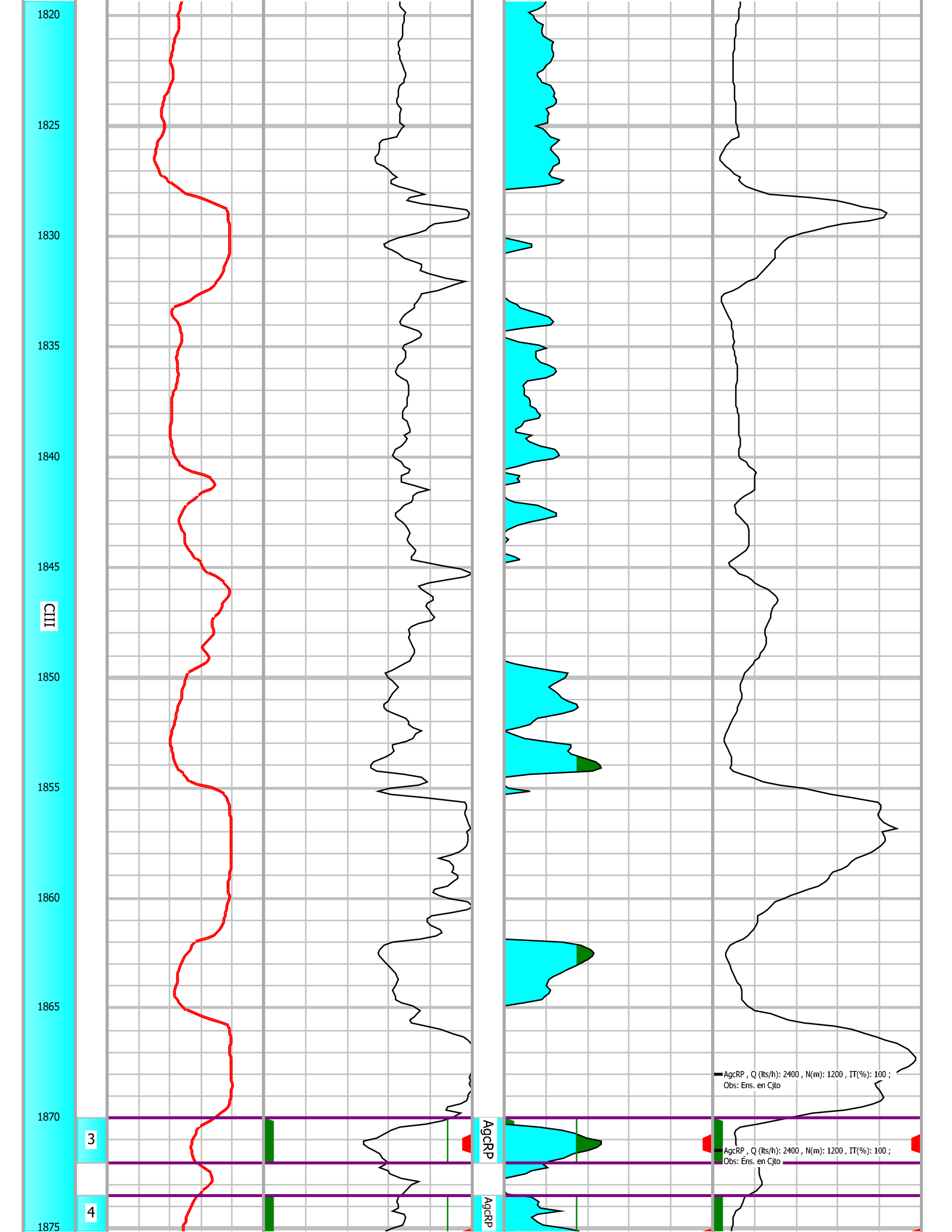












1880

1885

1890

1895

1900

1905

1910

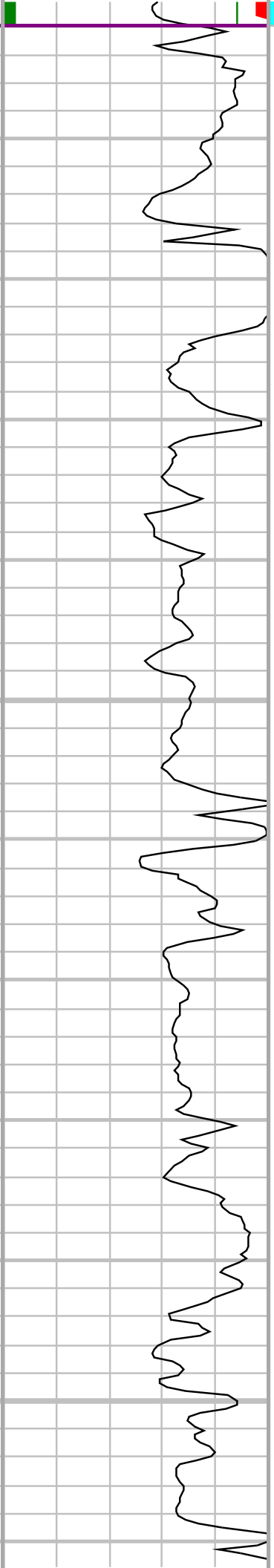
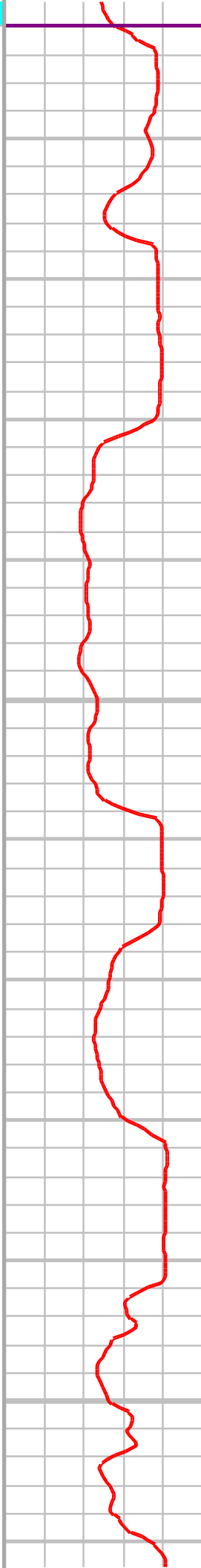
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1920

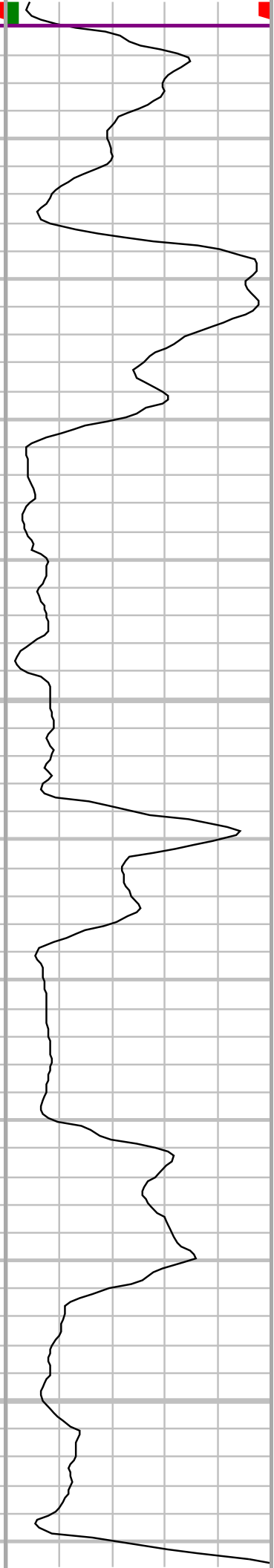
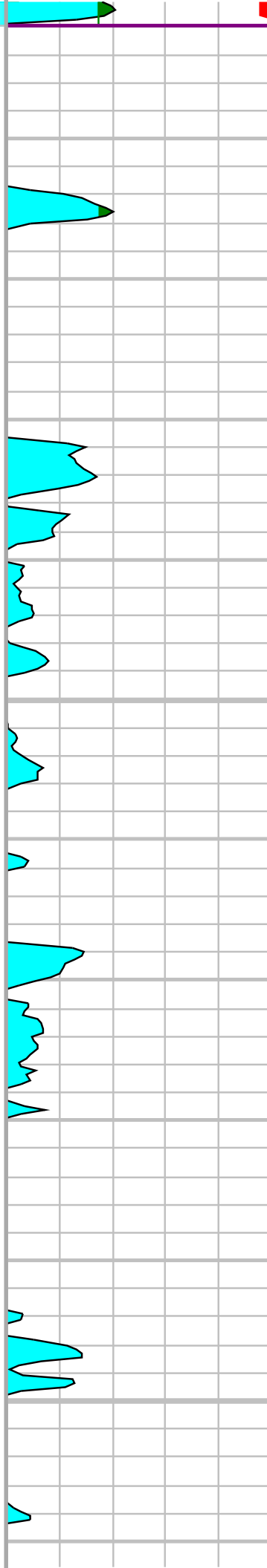
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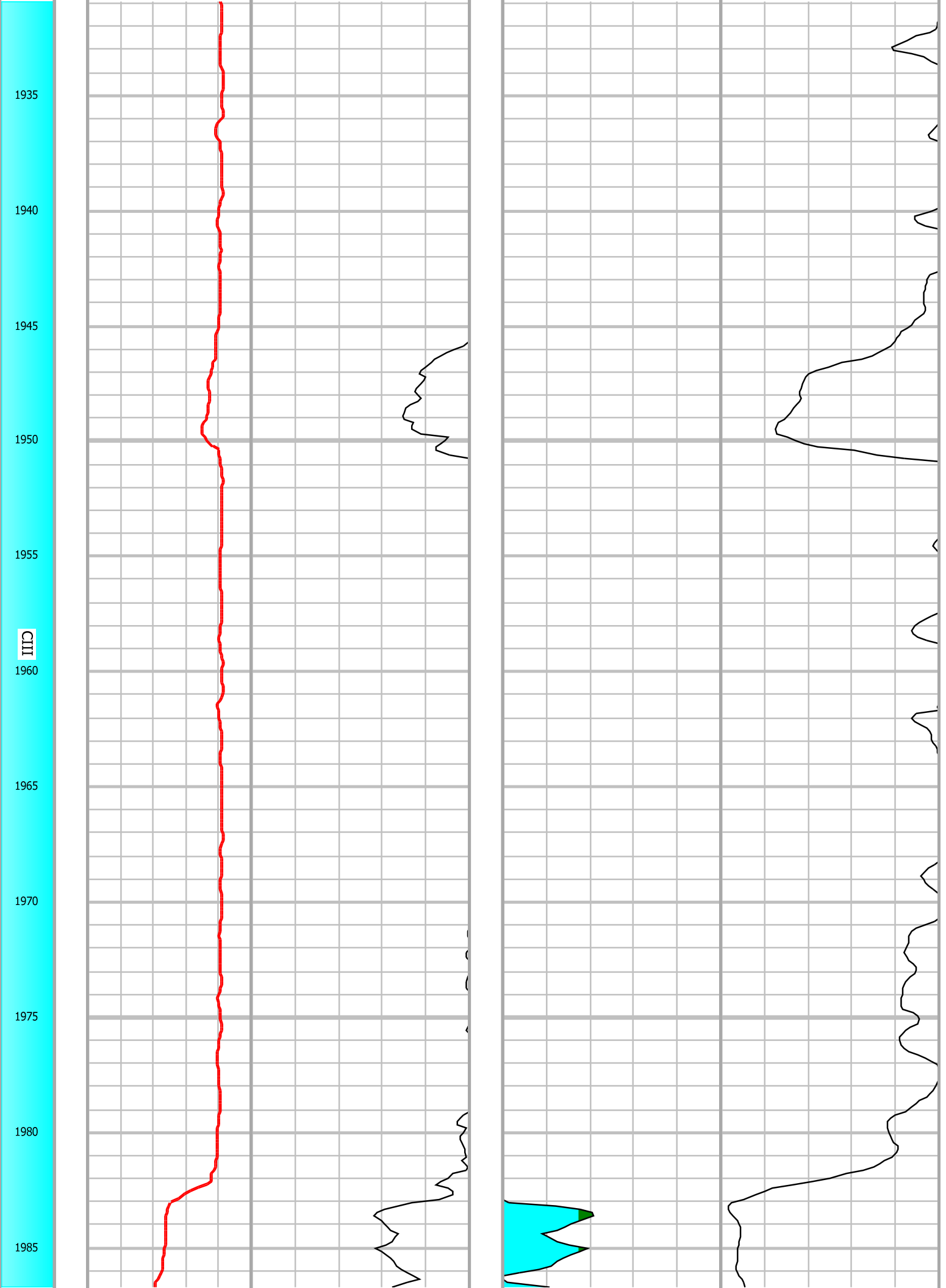
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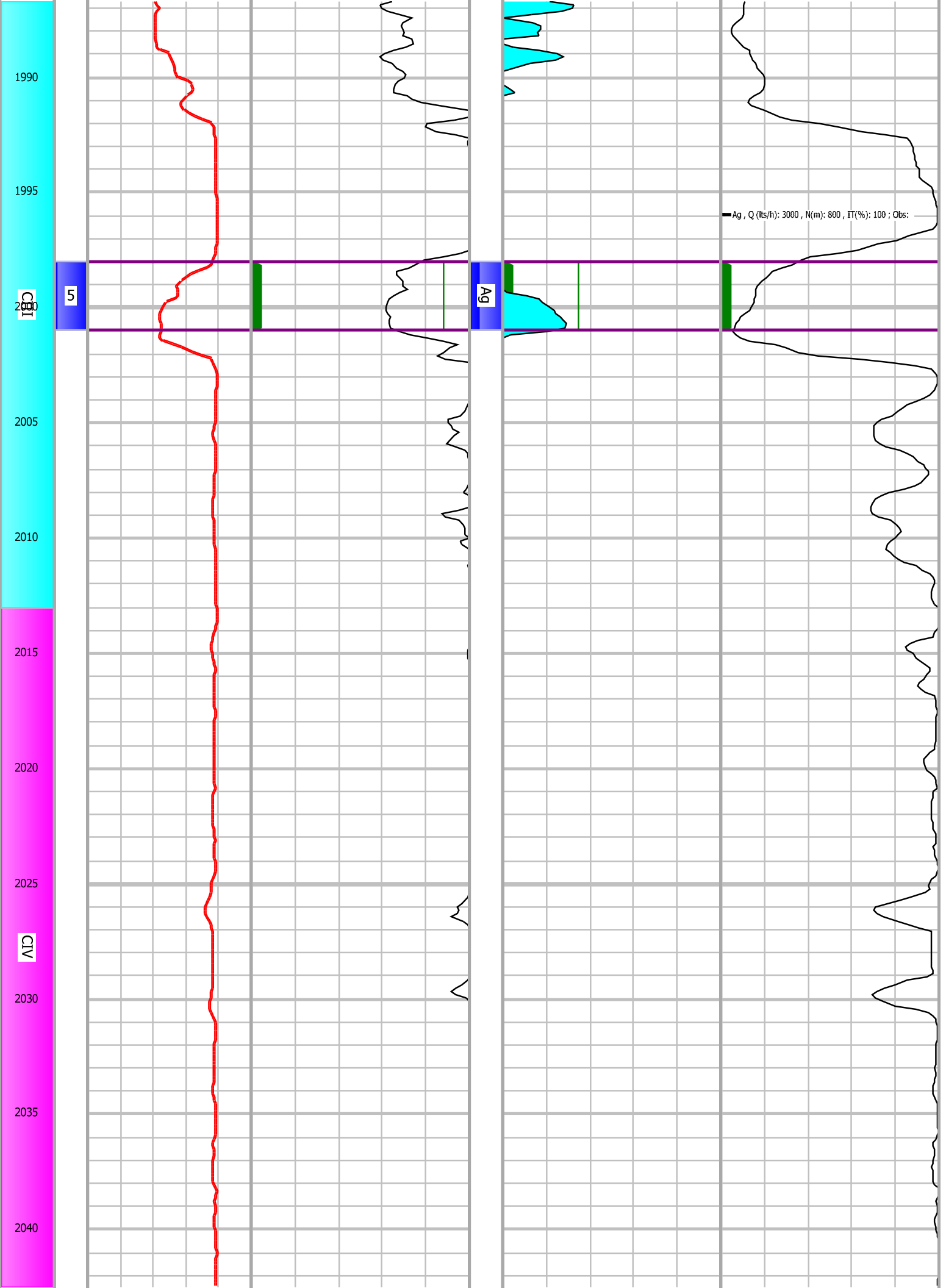
CHII



gCRP







2045

2050

2055

2060

2065

2070

2075

2080

2085

2090

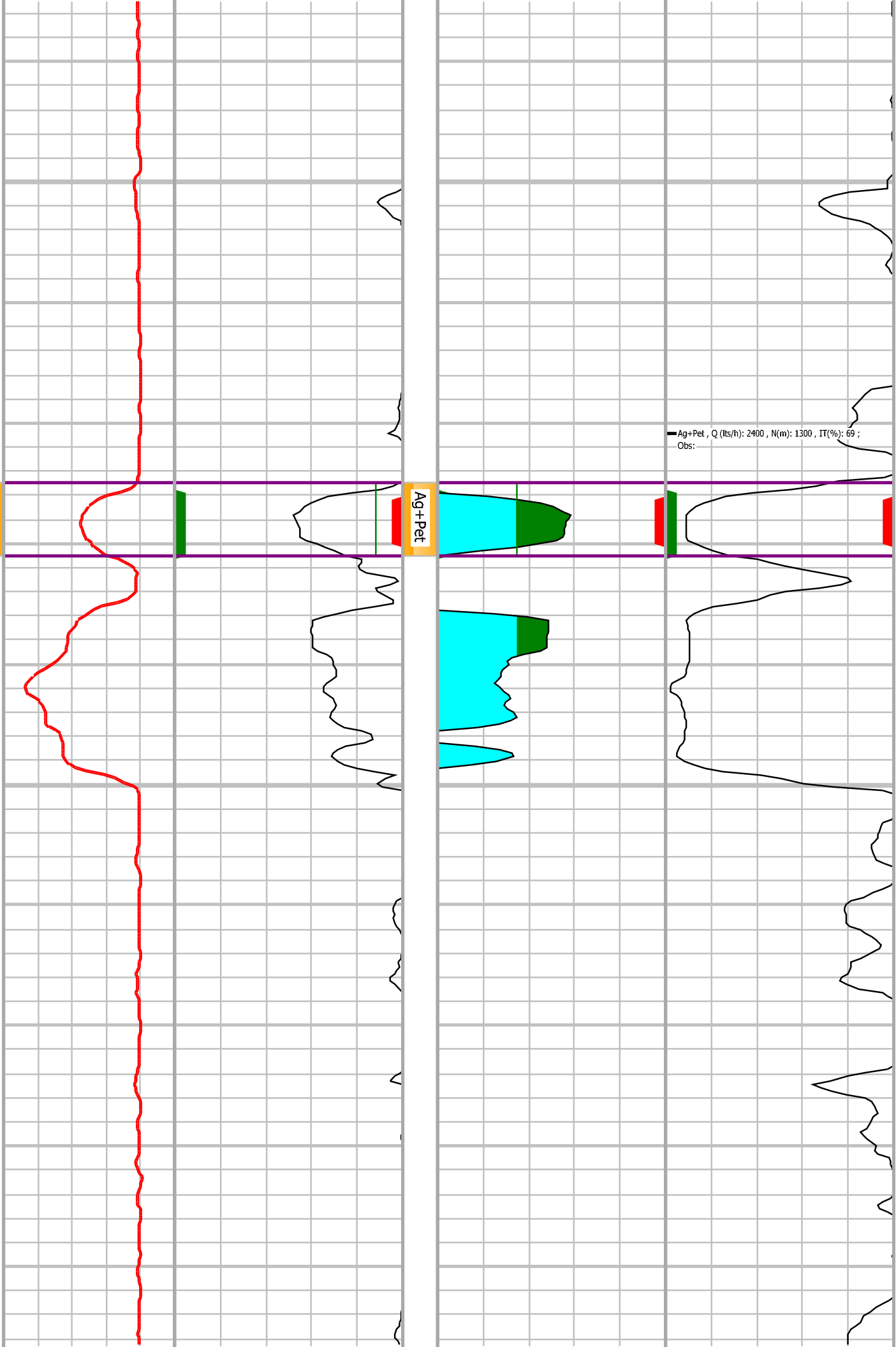
2095

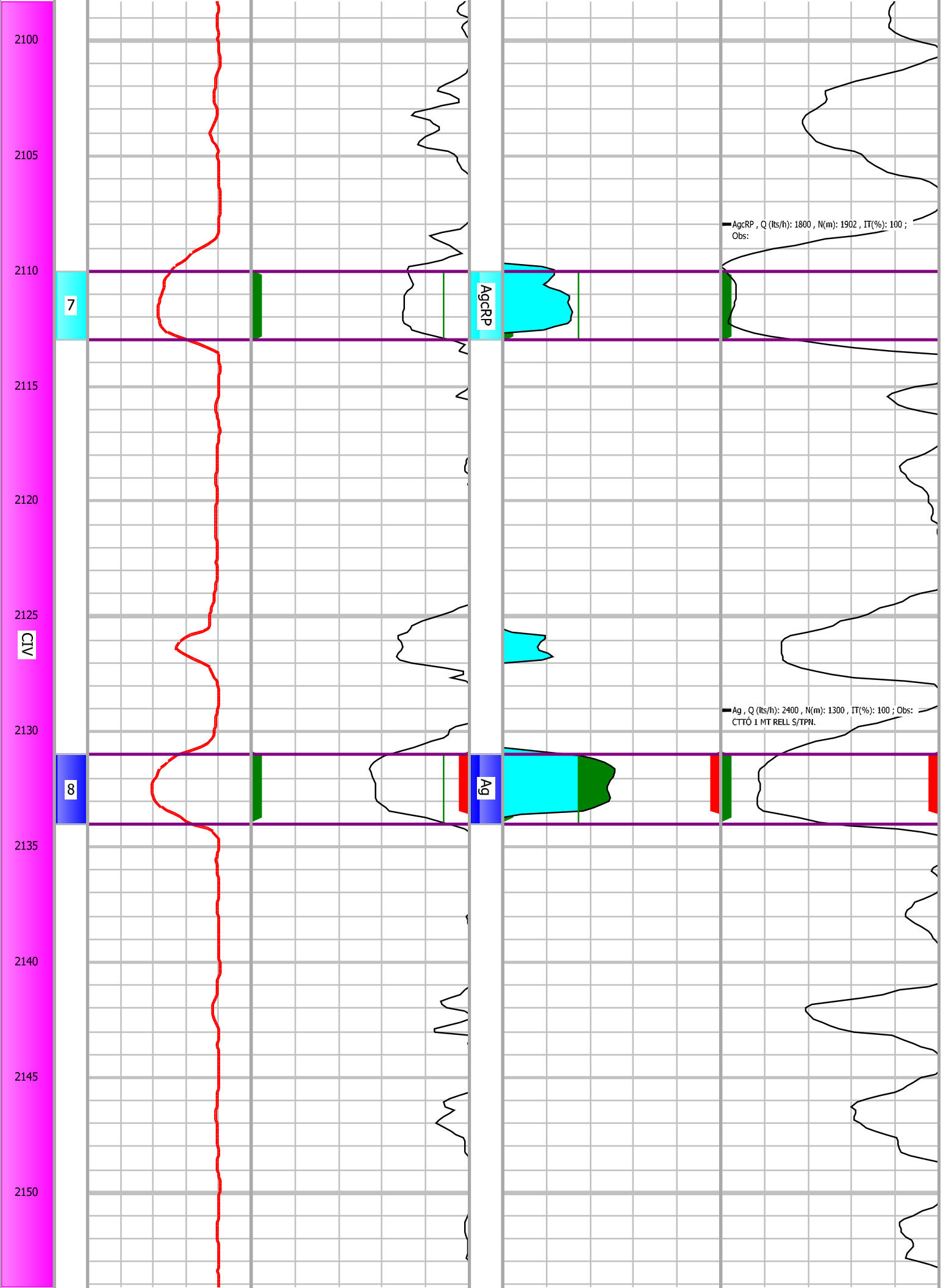
6

IV

Ag+Pet

Ag+Pet, Q (lts/h): 2400, N(m): 1300, IT(%): 69 ;
Obs:





2100

2105

2110

2115

2120

2125

2130

2135

2140

2145

2150

7

Clv

8

AgCRP

Ag

AgCRP, Q (lts/h): 1800, N(m): 1902, IT(%): 100 ; Obs:

Ag, Q (lts/h): 2400, N(m): 1300, IT(%): 100 ; Obs: CTTÓ I MT RELL S/TPN.

2155

2160

2165

2170

2175

2180

CIV

2185

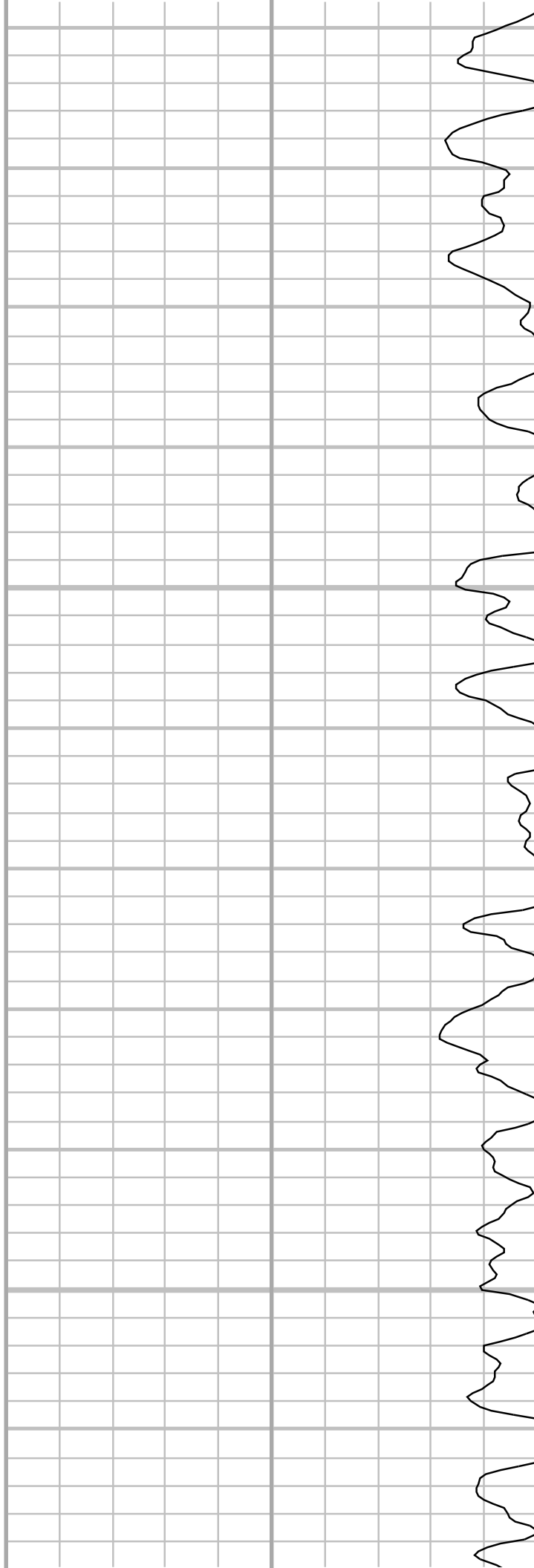
2190

2195

2200

2205

2210



2210

2215

2220

2225

2230

2235

2240

2245

2250

2255

2260

2265

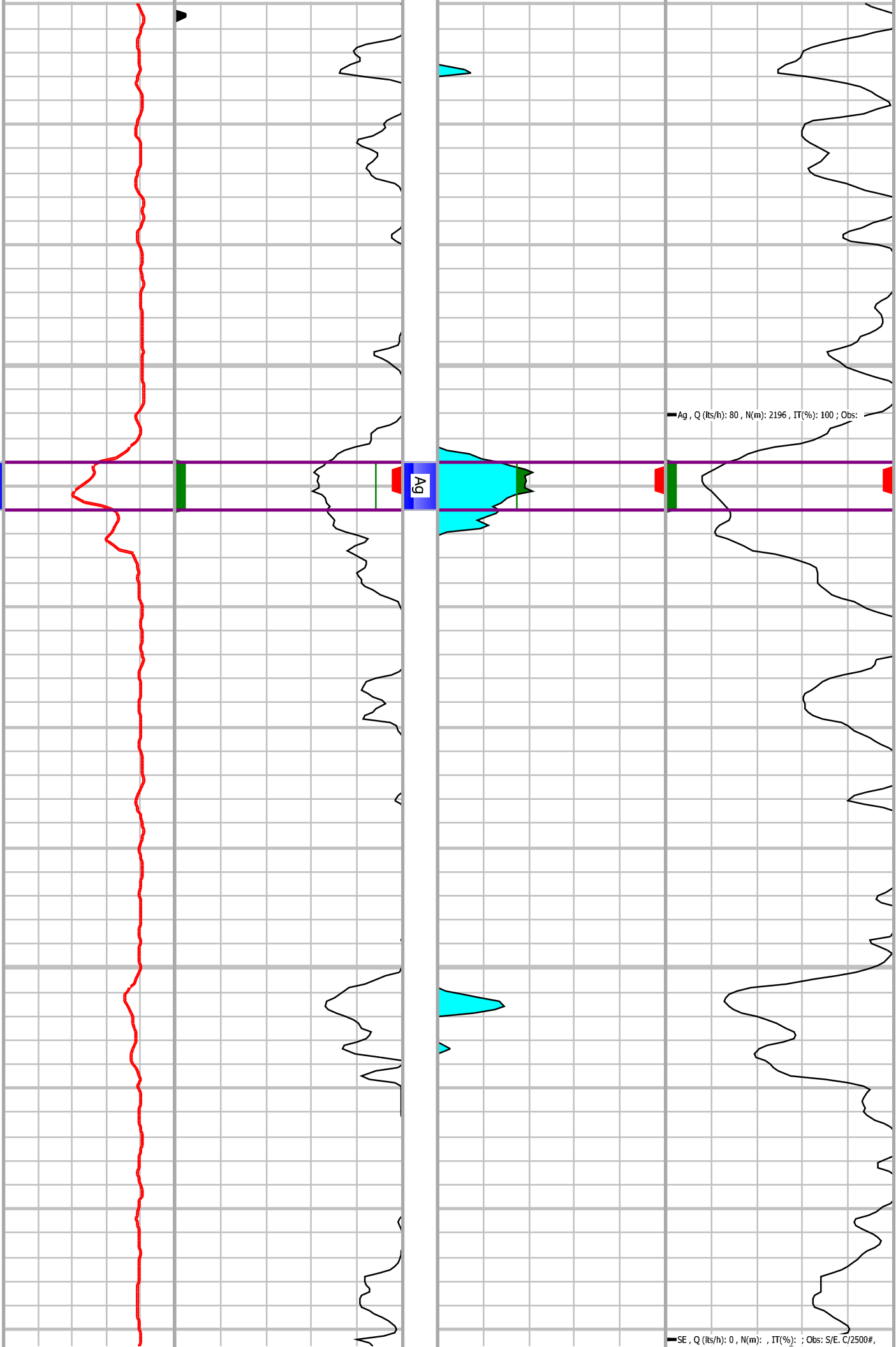
CIV

9

Ag

Ag, Q (lts/h): 80, N(m): 2196, IT(%): 100 ; Obs:

SE, Q (lts/h): 0, N(m): , IT(%): ; Obs: S/E. C/2500#



NO ADMITE.

10

SE

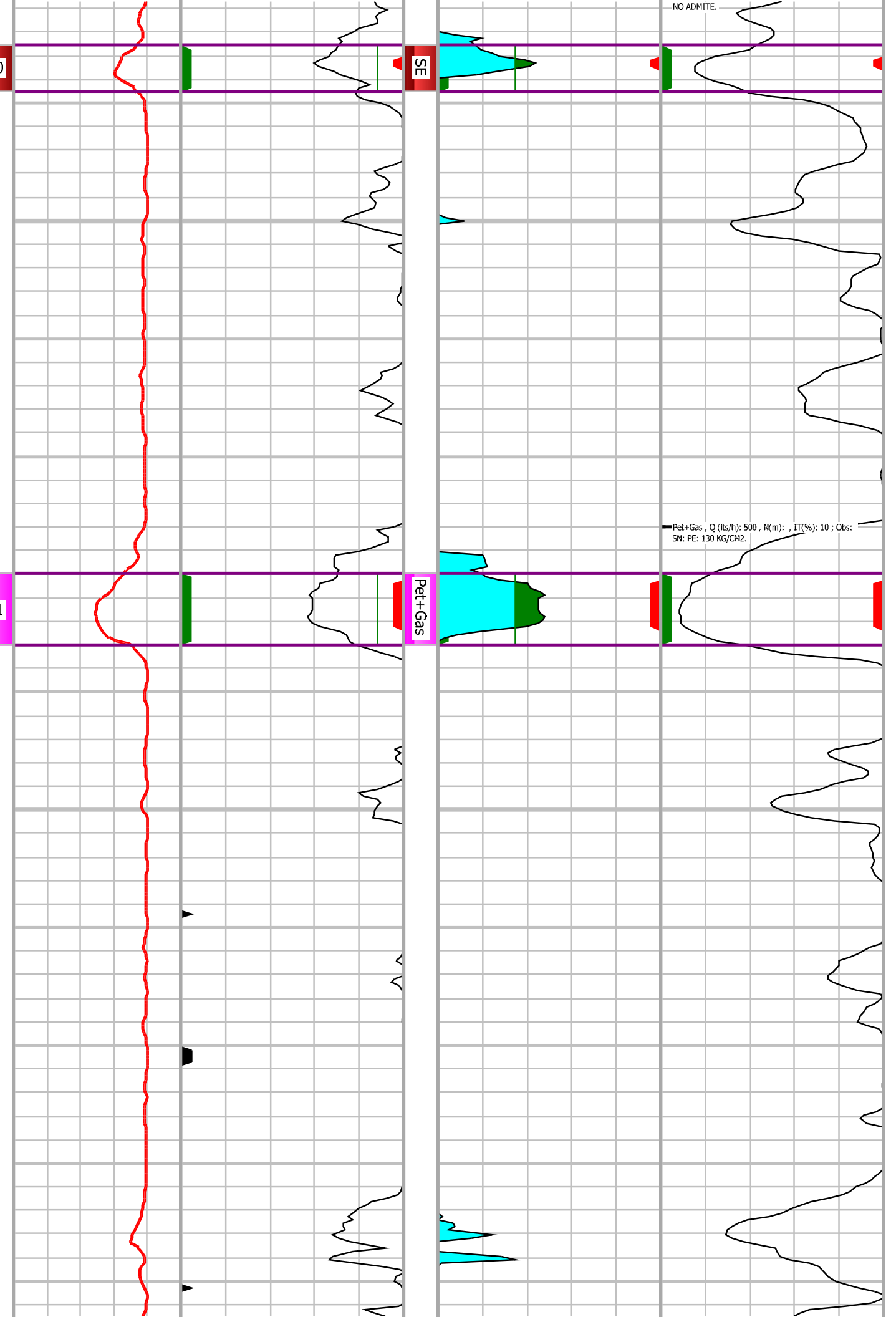
11

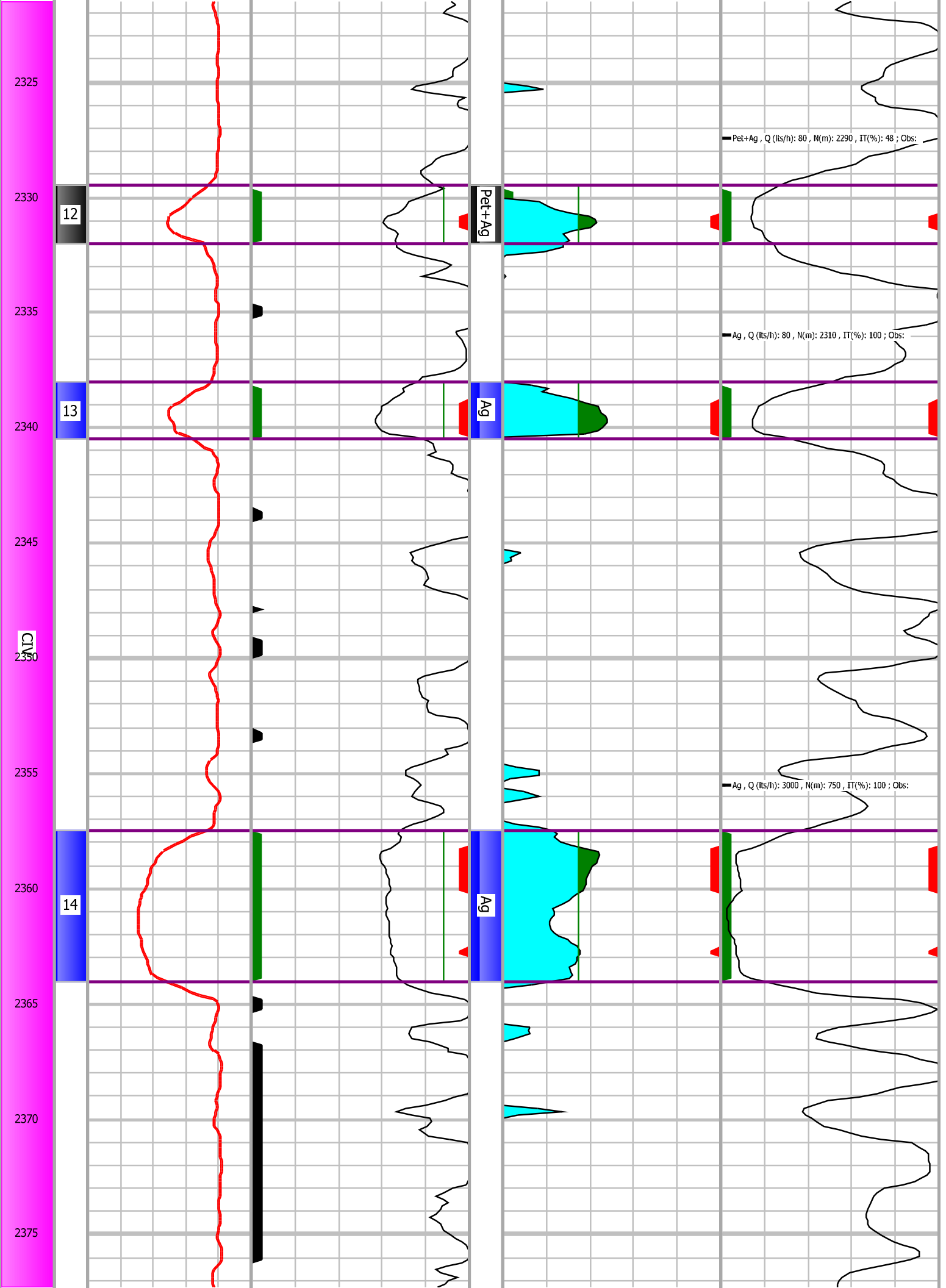
Pet+Gas

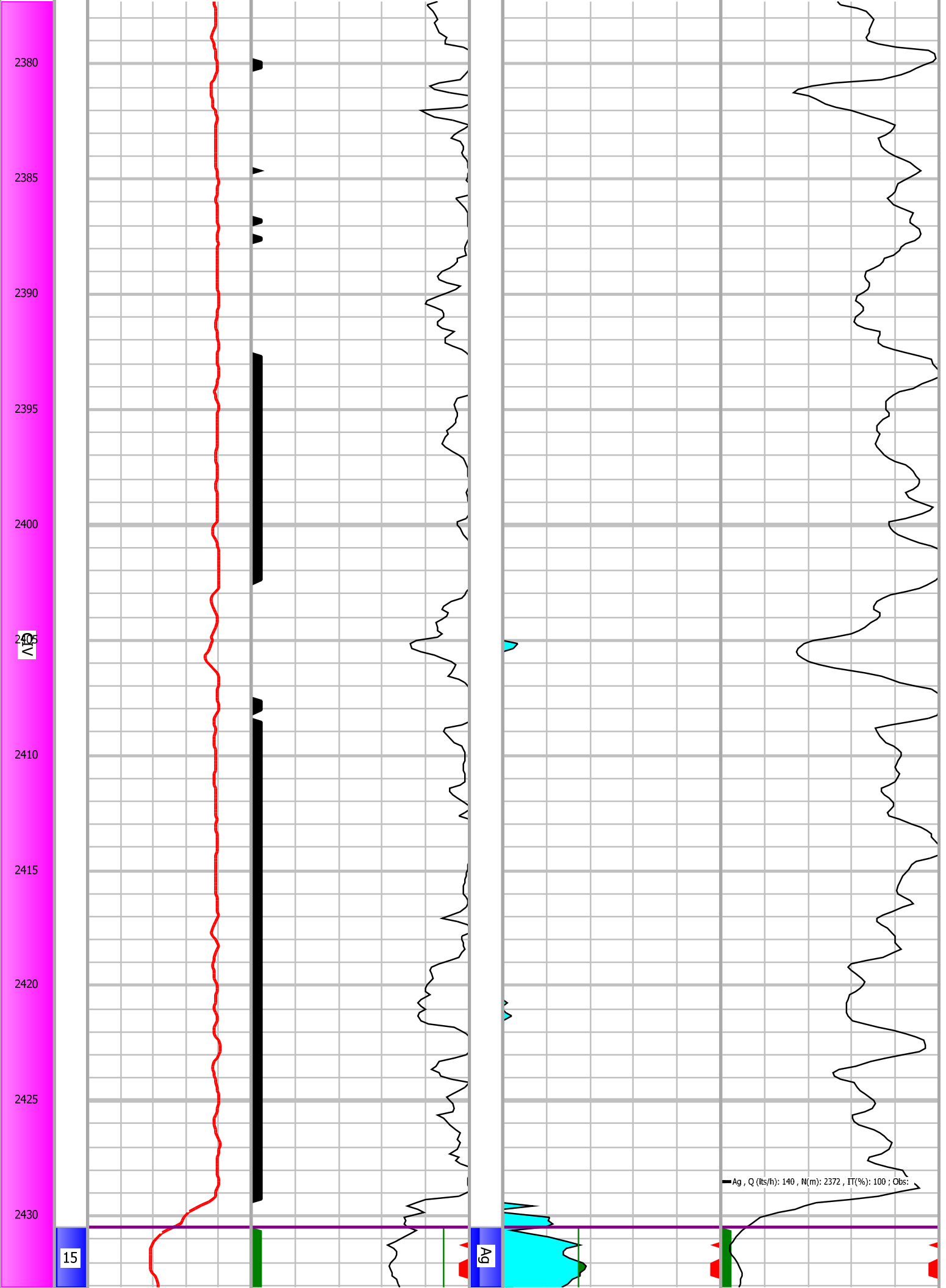
2270
2275
2280
2285
2290
2295
300
305
310
315
320

CV

Pet+Gas, Q (lts/h): 500, N(m): , IT(%): 10 ; Obs:
SN: PE: 130 KG/CM2.







15

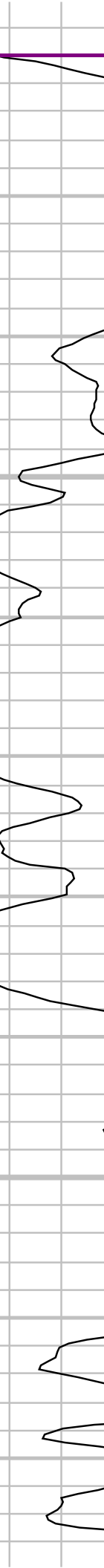
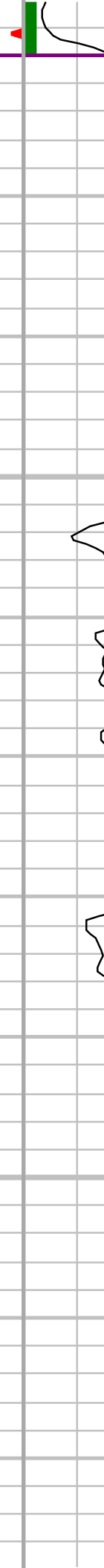
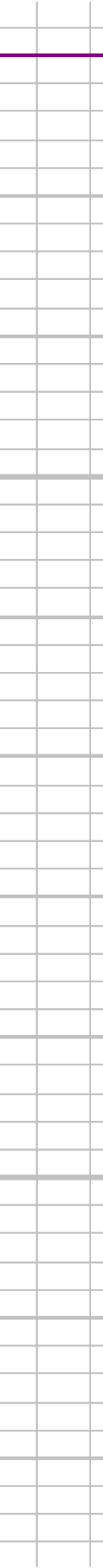
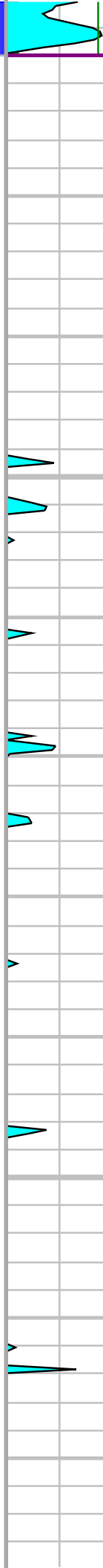
2435
2440
2445
2450
2455
2460
2465
2470
2475
2480
2485

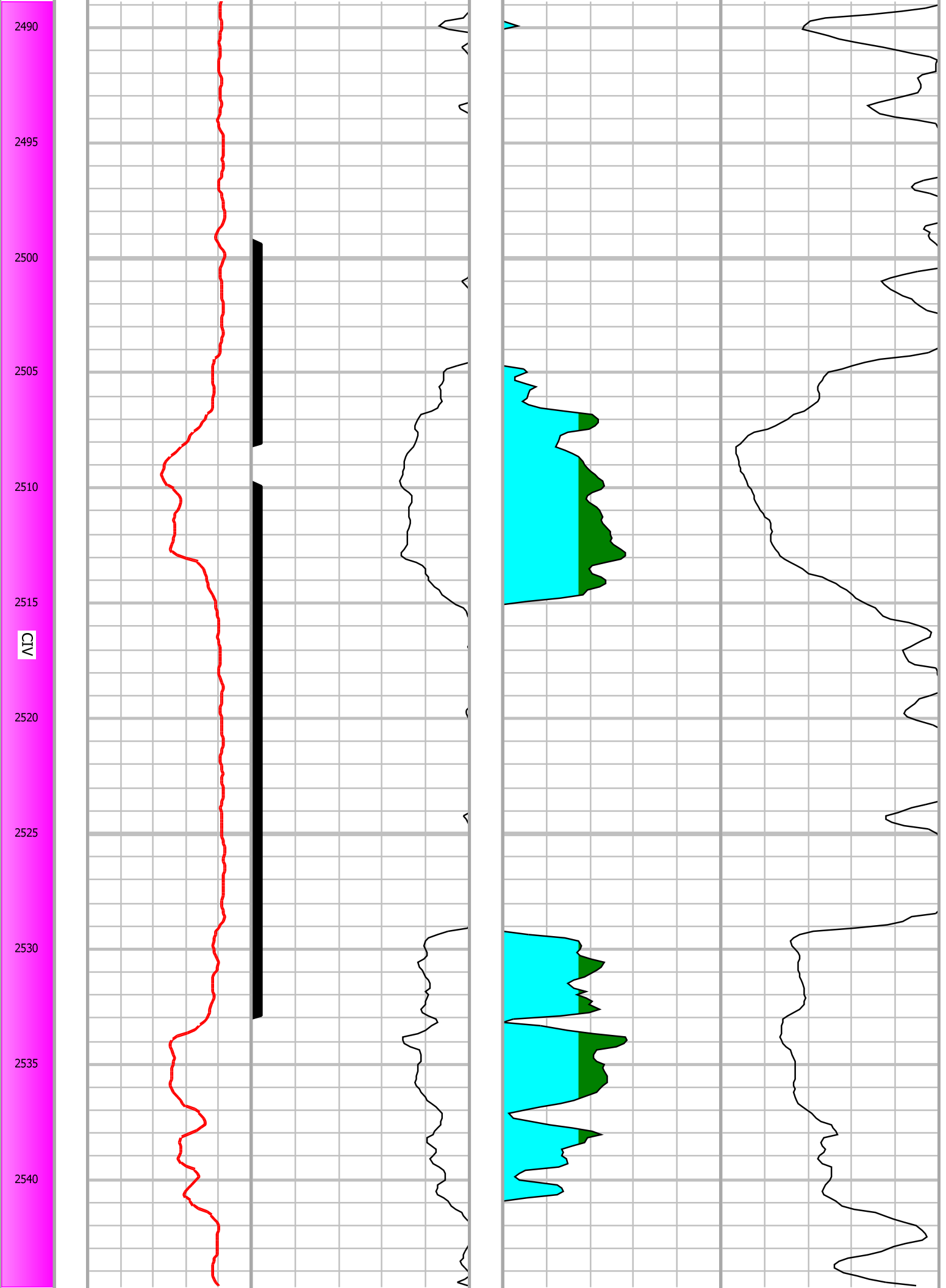
CIV

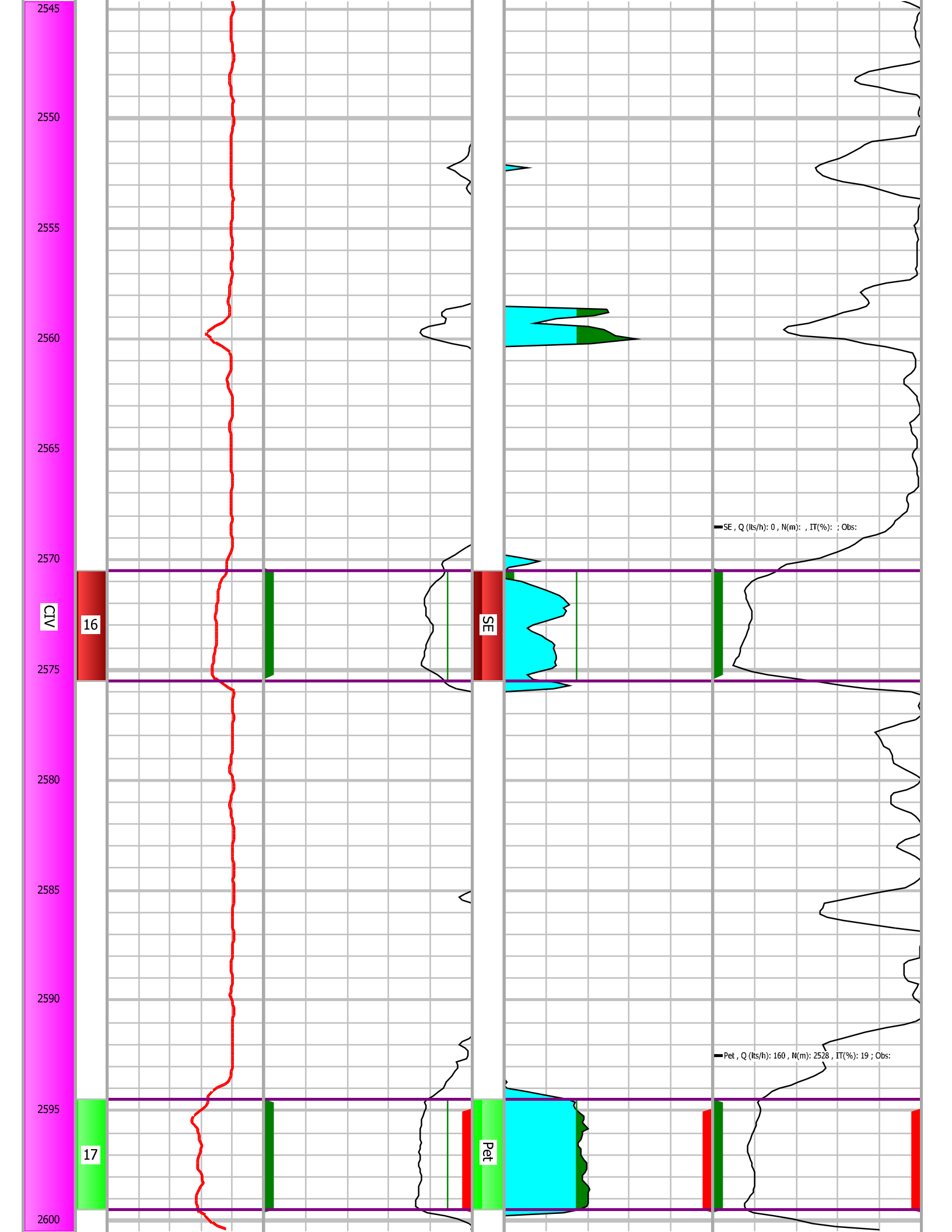


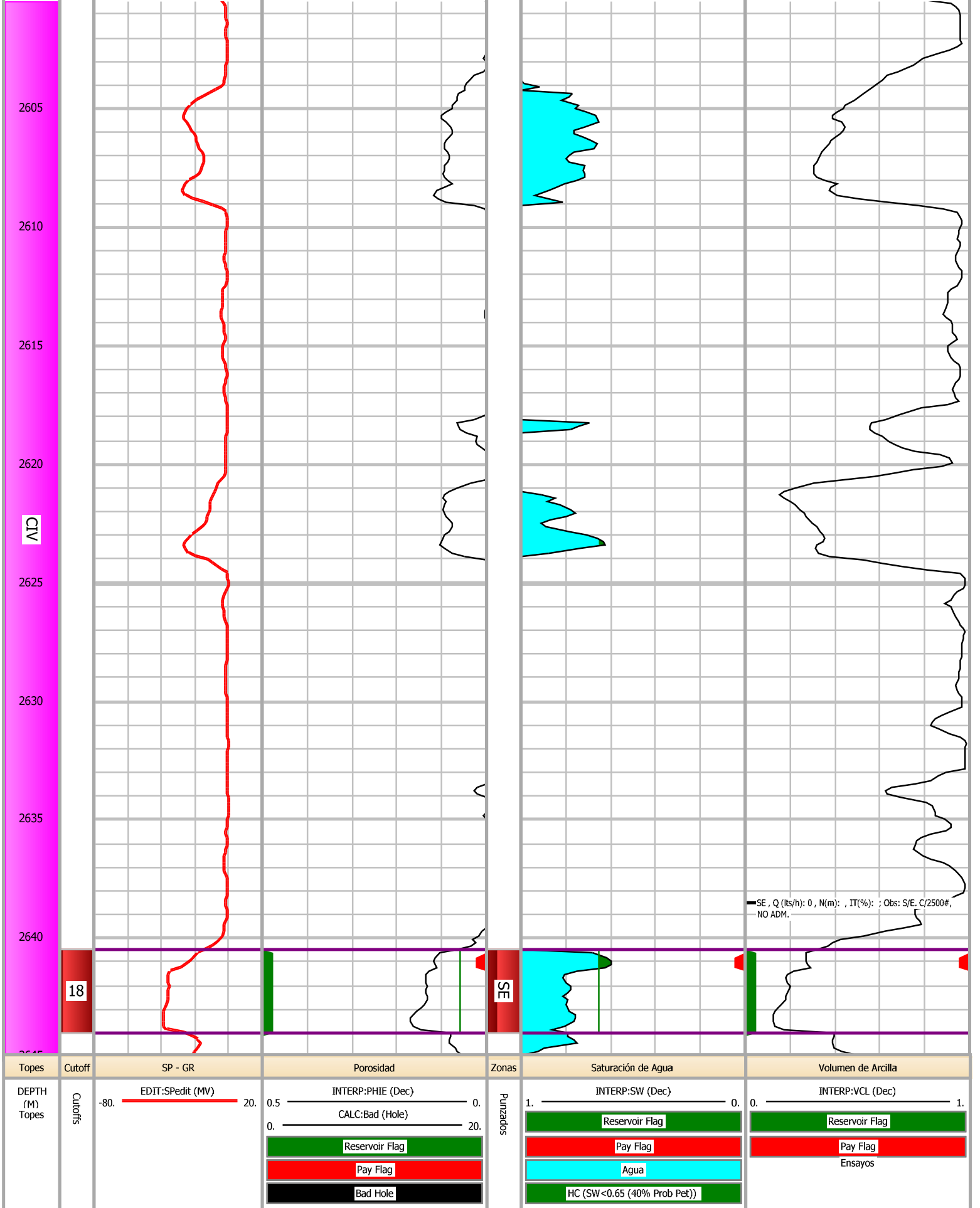
Ag

2435
2440
2445
2450
2455
2460
2465
2470
2475
2480
2485









Reservorio y Neto

Company ASTRA
 Well Name YPF.Ch.APC-406
 Field Escalante
 Country _____ State _____
 Location _____

Petrophysical Zone Averages Report

Reservoir Summary

Zn #	Zone Name	Top	Bottom	Gross	Net	N/G	Av Phi	Av Sw	Av Vcl Ari	Phi*H	PhiSo*H
1	Ag	1671.50	1673.50	2.00	1.74	0.872	0.190	0.714	0.100	0.33	0.09
2	Ag	1675.50	1678.00	2.50	2.50	1.000	0.190	0.750	0.125	0.47	0.12
3	AgcRP	1870.00	1872.00	2.00	1.97	0.985	0.203	0.670	0.146	0.40	0.13
4	AgcRP	1873.50	1876.00	2.50	2.50	1.000	0.185	0.766	0.117	0.46	0.11
5	Ag	1998.00	2001.00	3.00	3.00	1.000	0.168	0.869	0.164	0.50	0.07
6	Ag+Pet	2062.50	2065.50	3.00	2.69	0.895	0.199	0.539	0.151	0.54	0.25
7	AgcRP	2110.00	2113.00	3.00	2.95	0.985	0.138	0.751	0.072	0.41	0.10
8	Ag	2131.00	2134.00	3.00	2.83	0.944	0.203	0.558	0.200	0.58	0.25
9	Ag	2229.00	2231.00	2.00	2.00	1.000	0.179	0.651	0.211	0.36	0.12
10	SE	2267.50	2269.50	2.00	1.86	0.930	0.145	0.763	0.245	0.27	0.06
11	Pet+Gas	2290.00	2293.00	3.00	3.00	1.000	0.181	0.632	0.140	0.54	0.20
12	Pet+Ag	2329.50	2332.00	2.50	2.35	0.939	0.155	0.718	0.171	0.36	0.10
13	Ag	2338.00	2340.50	2.50	2.30	0.919	0.186	0.624	0.212	0.43	0.16
14	Ag	2357.50	2364.00	6.50	6.50	1.000	0.182	0.677	0.089	1.18	0.38
15	Ag	2430.50	2435.00	4.50	4.50	1.000	0.160	0.729	0.100	0.72	0.20
16	SE	2570.50	2575.50	5.00	4.84	0.967	0.103	0.792	0.169	0.50	0.10
17	Pet	2594.50	2599.50	5.00	5.00	1.000	0.124	0.621	0.193	0.62	0.24
18	SE	2640.50	2644.00	3.50	3.50	1.000	0.134	0.761	0.200	0.47	0.11
All Zones		1671.50	2644.00	57.50	56.03	0.974	0.163	0.693	0.151	9.14	2.80

Pay Summary

Zn #	Zone Name	Top	Bottom	Gross	Net	N/G	Av Phi	Av Sw	Av Vcl Ari	Phi*H	PhiSo*H
1	Ag	1671.50	1673.50	2.00	0.46	0.229	0.226	0.621	0.080	0.10	0.04
2	Ag	1675.50	1678.00	2.50	0.61	0.244	0.235	0.623	0.106	0.14	0.05
3	AgcRP	1870.00	1872.00	2.00	0.76	0.381	0.247	0.565	0.115	0.19	0.08
4	AgcRP	1873.50	1876.00	2.50	0.61	0.244	0.215	0.616	0.086	0.13	0.05
5	Ag	1998.00	2001.00	3.00	0.00	0.000	---	---	---	---	---
6	Ag+Pet	2062.50	2065.50	3.00	1.98	0.660	0.218	0.474	0.113	0.43	0.23
7	AgcRP	2110.00	2113.00	3.00	0.00	0.000	---	---	---	---	---
8	Ag	2131.00	2134.00	3.00	2.53	0.843	0.213	0.530	0.185	0.54	0.25
9	Ag	2229.00	2231.00	2.00	1.07	0.533	0.188	0.607	0.180	0.20	0.08
10	SE	2267.50	2269.50	2.00	0.46	0.229	0.193	0.588	0.174	0.09	0.04
11	Pet+Gas	2290.00	2293.00	3.00	1.98	0.660	0.203	0.552	0.105	0.40	0.18
12	Pet+Ag	2329.50	2332.00	2.50	0.61	0.244	0.192	0.586	0.145	0.12	0.05
13	Ag	2338.00	2340.50	2.50	1.52	0.610	0.203	0.557	0.165	0.31	0.14
14	Ag	2357.50	2364.00	6.50	2.29	0.352	0.190	0.601	0.084	0.43	0.17
15	Ag	2430.50	2435.00	4.50	1.22	0.271	0.180	0.636	0.087	0.22	0.08
16	SE	2570.50	2575.50	5.00	0.00	0.000	---	---	---	---	---
17	Pet	2594.50	2599.50	5.00	4.50	0.901	0.125	0.616	0.189	0.56	0.22
18	SE	2640.50	2644.00	3.50	0.61	0.174	0.114	0.609	0.279	0.07	0.03
All Zones		1671.50	2644.00	57.50	21.21	0.369	0.186	0.573	0.145	3.94	1.68

Cutoffs Used

Zn #	Zone Name	Top	Bottom	Min. Height	Phi INTERP:PHIE	Sw INTERP:SW	Vcl INTERP:VCL
Reservoir							
1	Ag	1671.50	1673.50	0	>= 0.06		<= 0.4
2	Ag	1675.50	1678.00	0	>= 0.06		<= 0.4
3	AgcRP	1870.00	1872.00	0	>= 0.06		<= 0.4
4	AgcRP	1873.50	1876.00	0	>= 0.06		<= 0.4
5	Ag	1998.00	2001.00	0	>= 0.06		<= 0.4
6	Ag+Pet	2062.50	2065.50	0	>= 0.06		<= 0.4
7	AgcRP	2110.00	2113.00	0	>= 0.06		<= 0.4
8	Ag	2131.00	2134.00	0	>= 0.06		<= 0.4
9	Ag	2229.00	2231.00	0	>= 0.06		<= 0.4
10	SE	2267.50	2269.50	0	>= 0.06		<= 0.4
11	Pet+Gas	2290.00	2293.00	0	>= 0.06		<= 0.4
12	Pet+Ag	2329.50	2332.00	0	>= 0.06		<= 0.4
13	Ag	2338.00	2340.50	0	>= 0.06		<= 0.4
14	Ag	2357.50	2364.00	0	>= 0.06		<= 0.4
15	Ag	2430.50	2435.00	0	>= 0.06		<= 0.4
16	SE	2570.50	2575.50	0	>= 0.06		<= 0.4
17	Pet	2594.50	2599.50	0	>= 0.06		<= 0.4
18	SE	2640.50	2644.00	0	>= 0.06		<= 0.4
Pay							
1	Ag	1671.50	1673.50	0	>= 0.06	<= 0.65	<= 0.4
2	Ag	1675.50	1678.00	0	>= 0.06	<= 0.65	<= 0.4
3	AgcRP	1870.00	1872.00	0	>= 0.06	<= 0.65	<= 0.4

4	AgcRP	1873.50	1876.00	0	>= 0.06	<= 0.65	<= 0.4
5	Ag	1998.00	2001.00	0	>= 0.06	<= 0.65	<= 0.4
6	Ag+Pet	2062.50	2065.50	0	>= 0.06	<= 0.65	<= 0.4
7	AgcRP	2110.00	2113.00	0	>= 0.06	<= 0.65	<= 0.4
8	Ag	2131.00	2134.00	0	>= 0.06	<= 0.65	<= 0.4
9	Ag	2229.00	2231.00	0	>= 0.06	<= 0.65	<= 0.4
10	SE	2267.50	2269.50	0	>= 0.06	<= 0.65	<= 0.4
11	Pet+Gas	2290.00	2293.00	0	>= 0.06	<= 0.65	<= 0.4
12	Pet+Ag	2329.50	2332.00	0	>= 0.06	<= 0.65	<= 0.4
13	Ag	2338.00	2340.50	0	>= 0.06	<= 0.65	<= 0.4
14	Ag	2357.50	2364.00	0	>= 0.06	<= 0.65	<= 0.4
15	Ag	2430.50	2435.00	0	>= 0.06	<= 0.65	<= 0.4
16	SE	2570.50	2575.50	0	>= 0.06	<= 0.65	<= 0.4
17	Pet	2594.50	2599.50	0	>= 0.06	<= 0.65	<= 0.4
18	SE	2640.50	2644.00	0	>= 0.06	<= 0.65	<= 0.4

Depth Units : m

CLAY VOLUME PARAMETERS

Top	SP Clean	Res Clean
Bottom	SP Clay	Res Clay
1184	-27	3.38
1304	0	1.08
1304	-24	3.12
1416	-1	1.19
1416	-38	7.27
1530	-1	1.37
1530	-54	15
1746	-1	1.24
1746	-51	16.1
1857	0	1.4
1857	-44	17.5
2013	0	1.25
2013	-68	21.4
2205	-1	1.55
2205	-50	15.4
2470	-1	1.65
2470	-44	16.4
2653	1	3.18
2653	-66.6	21.5
2676	4.1	0.535

POROSITY WATER SATURATION PARAMETERS

Top	Phi Model	Rw	Rmf	"m"	"a"	Son Clay	Son Fluid	Son Eq.	Rwb	Rh Dry Clay
Bottom	Sw eq.	Rw temp.	Rmf temp.	"n"	OBM ?	Son Mat	Son HC		Rwb temp.	PhiT Clay
1184	Sonic	0.28	5.46	1.7	1	137	189	Wyllie	0.071	2.4
1304	Dual water	CALC:Temp	8.3	1.91	No	56	220		CALC:Temp	
1304	Sonic	0.275	5.46	1.7	1	137	189	Wyllie	0.069	2.42
1416	Dual water	CALC:Temp	8.3	1.91	No	56	220		CALC:Temp	
1416	Sonic	0.291	5.46	1.95	1	124	189	Wyllie	0.063	2.44
1530	Dual water	CALC:Temp	8.3	1.9	No	55	220		CALC:Temp	
1530	Sonic	0.315	5.46	1.95	1	122	189	Wyllie	0.063	2.441
1746	Dual water	CALC:Temp	8.3	1.9	No	55	220		CALC:Temp	
1746	Sonic	0.317	5.46	1.95	1	114	189	Wyllie	0.055	2.485
1857	Dual water	CALC:Temp	8.3	1.9	No	55	220		CALC:Temp	
1857	Sonic	0.315	5.46	1.95	1	108	189	Wyllie	0.049	2.54
2013	Dual water	CALC:Temp	8.3	1.9	No	54	220		CALC:Temp	
2013	Sonic	0.305	5.46	1.98	1	100	189	Wyllie	0.036	2.61
2205	Dual water	CALC:Temp	8.3	1.85	No	52	220		CALC:Temp	
2205	Sonic	0.303	5.46	1.98	1	95	189	Wyllie	0.031	2.623
2470	Dual water	CALC:Temp	8.3	1.85	No	52	220		CALC:Temp	
2470	Sonic	0.288	5.46	1.98	0.95	86	189	Wyllie	0.023	2.645
2653	Dual water	CALC:Temp	8.3	1.85	No	51	220		CALC:Temp	
2653	Sonic	0.33	5.46	1.98	1	82	189	Wyllie	0.045	2.67
2680.93	Dual water	CALC:Temp	8.3	1.85	No	52	220		CALC:Temp	

EDIT:SPedit : Spontaneous Potential
 INTERP:PHIE : Effective Porosity
 SUMA:ResFlag
 SUMA:PayFlag
 CALC:Bad : Curva de Mal Pozo
 INTERP:SW : Water Saturation
 INTERP:VCL : Clay Volume

Scale : 1 : 200

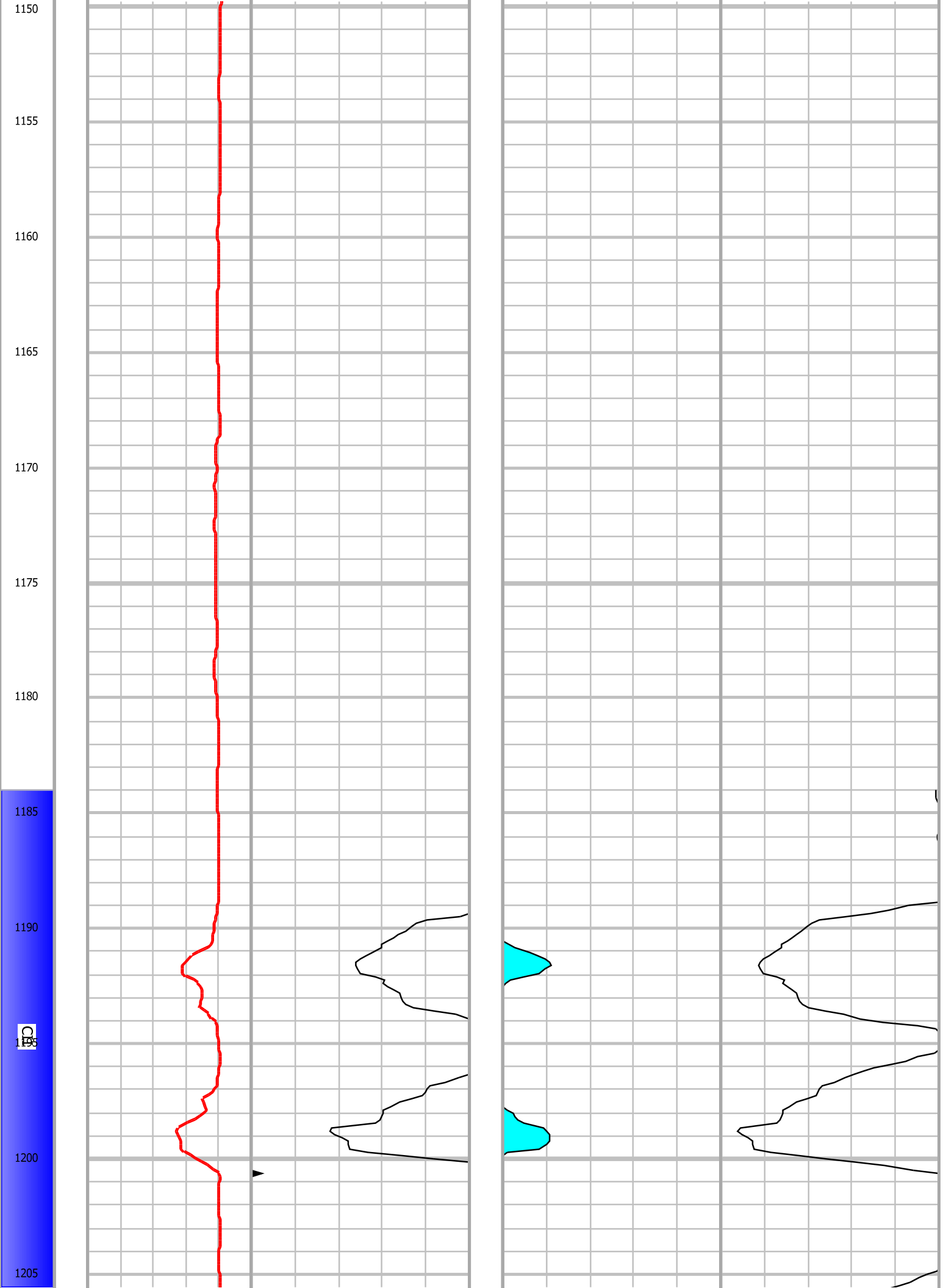
YPF.Ch.APC-406

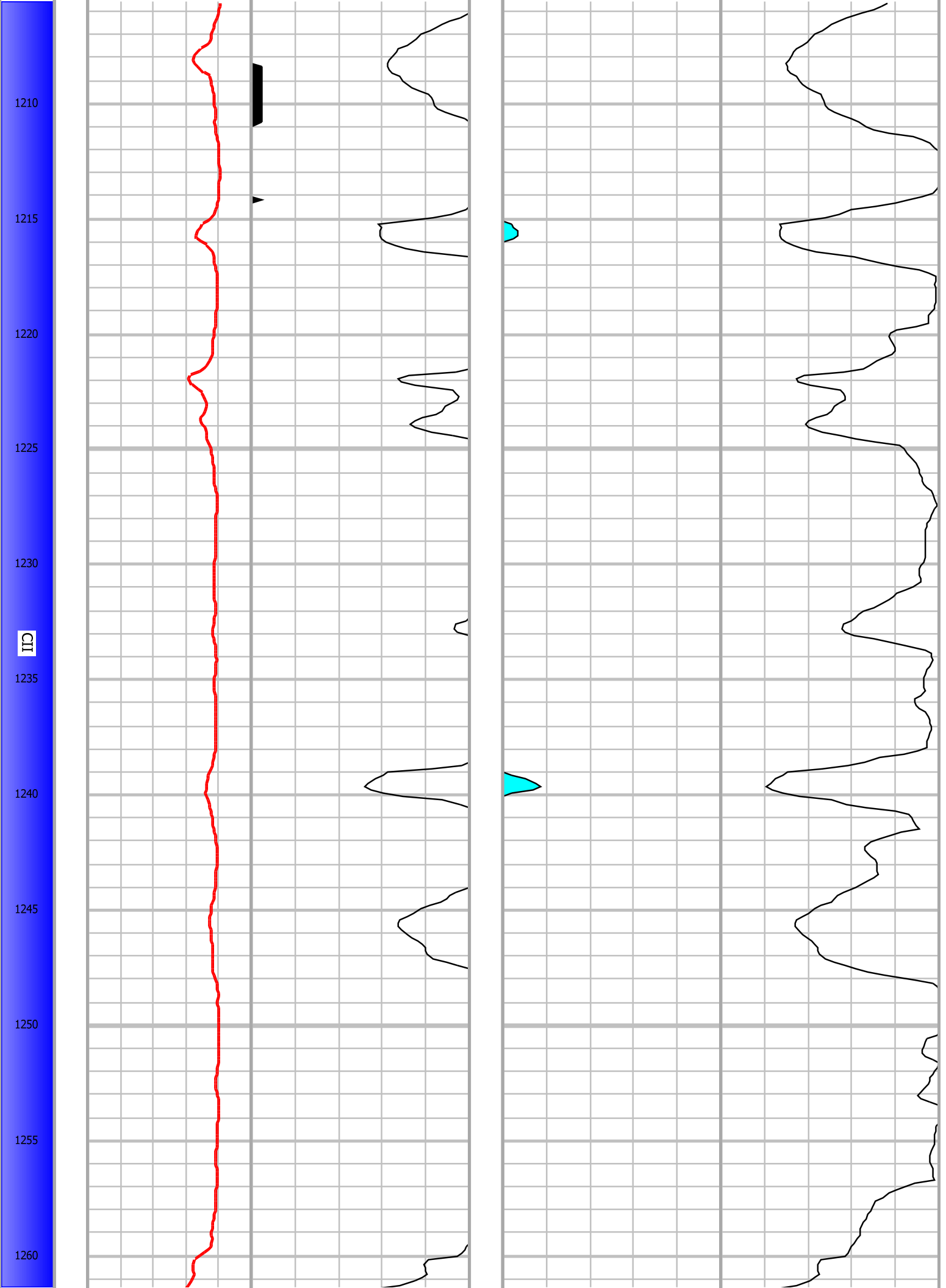
DB : Petrofísica PAMPA CASTILLO NORTE (38)

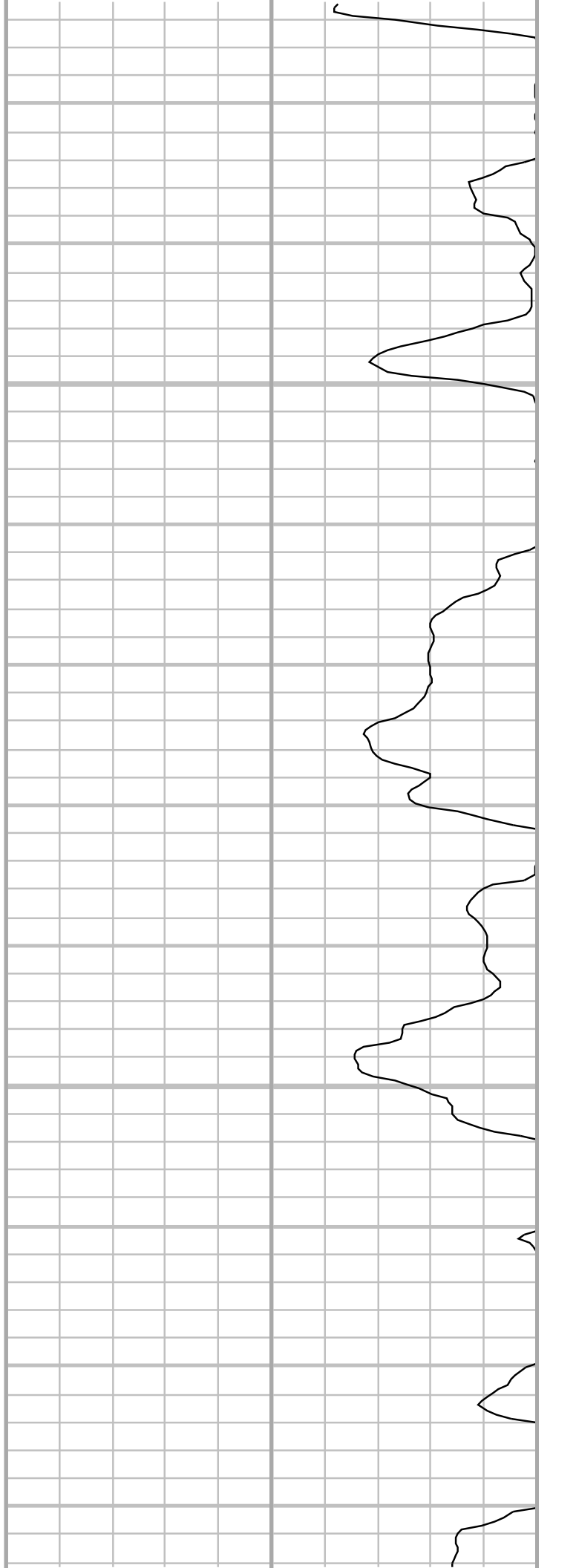
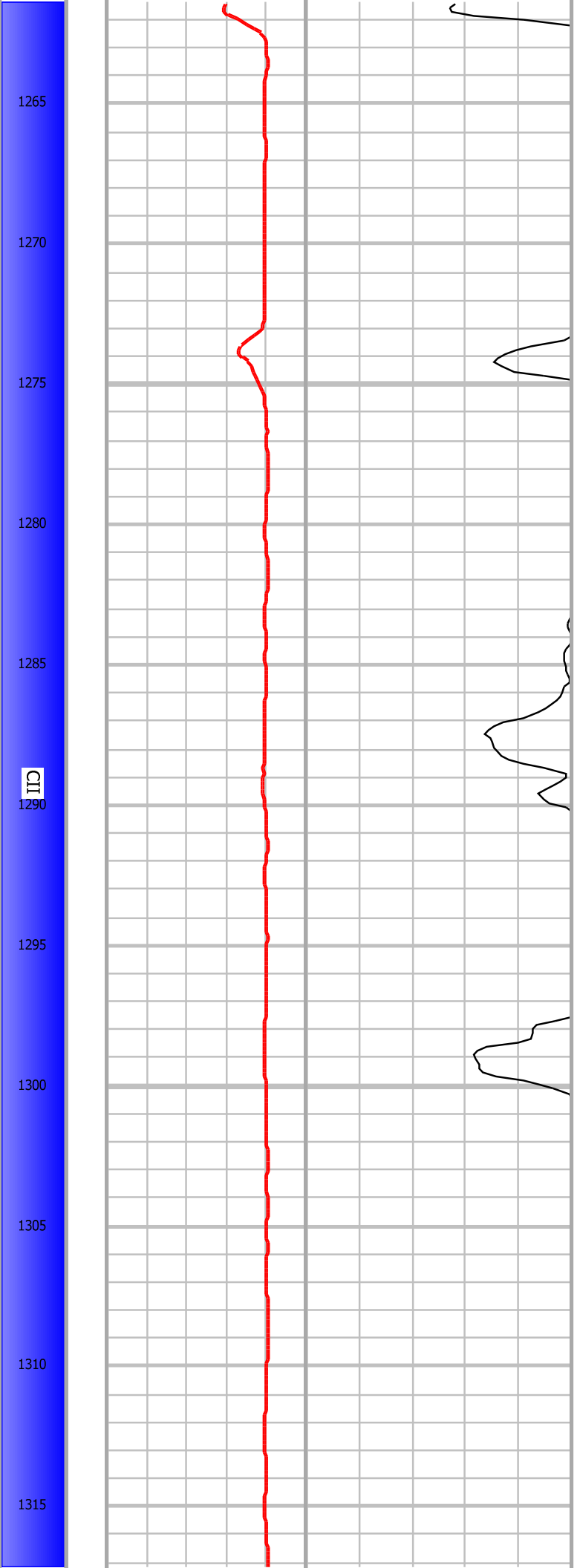
DEPTH (1144.99M - 2645.06M)

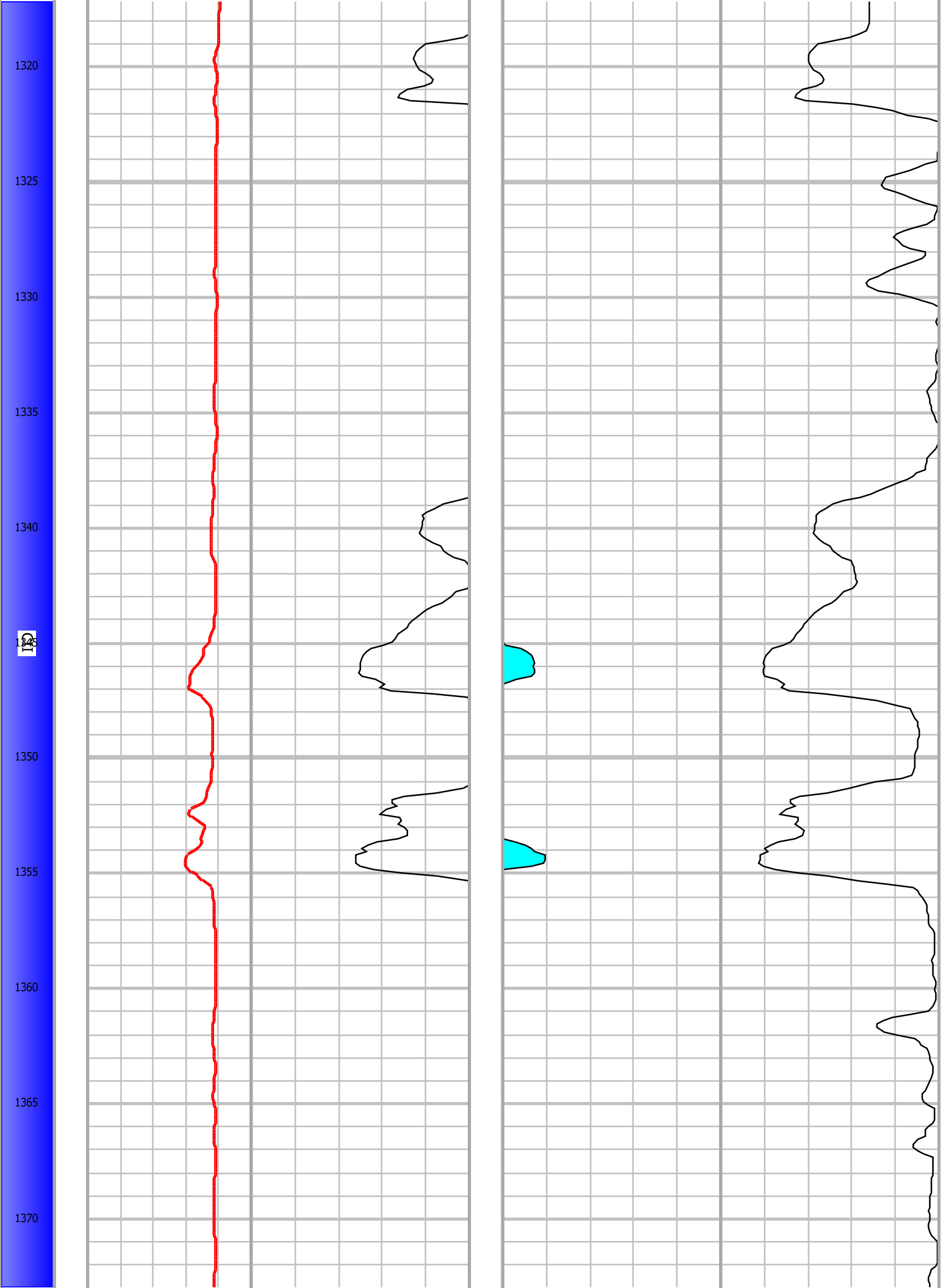
11/11/2014 16:47

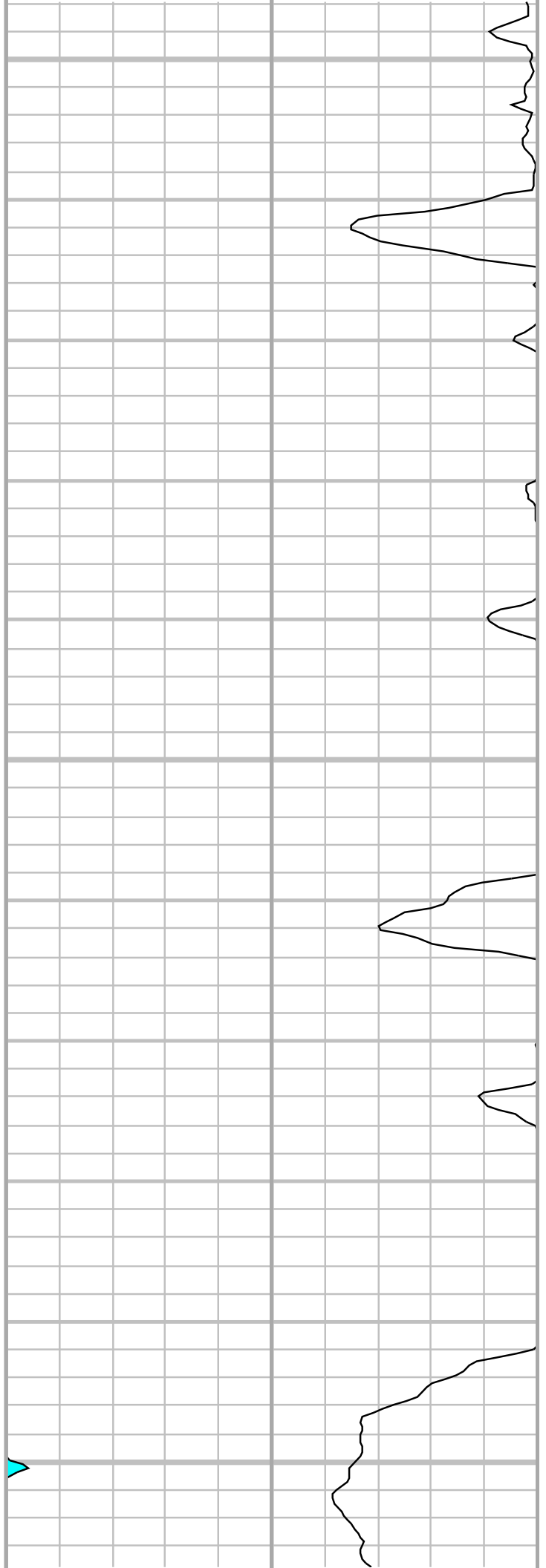
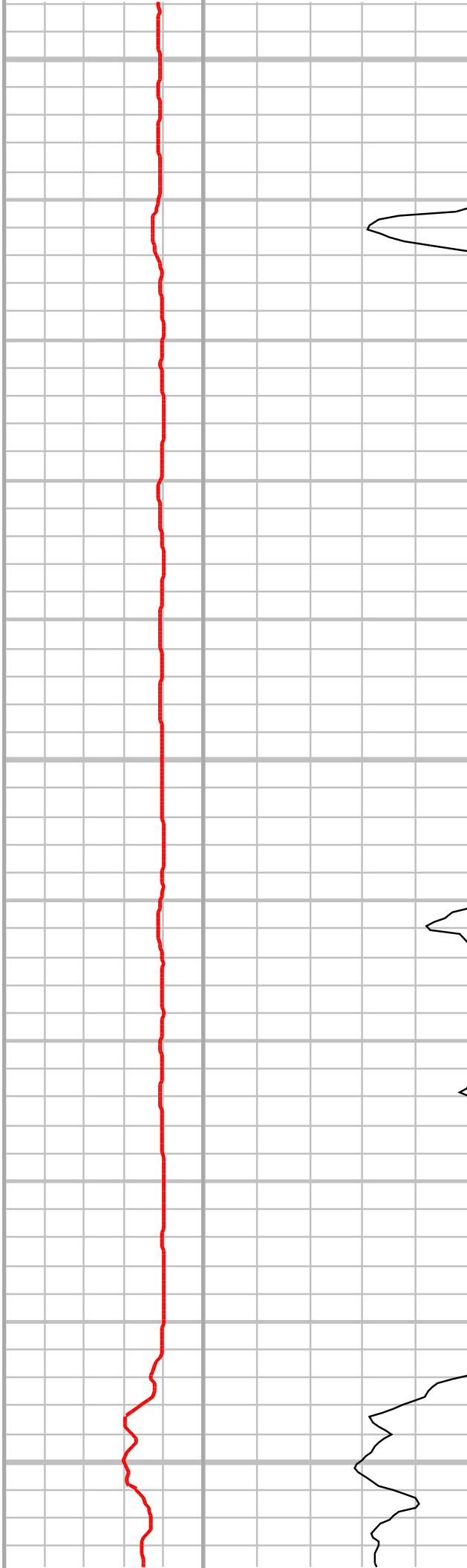
Topes	Cutoff	SP - GR	Porosidad	Zonas	Saturación de Agua	Volumen de Arcilla
DEPTH (M) Topes	Cutoffs	-80. <u>EDIT:SPedit (MV)</u> 20.	0.5 <u>INTERP:PHIE (Dec)</u> 0. 0. <u>CALC:Bad (Hole)</u> 20.	Purzados	1. <u>INTERP:SW (Dec)</u> 0. Reservoir Flag Pay Flag Agua HC (SW<0.65 (40% Prob Pet))	0. <u>INTERP:VCL (Dec)</u> 1. Reservoir Flag Pay Flag Ensayos

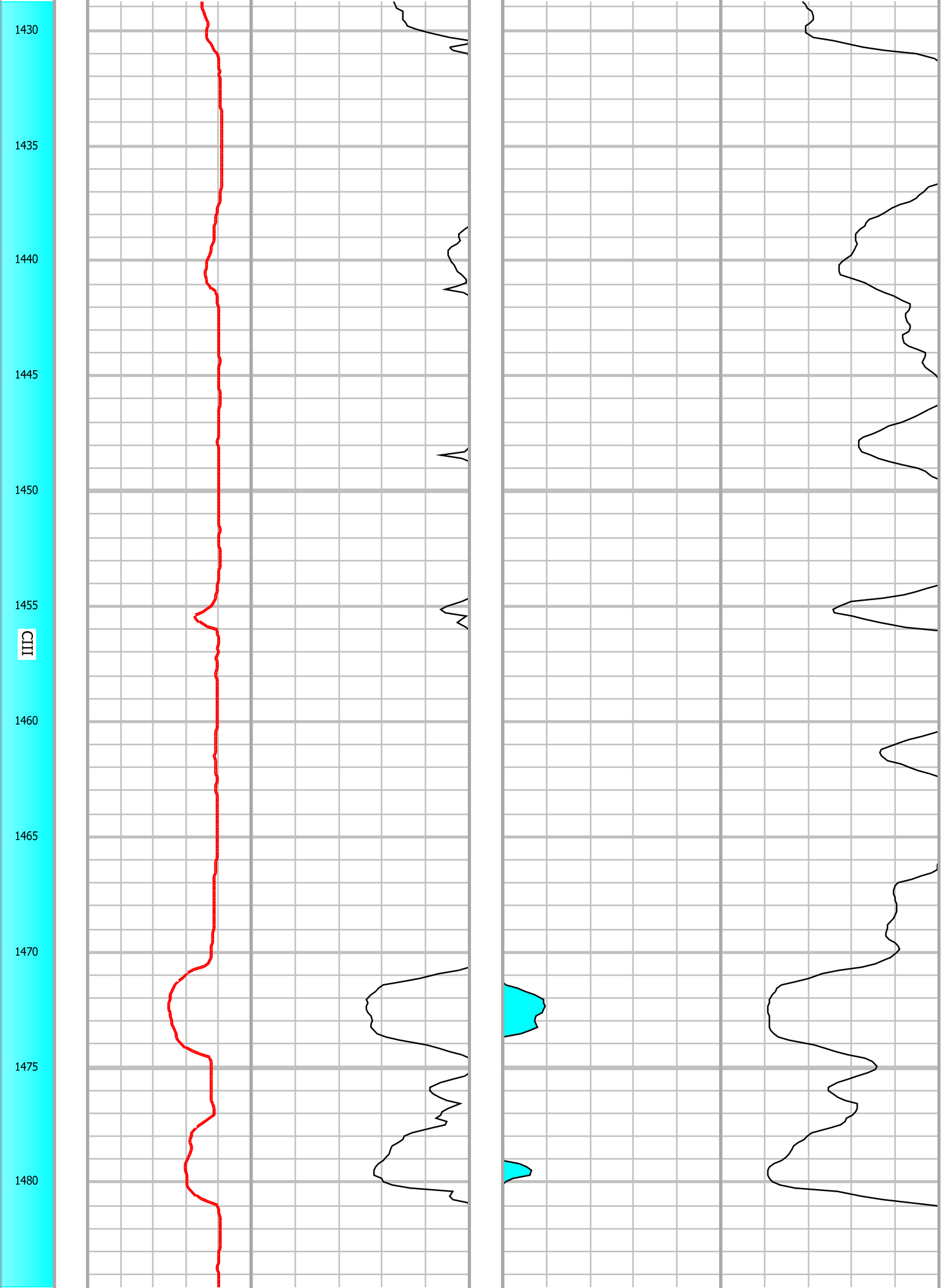












1485

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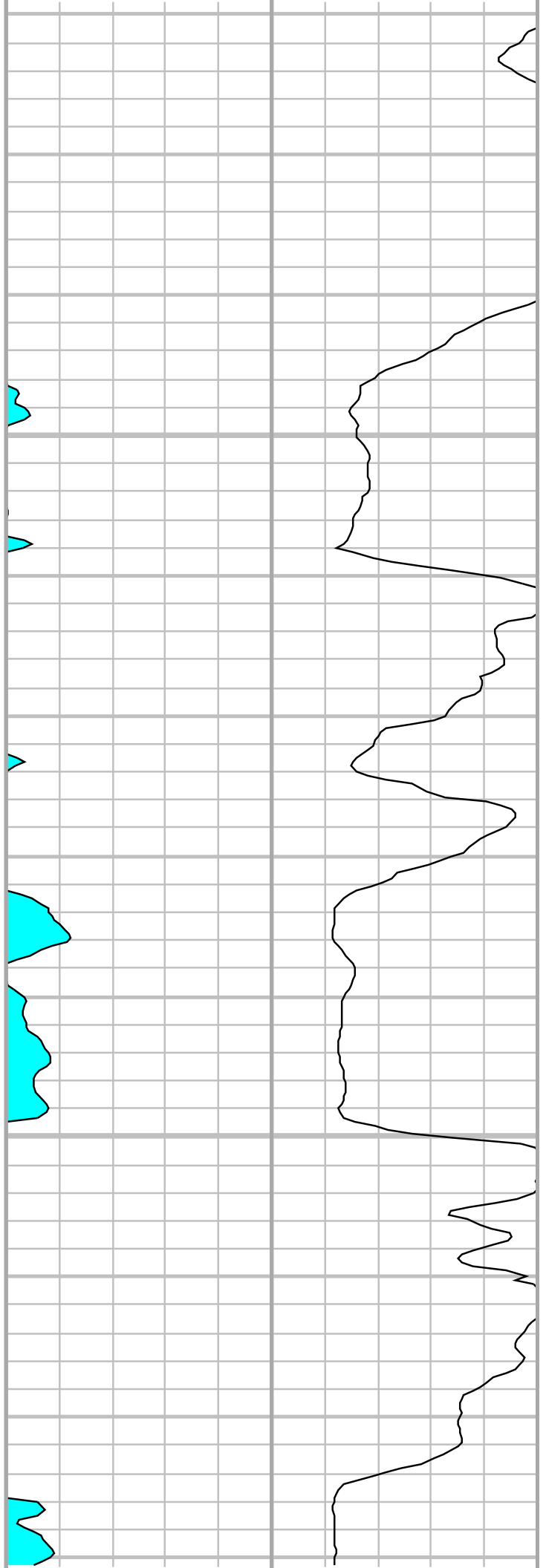
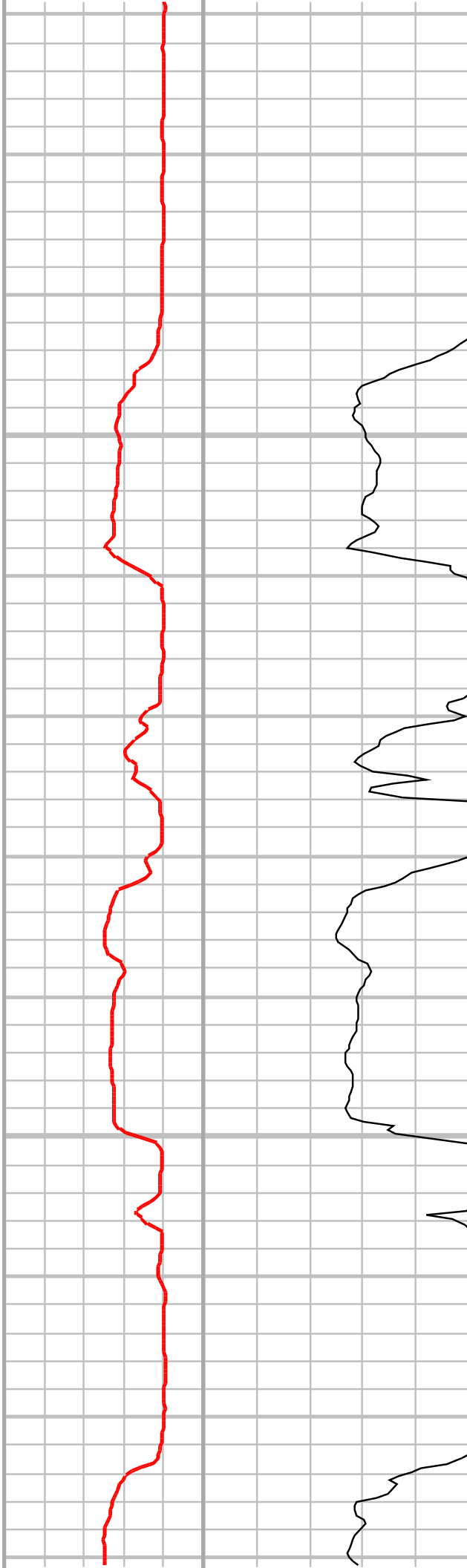
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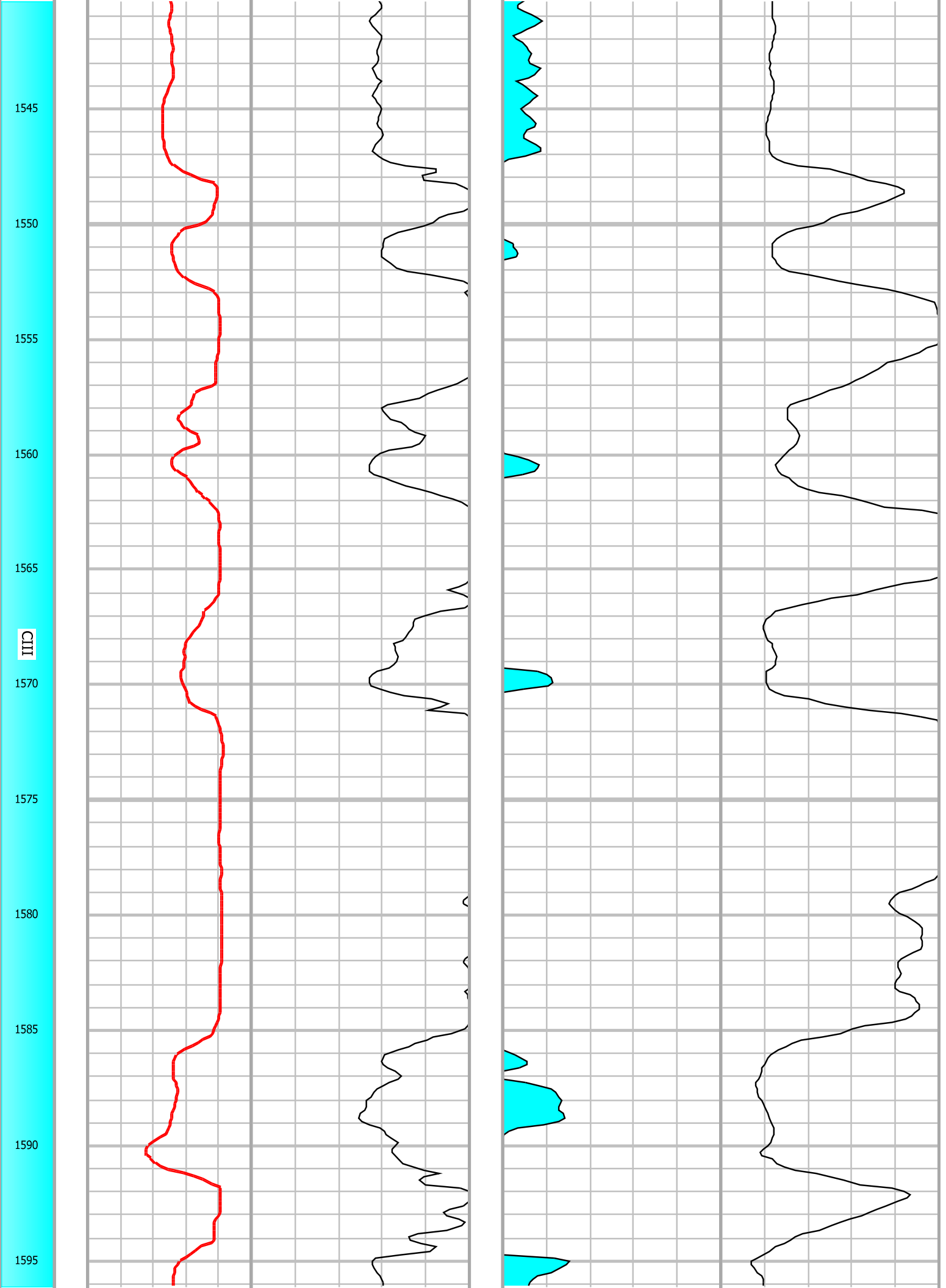
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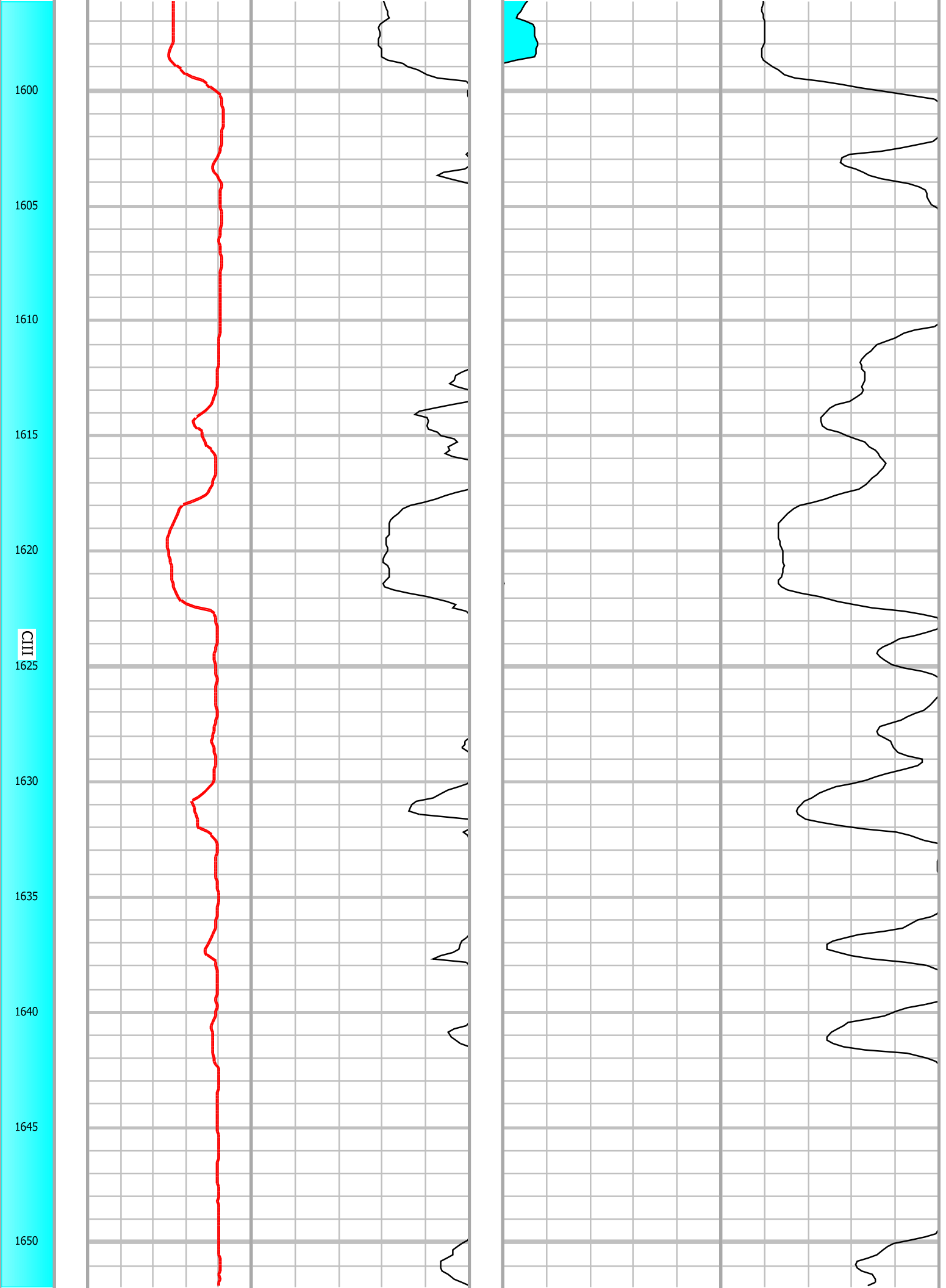
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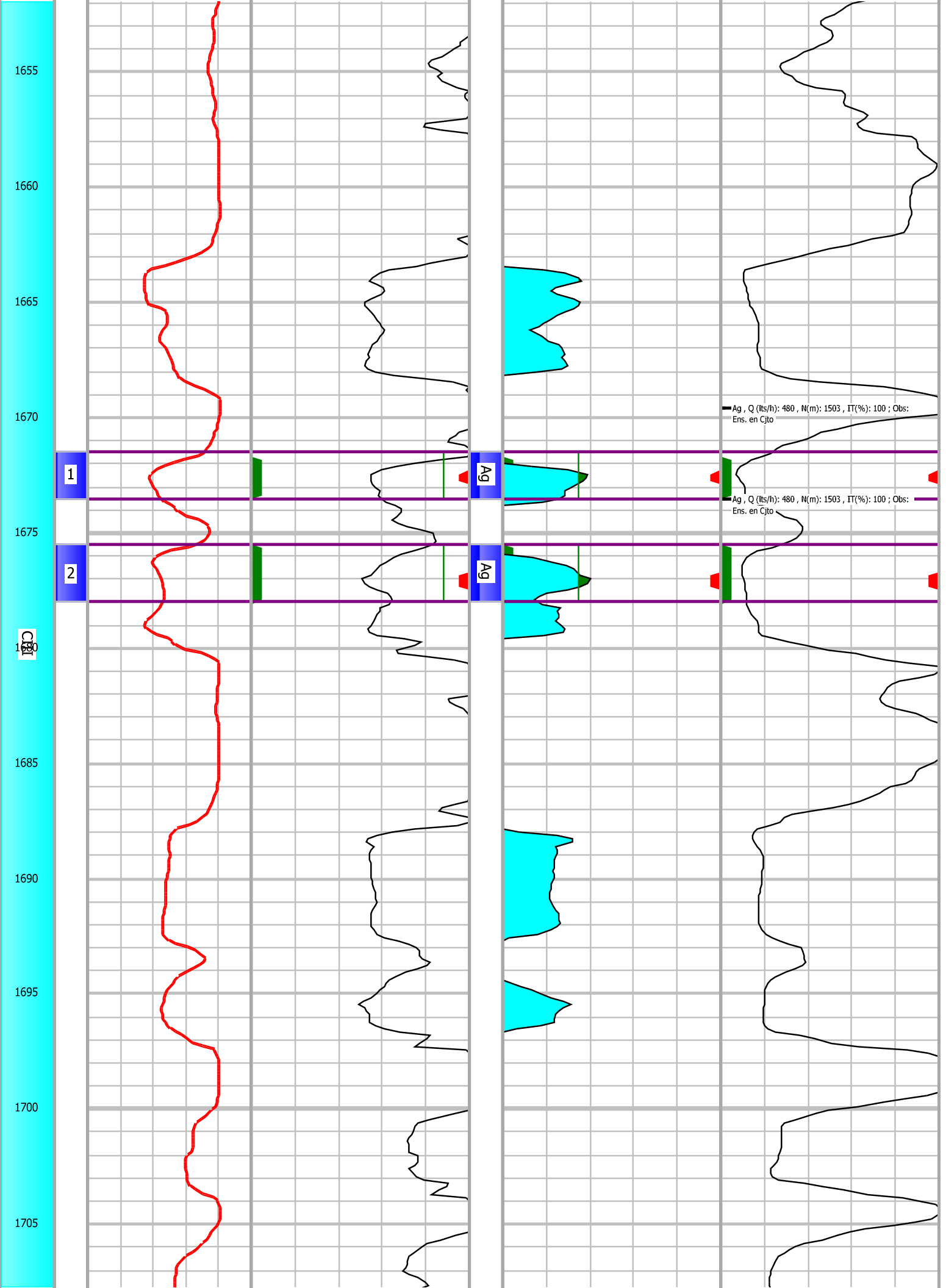
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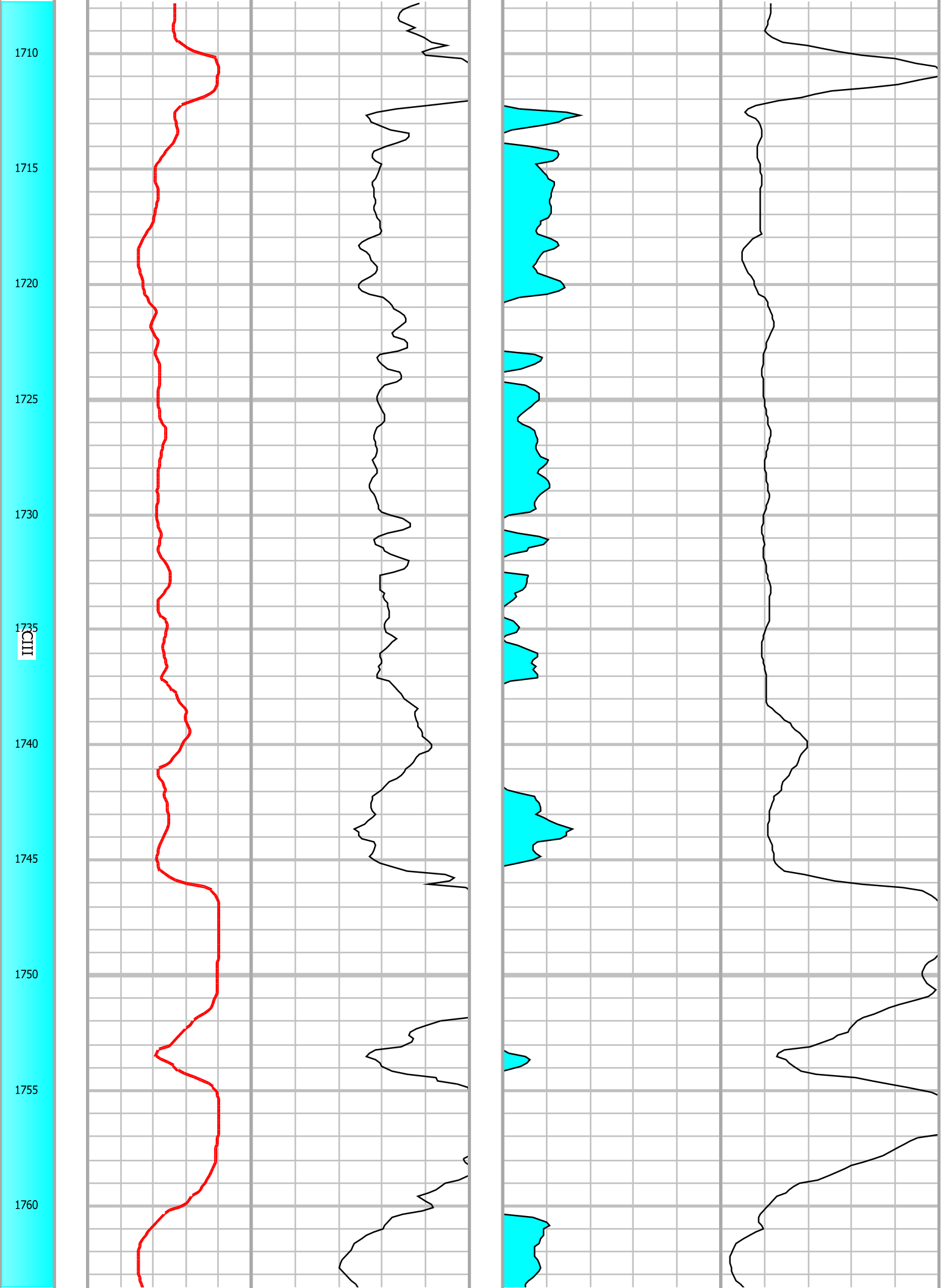
CHII

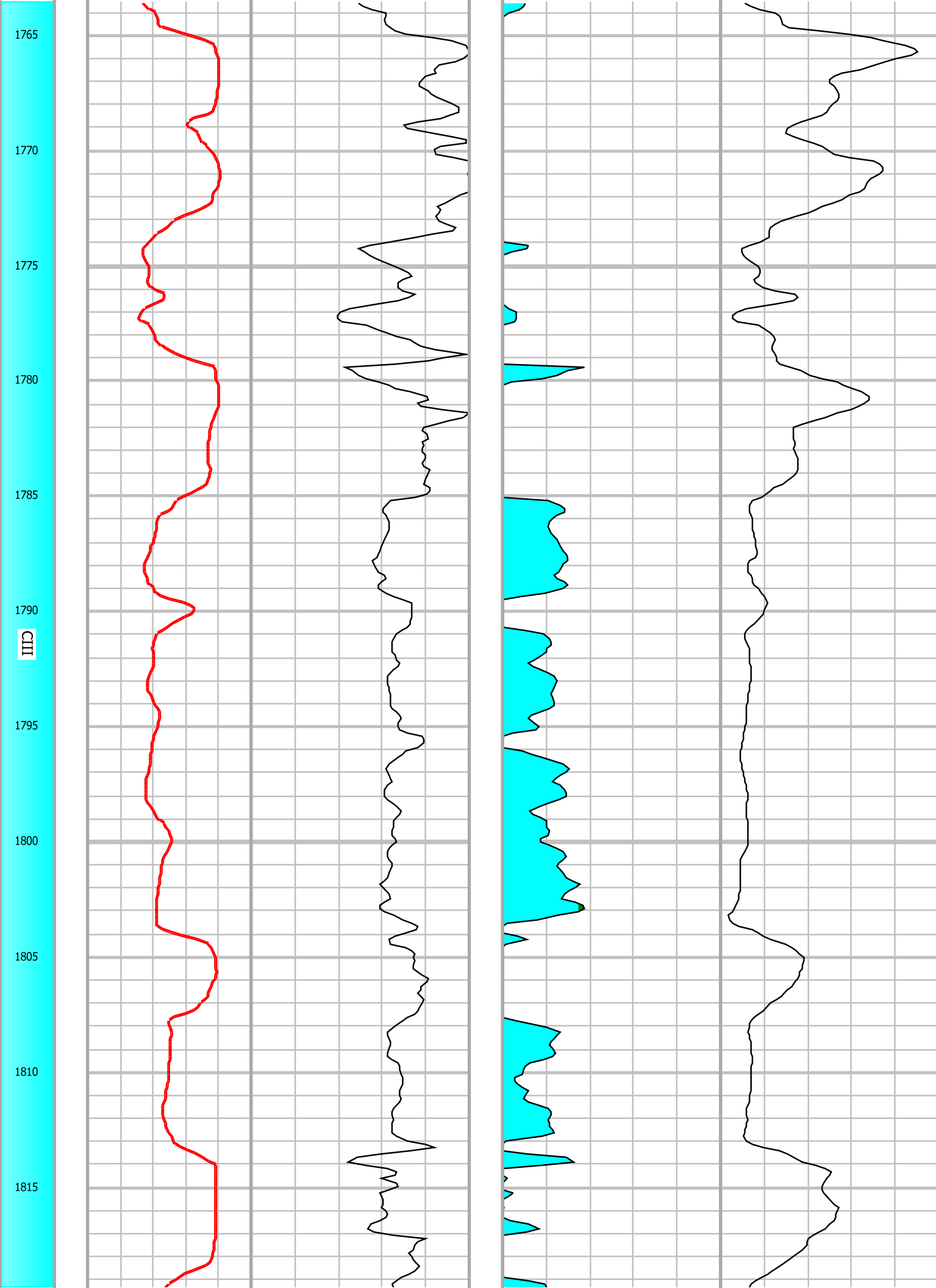


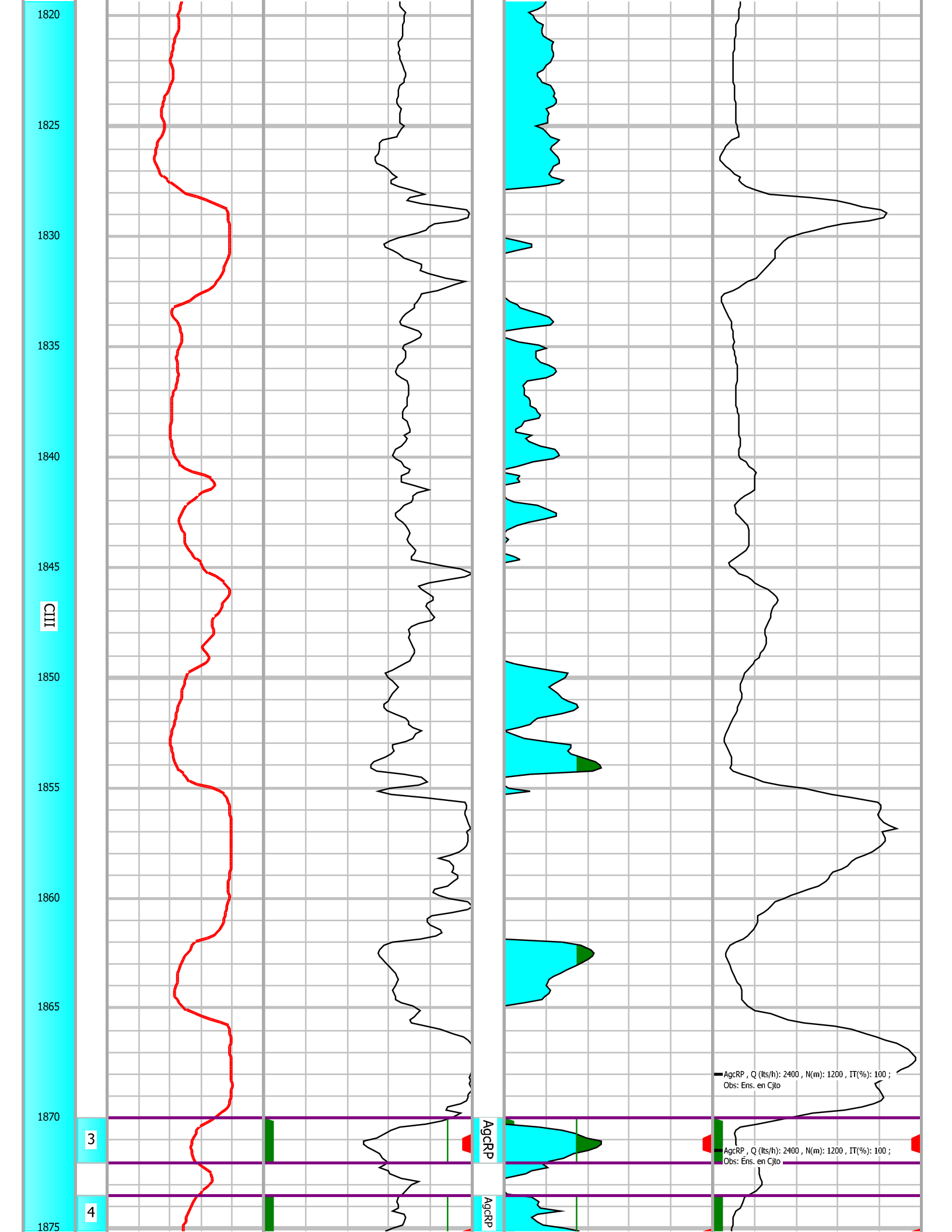












1880

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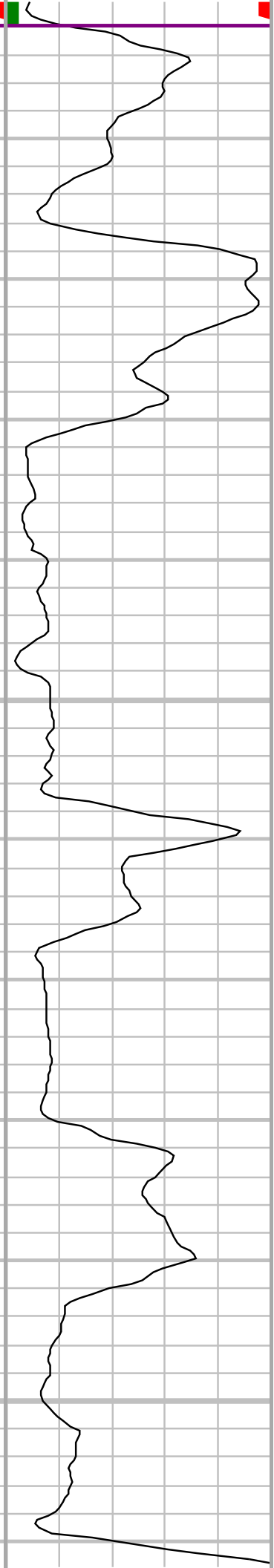
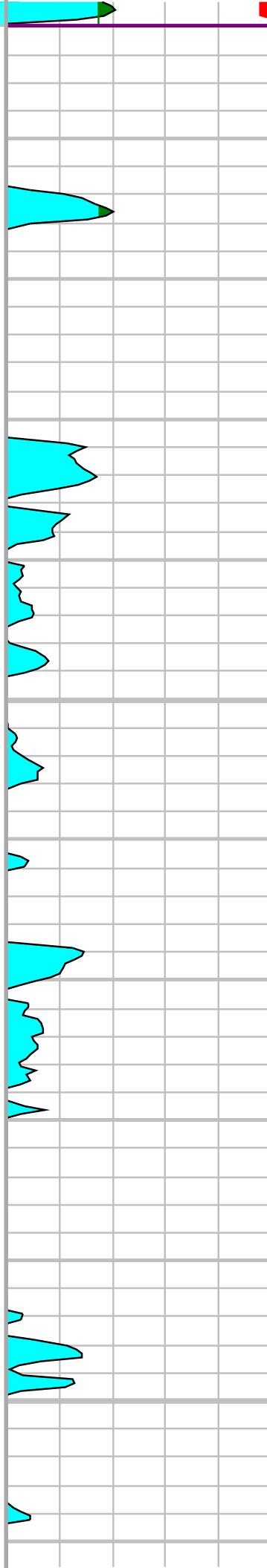
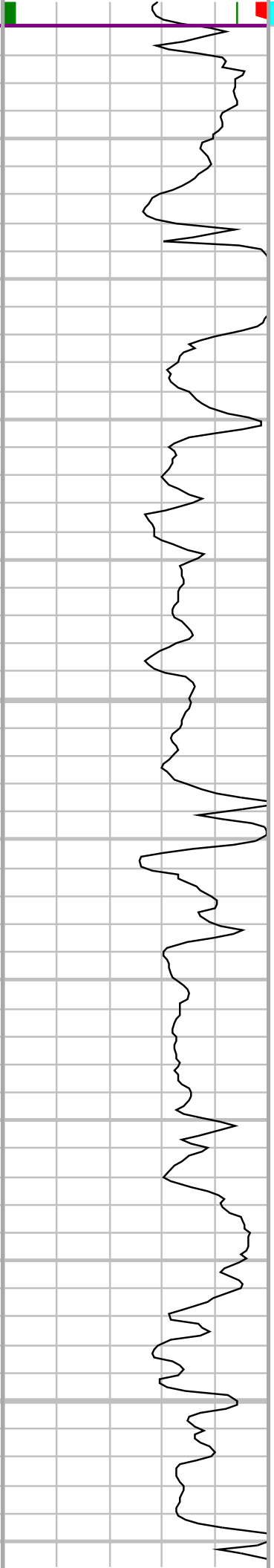
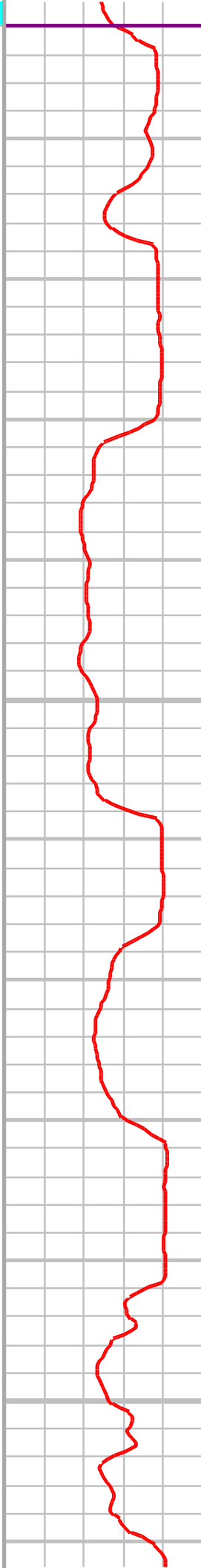
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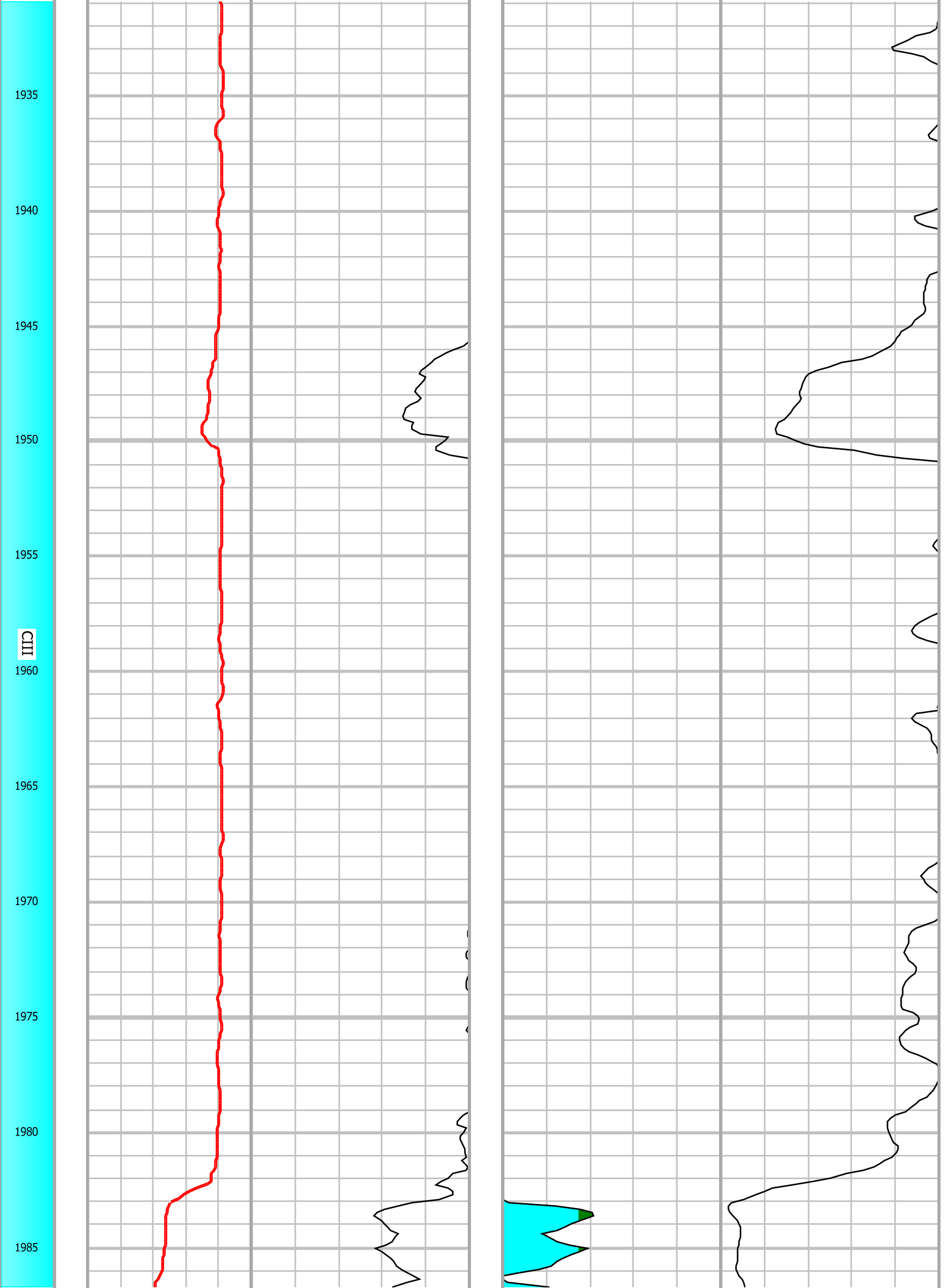
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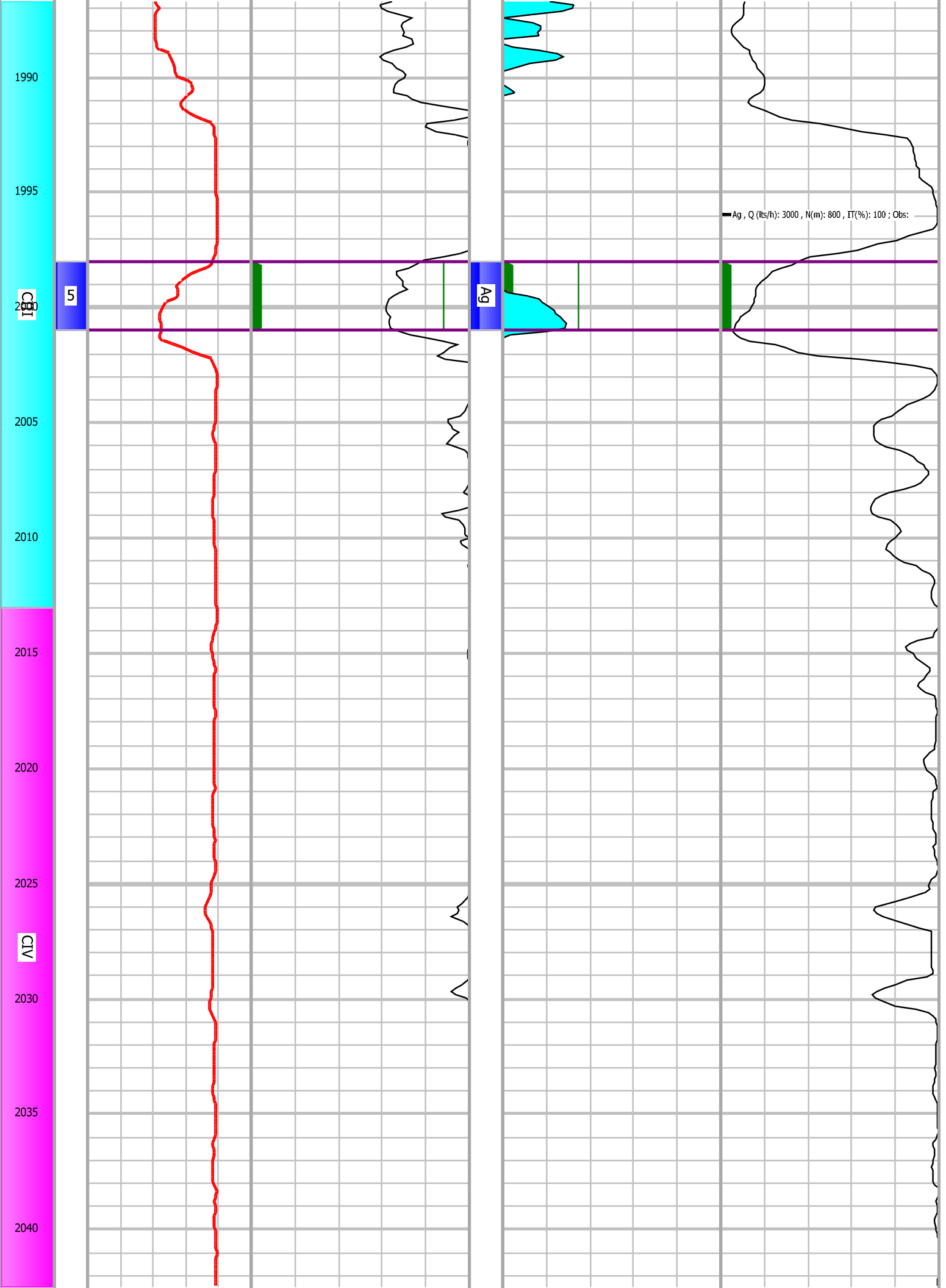
1925

1930

CHII







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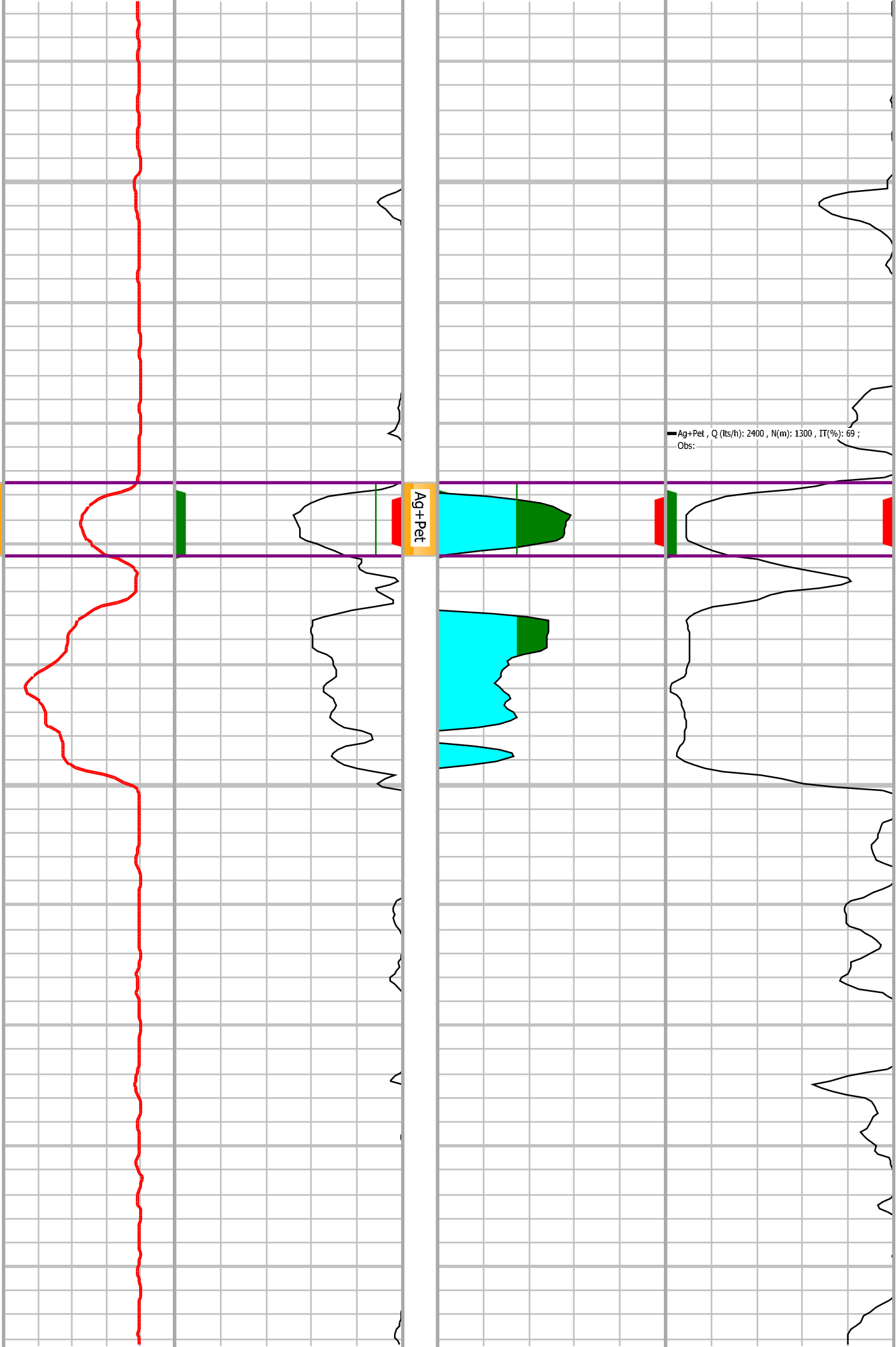
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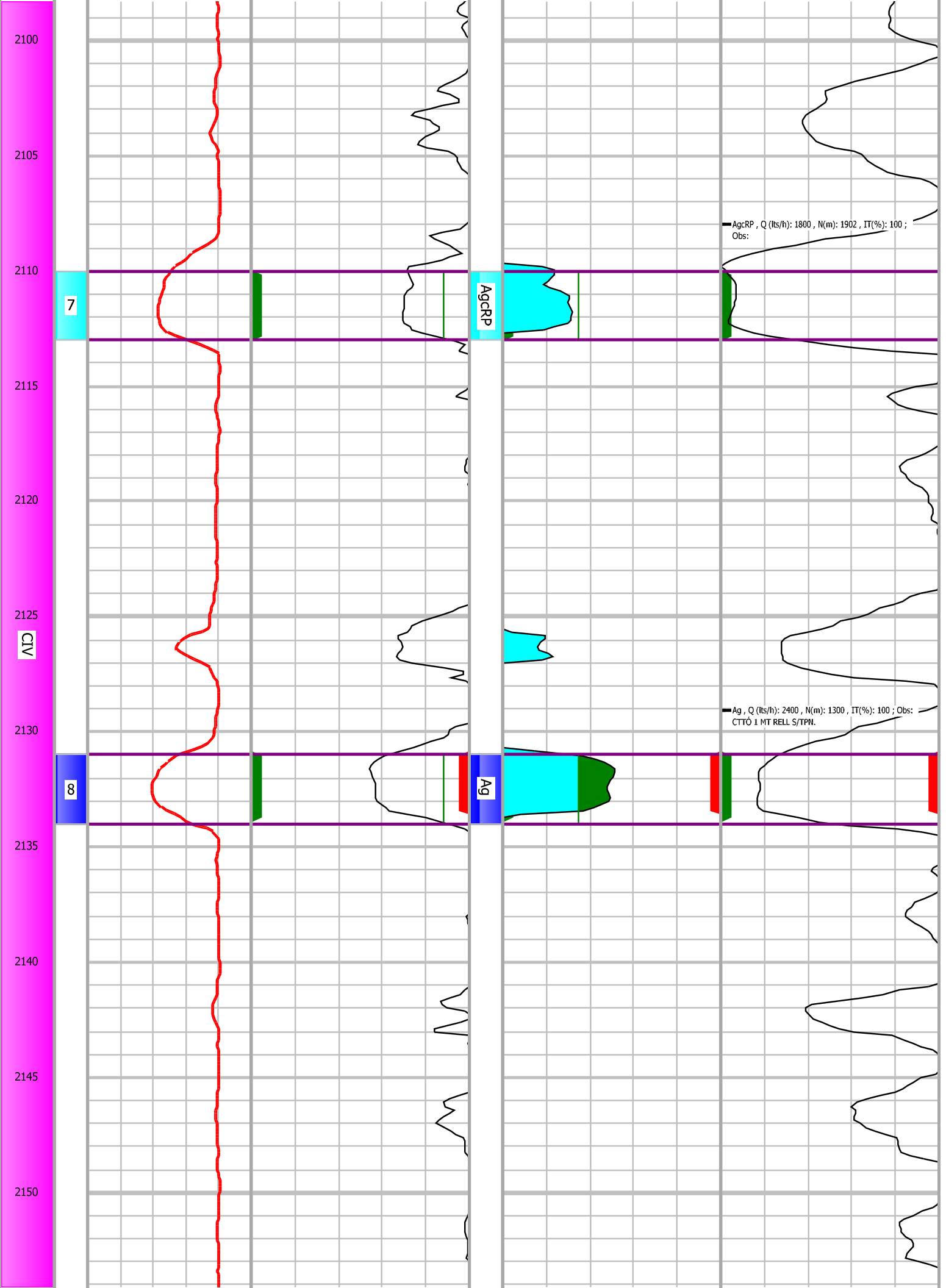
6

IV

Ag+Pet

Ag+Pet, Q (lts/h): 2400, N(m): 1300, IT(%): 69 ;
Obs:





2100

2105

2110

2115

2120

2125

2130

2135

2140

2145

2150

7

Clv

8

AgCRP

Ag

AgCRP, Q (lts/h): 1800, N(m): 1902, IT(%): 100 ;
Obs:

Ag, Q (lts/h): 2400, N(m): 1300, IT(%): 100 ; Obs:
CTTÓ I MT RELL S/TPN.

2155

2160

2165

2170

2175

2180

CIV

2185

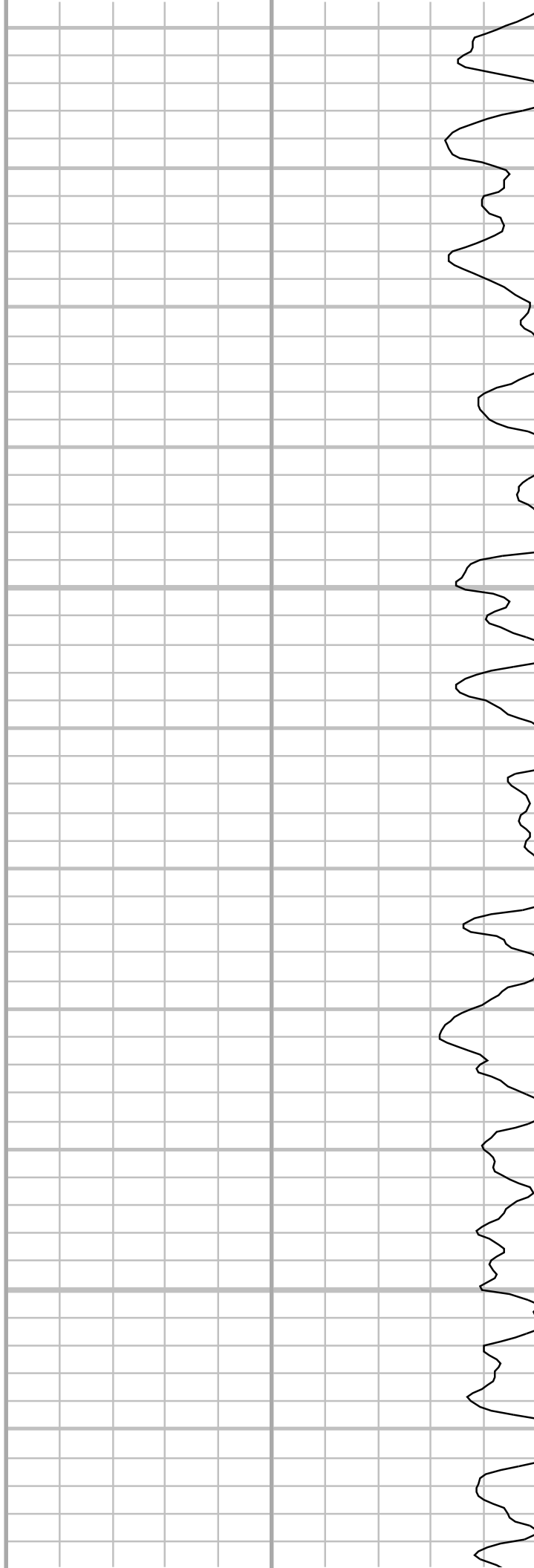
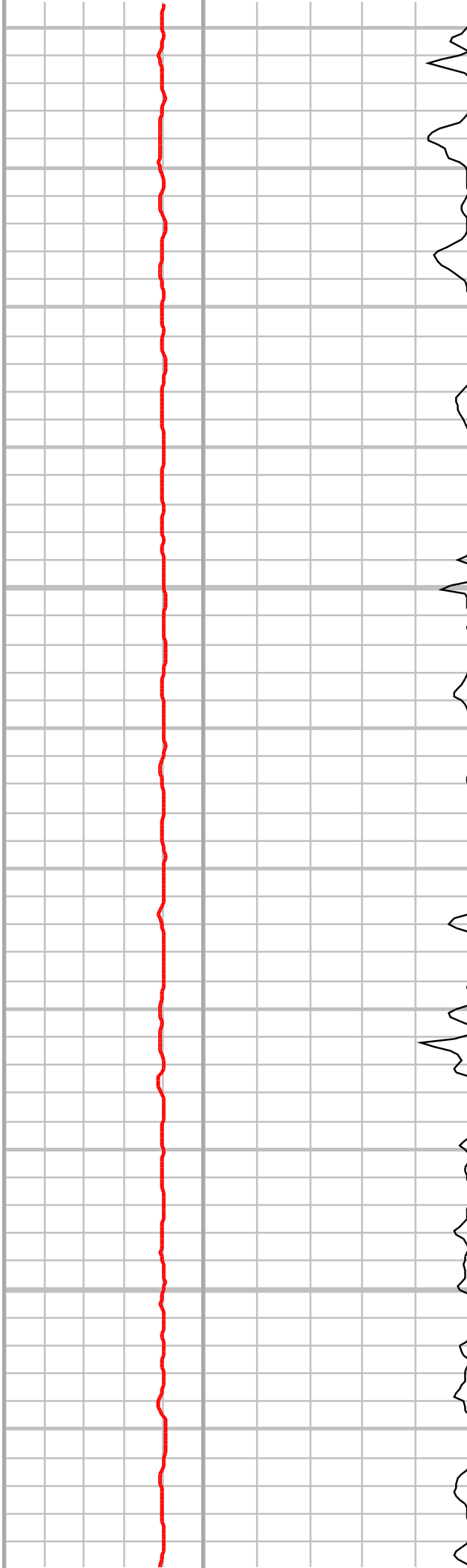
2190

2195

2200

2205

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2235

2240

2245

2250

2255

2260

2265

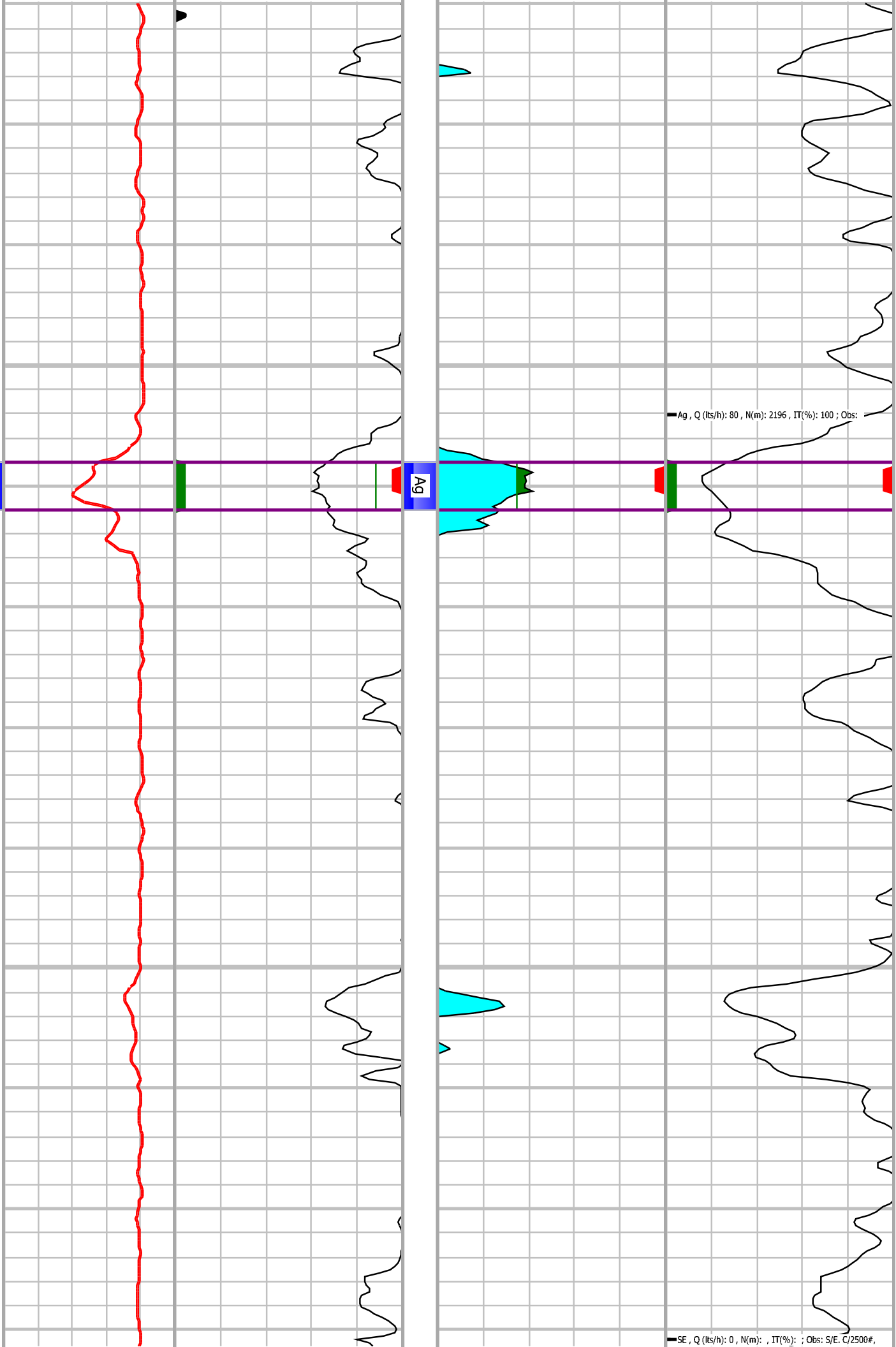
CIV

9

Ag

Ag, Q (lts/h): 80, N(m): 2196, IT(%): 100 ; Obs:

SE, Q (lts/h): 0, N(m): , IT(%): ; Obs: S/E. C/2500#



NO ADMITE.

10

SE

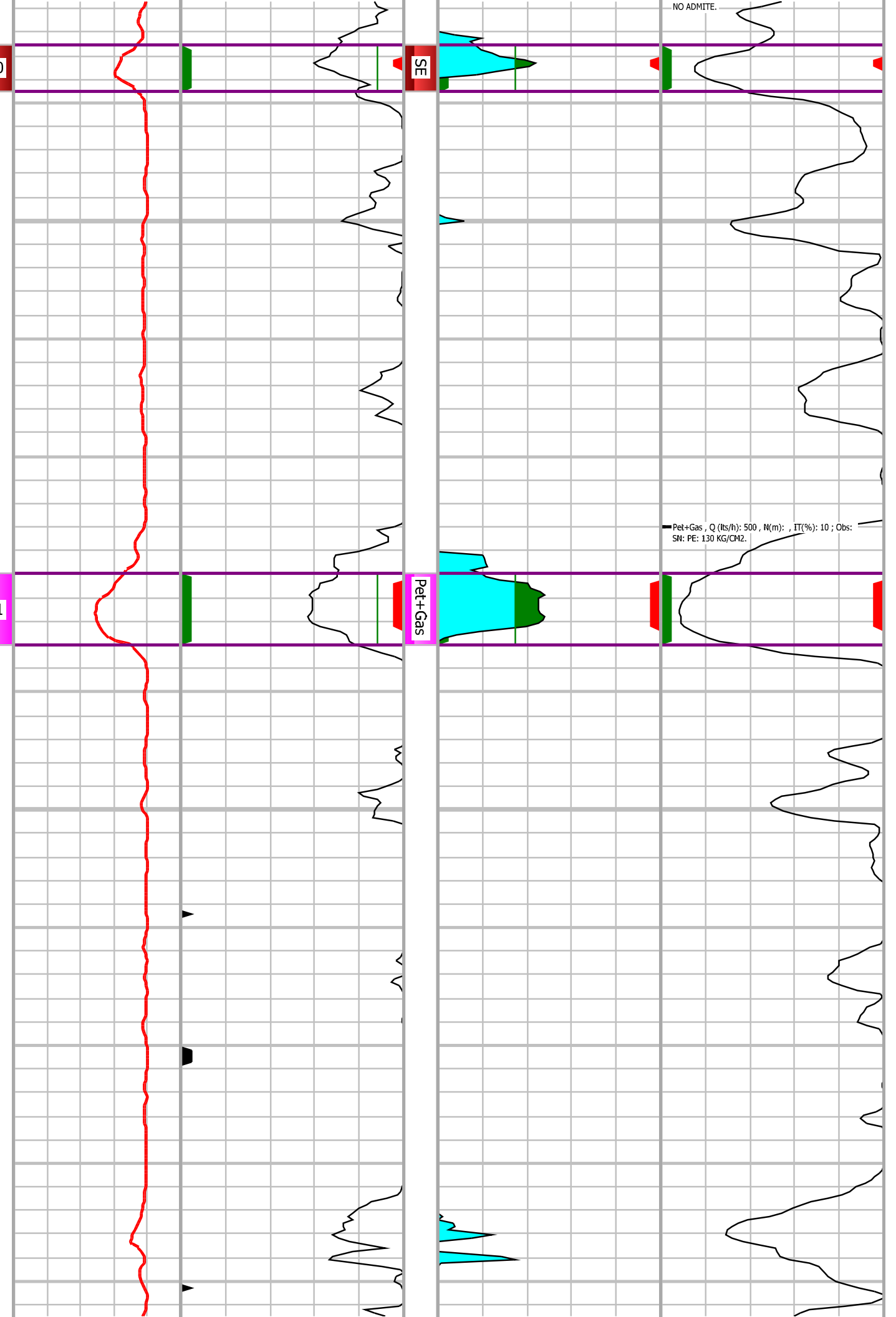
11

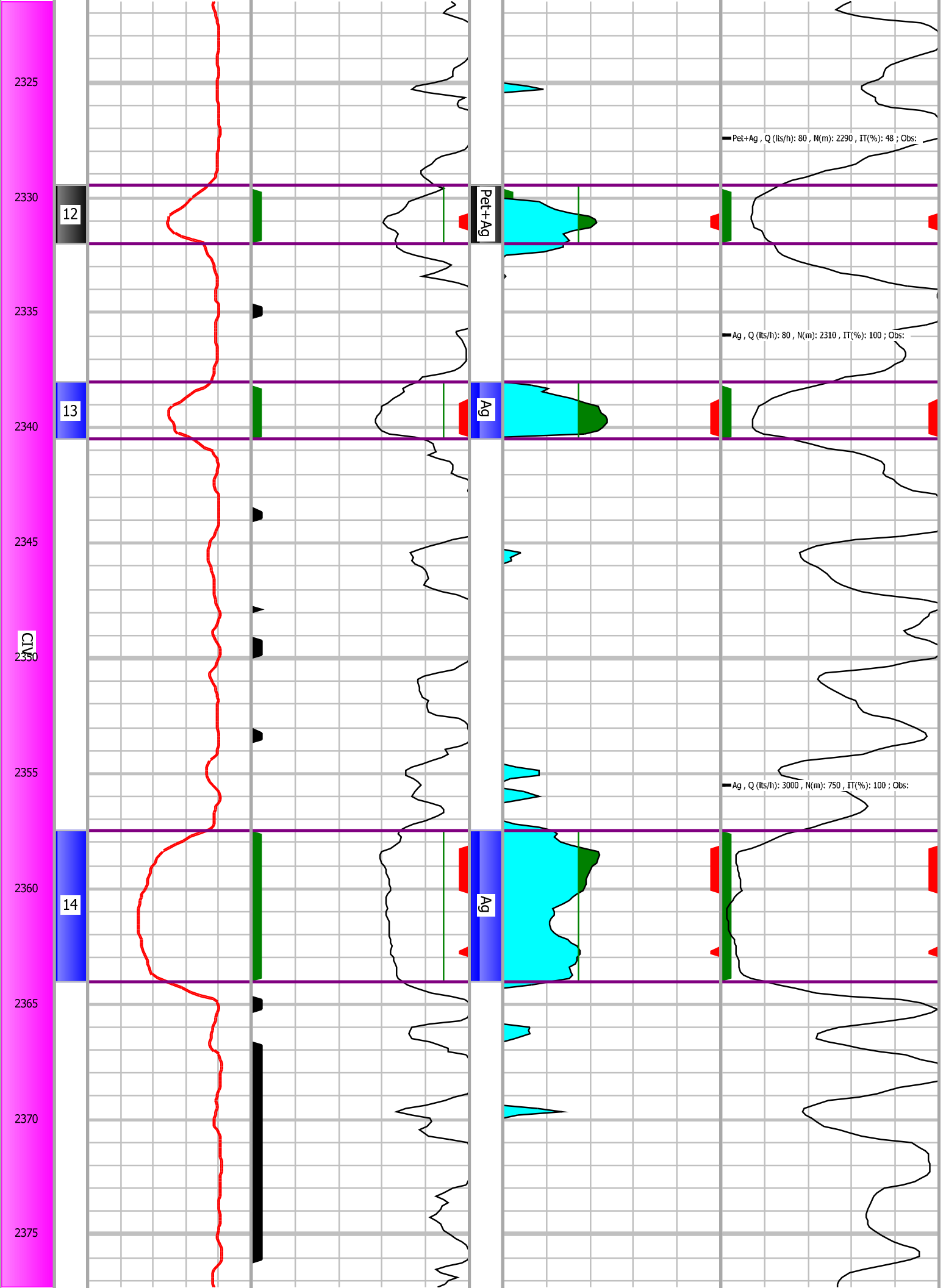
Pet+Gas

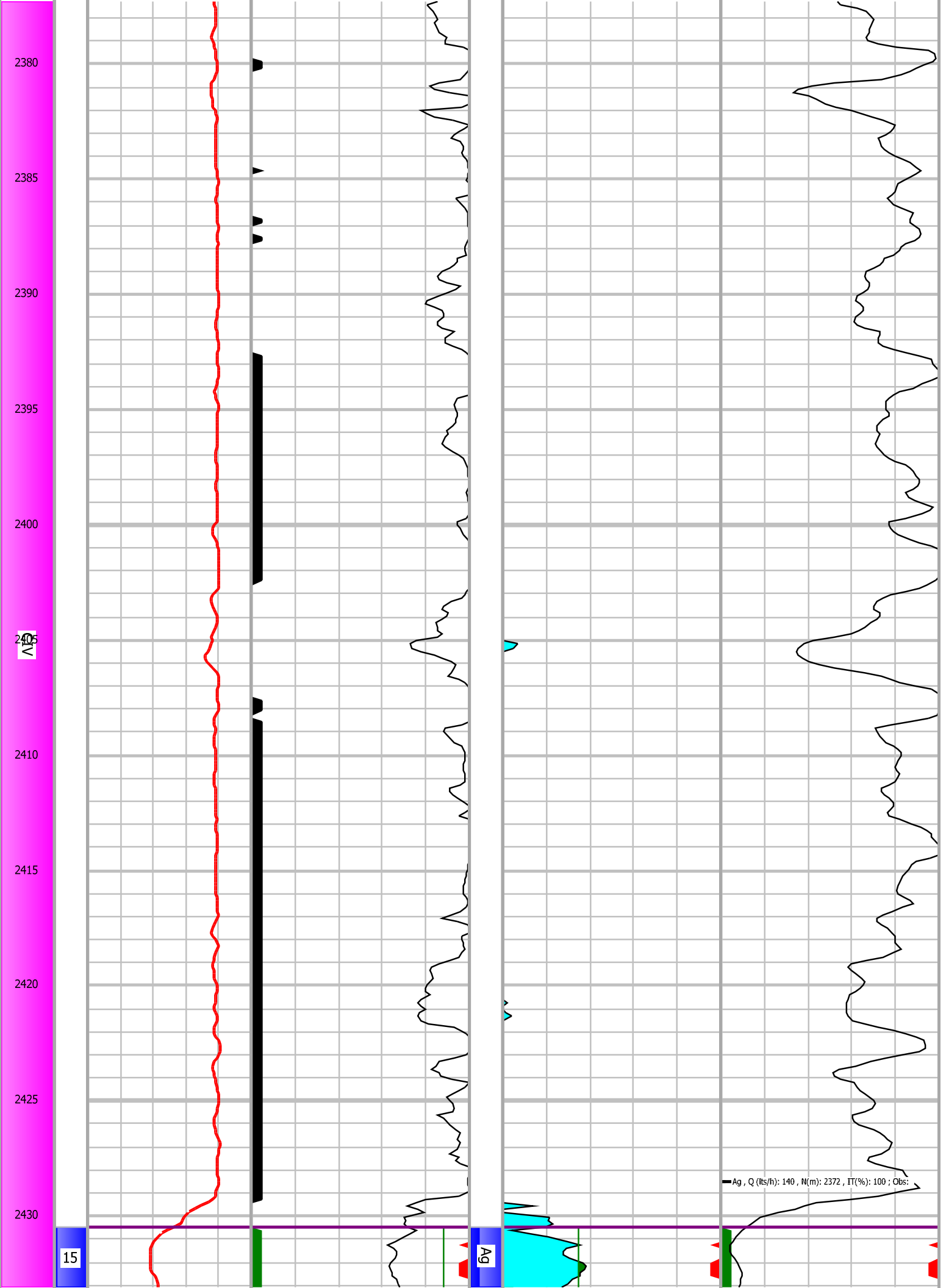
2270
2275
2280
2285
2290
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300
305
310
315
320

CV

Pet+Gas, Q (lts/h): 500, N(m): , IT(%): 10 ; Obs:
SN: PE: 130 KG/CM2.



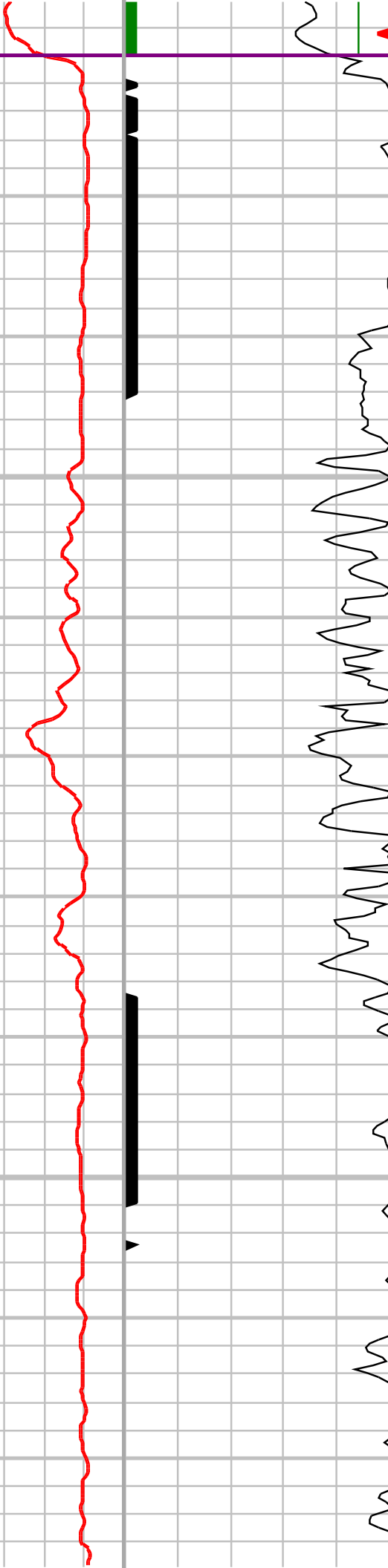




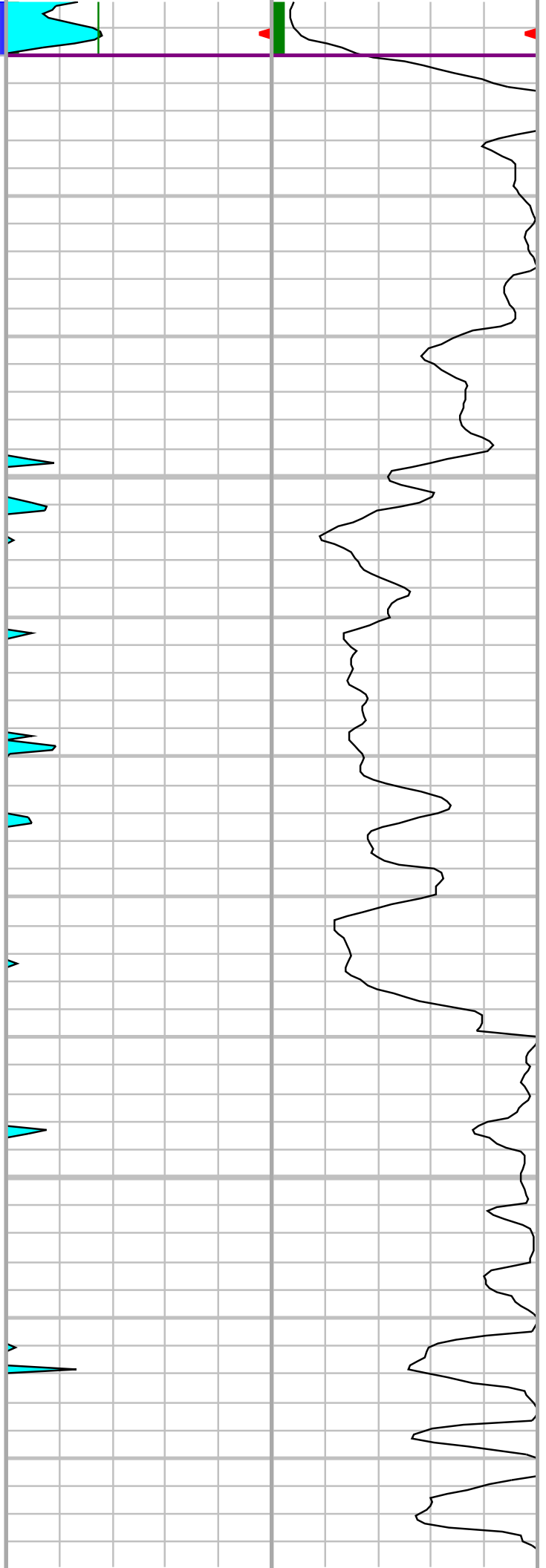
15

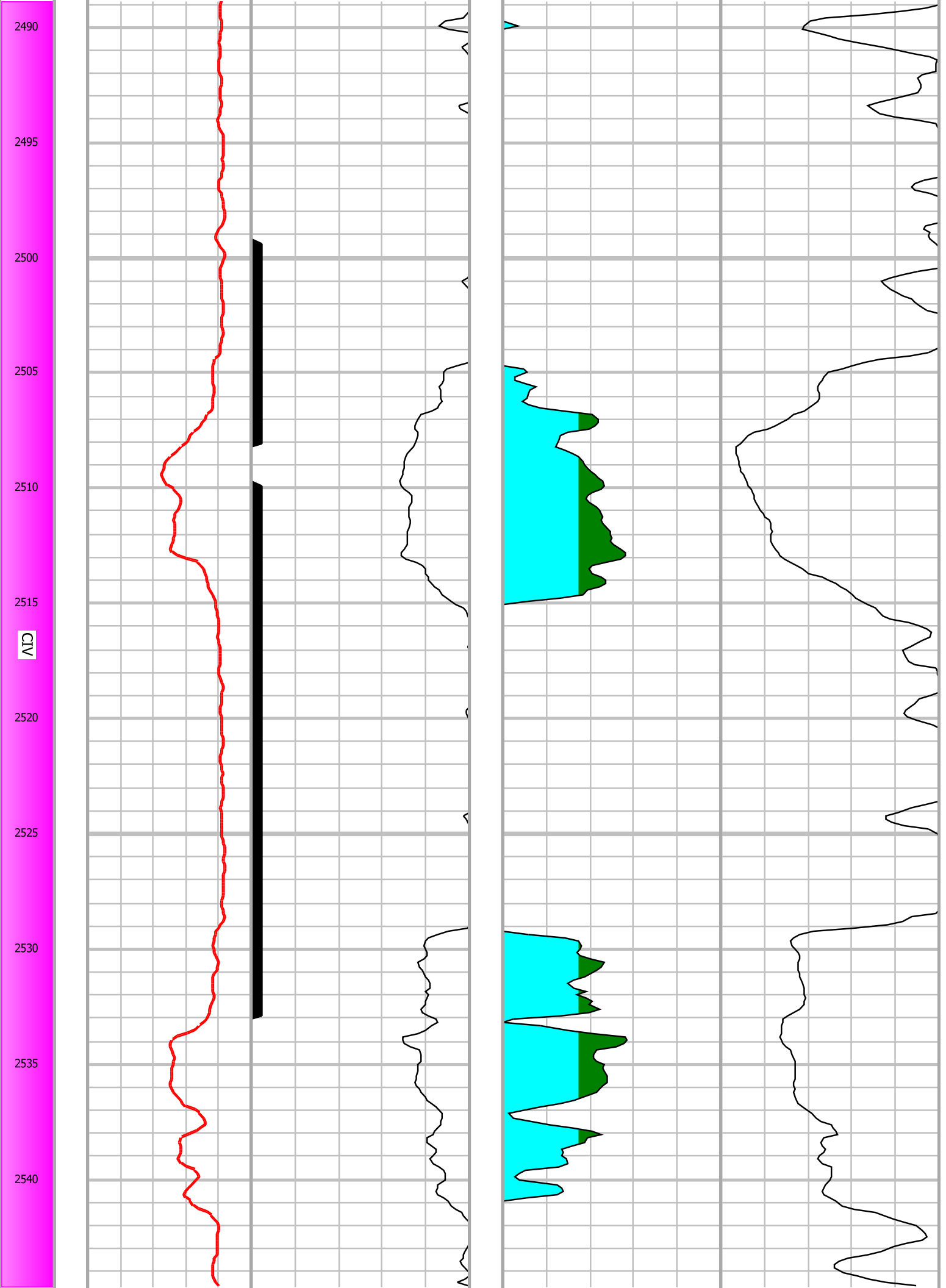
2435
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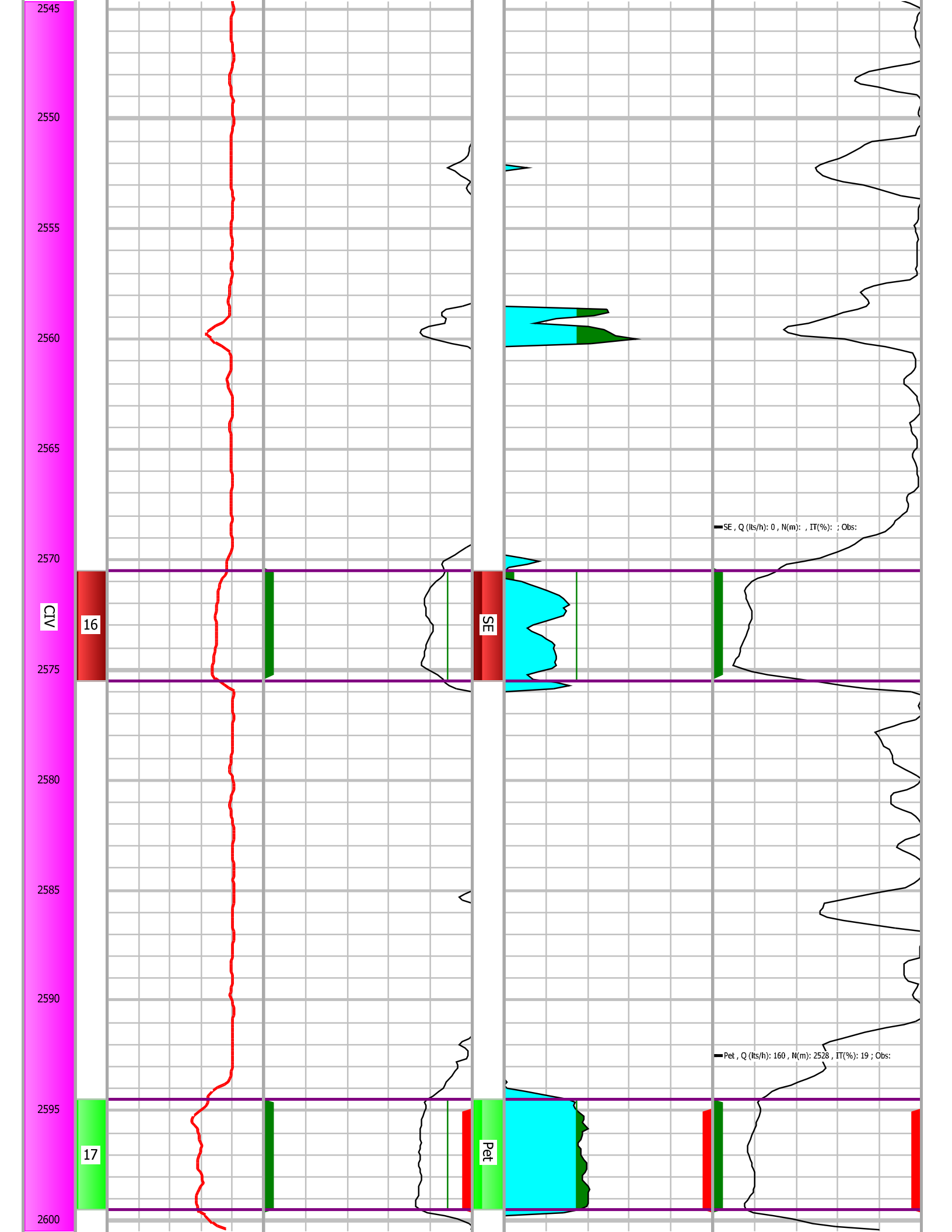
CIV

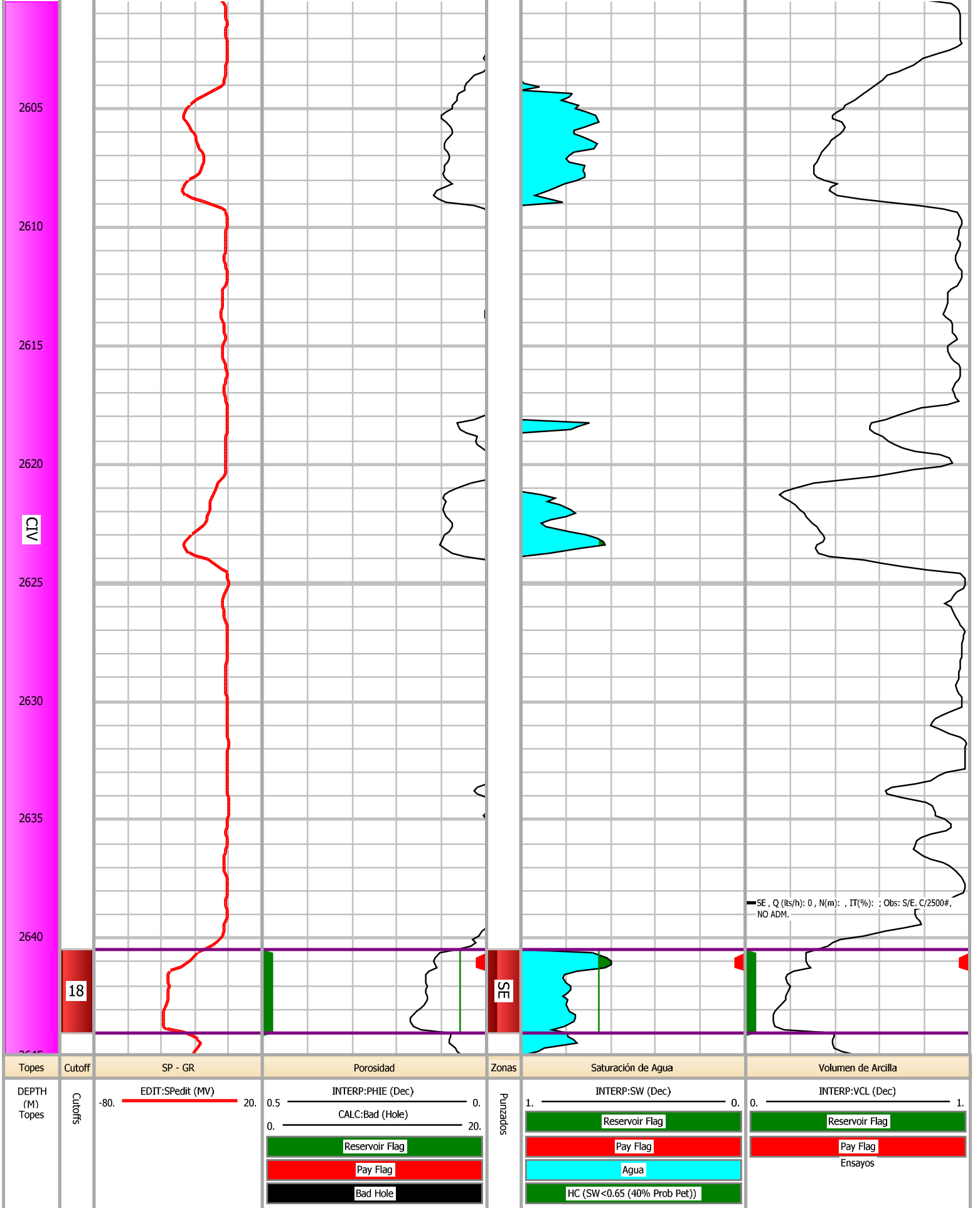


Ag









Wellname : YPF.Ch.APC-406

Date : 11/11/2014 16:36:57

		418.8	25.5761		423.0672	25.7244
DEPTH	CALC:Temp	418.9524	25.5814		423.2196	25.7297
M	C	419.1048	25.5867		423.372	25.735
414.99	25.4438	419.2572	25.592		423.5244	25.7403
415.1424	25.449	419.4096	25.5973		423.6768	25.7456
415.2948	25.4543	419.562	25.6026		423.8292	25.7509
415.4472	25.4596	419.7144	25.6079		423.9816	25.7562
415.5996	25.4649	419.8668	25.6132		424.134	25.7614
415.752	25.4702	420.0192	25.6185		424.2864	25.7667
415.9044	25.4755	420.1716	25.6238		424.4388	25.772
416.0568	25.4808	420.324	25.6291		424.5912	25.7773
416.2092	25.4861	420.4764	25.6344		424.7436	25.7826
416.3616	25.4914	420.6288	25.6397		424.896	25.7879
416.514	25.4967	420.7812	25.645		425.0484	25.7932
416.6664	25.502	420.9336	25.6503		425.2008	25.7985
416.8188	25.5073	421.086	25.6556		425.3532	25.8038
416.9712	25.5126	421.2384	25.6608		425.5056	25.8091
417.1236	25.5179	421.3908	25.6661		425.658	25.8144
417.276	25.5232	421.5432	25.6714		425.8104	25.8197
417.4284	25.5285	421.6956	25.6767		425.9628	25.825
417.5808	25.5338	421.848	25.682		426.1152	25.8303
417.7332	25.5391	422.0004	25.6873		426.2676	25.8356
417.8856	25.5444	422.1528	25.6926		426.42	25.8409
418.038	25.5497	422.3052	25.6979		426.5724	25.8462
418.1904	25.5549	422.4576	25.7032		426.7248	25.8515
418.3428	25.5602	422.61	25.7085		426.8772	25.8568
418.4952	25.5655	422.7624	25.7138		427.0296	25.8621
418.6476	25.5708	422.9148	25.7191		427.182	25.8673

427.3344	25.8726	431.9064	26.0315	436.4784	26.1903
427.4868	25.8779	432.0588	26.0368	436.6308	26.1956
427.6392	25.8832	432.2112	26.0421	436.7832	26.2009
427.7916	25.8885	432.3636	26.0474	436.9356	26.2062
427.944	25.8938	432.516	26.0527	437.088	26.2115
428.0964	25.8991	432.6684	26.058	437.2404	26.2168
428.2488	25.9044	432.8208	26.0633	437.3928	26.2221
428.4012	25.9097	432.9732	26.0686	437.5452	26.2274
428.5536	25.915	433.1256	26.0739	437.6976	26.2327
428.706	25.9203	433.278	26.0791	437.85	26.238
428.8584	25.9256	433.4304	26.0844	438.0024	26.2433
429.0108	25.9309	433.5828	26.0897	438.1548	26.2486
429.1632	25.9362	433.7352	26.095	438.3072	26.2539
429.3156	25.9415	433.8876	26.1003	438.4596	26.2592
429.468	25.9468	434.04	26.1056	438.612	26.2645
429.6204	25.9521	434.1924	26.1109	438.7644	26.2698
429.7728	25.9574	434.3448	26.1162	438.9168	26.2751
429.9252	25.9627	434.4972	26.1215	439.0692	26.2804
430.0776	25.968	434.6496	26.1268	439.2216	26.2857
430.23	25.9732	434.802	26.1321	439.374	26.2909
430.3824	25.9785	434.9544	26.1374	439.5264	26.2962
430.5348	25.9838	435.1068	26.1427	439.6788	26.3015
430.6872	25.9891	435.2592	26.148	439.8312	26.3068
430.8396	25.9944	435.4116	26.1533	439.9836	26.3121
430.992	25.9997	435.564	26.1586	440.136	26.3174
431.1444	26.005	435.7164	26.1639	440.2884	26.3227
431.2968	26.0103	435.8688	26.1692	440.4408	26.328
431.4492	26.0156	436.0212	26.1745	440.5932	26.3333
431.6016	26.0209	436.1736	26.1798	440.7456	26.3386
431.754	26.0262	436.326	26.185	440.898	26.3439

441.0504	26.3492	445.6224	26.508	450.1944	26.6669
441.2028	26.3545	445.7748	26.5133	450.3468	26.6722
441.3552	26.3598	445.9272	26.5186	450.4992	26.6775
441.5076	26.3651	446.0796	26.5239	450.6516	26.6828
441.66	26.3704	446.232	26.5292	450.804	26.6881
441.8124	26.3757	446.3844	26.5345	450.9564	26.6934
441.9648	26.381	446.5368	26.5398	451.1088	26.6987
442.1172	26.3863	446.6892	26.5451	451.2612	26.704
442.2696	26.3916	446.8416	26.5504	451.4136	26.7092
442.422	26.3968	446.994	26.5557	451.566	26.7145
442.5744	26.4021	447.1464	26.561	451.7184	26.7198
442.7268	26.4074	447.2988	26.5663	451.8708	26.7251
442.8792	26.4127	447.4512	26.5716	452.0232	26.7304
443.0316	26.418	447.6036	26.5769	452.1756	26.7357
443.184	26.4233	447.756	26.5822	452.328	26.741
443.3364	26.4286	447.9084	26.5875	452.4804	26.7463
443.4888	26.4339	448.0608	26.5928	452.6328	26.7516
443.6412	26.4392	448.2132	26.5981	452.7852	26.7569
443.7936	26.4445	448.3656	26.6033	452.9376	26.7622
443.946	26.4498	448.518	26.6086	453.09	26.7675
444.0984	26.4551	448.6704	26.6139	453.2424	26.7728
444.2508	26.4604	448.8228	26.6192	453.3948	26.7781
444.4032	26.4657	448.9752	26.6245	453.5472	26.7834
444.5556	26.471	449.1276	26.6298	453.6996	26.7887
444.708	26.4763	449.28	26.6351	453.852	26.794
444.8604	26.4816	449.4324	26.6404	454.0044	26.7993
445.0128	26.4869	449.5848	26.6457	454.1568	26.8046
445.1652	26.4922	449.7372	26.651	454.3092	26.8099
445.3176	26.4974	449.8896	26.6563	454.4616	26.8151
445.47	26.5027	450.042	26.6616	454.614	26.8204

454.7664	26.8257	459.3384	26.9846	463.9104	27.1434
454.9188	26.831	459.4908	26.9899	464.0628	27.1487
455.0712	26.8363	459.6432	26.9952	464.2152	27.154
455.2236	26.8416	459.7956	27.0005	464.3676	27.1593
455.376	26.8469	459.948	27.0058	464.52	27.1646
455.5284	26.8522	460.1004	27.0111	464.6724	27.1699
455.6808	26.8575	460.2528	27.0164	464.8248	27.1752
455.8332	26.8628	460.4052	27.0217	464.9772	27.1805
455.9856	26.8681	460.5576	27.0269	465.1296	27.1858
456.138	26.8734	460.71	27.0322	465.282	27.1911
456.2904	26.8787	460.8624	27.0375	465.4344	27.1964
456.4428	26.884	461.0148	27.0428	465.5868	27.2017
456.5952	26.8893	461.1672	27.0481	465.7392	27.207
456.7476	26.8946	461.3196	27.0534	465.8916	27.2123
456.9	26.8999	461.472	27.0587	466.044	27.2176
457.0524	26.9052	461.6244	27.064	466.1964	27.2229
457.2048	26.9105	461.7768	27.0693	466.3488	27.2282
457.3572	26.9158	461.9292	27.0746	466.5012	27.2334
457.5096	26.921	462.0816	27.0799	466.6536	27.2387
457.662	26.9263	462.234	27.0852	466.806	27.244
457.8144	26.9316	462.3864	27.0905	466.9584	27.2493
457.9668	26.9369	462.5388	27.0958	467.1108	27.2546
458.1192	26.9422	462.6912	27.1011	467.2632	27.2599
458.2716	26.9475	462.8436	27.1064	467.4156	27.2652
458.424	26.9528	462.996	27.1117	467.568	27.2705
458.5764	26.9581	463.1484	27.117	467.7204	27.2758
458.7288	26.9634	463.3008	27.1223	467.8728	27.2811
458.8812	26.9687	463.4532	27.1276	468.0252	27.2864
459.0336	26.974	463.6056	27.1328	468.1776	27.2917
459.186	26.9793	463.758	27.1381	468.33	27.297

468.4824	27.3023	473.0544	27.4611	477.6264	27.62
468.6348	27.3076	473.2068	27.4664	477.7788	27.6253
468.7872	27.3129	473.3592	27.4717	477.9312	27.6306
468.9396	27.3182	473.5116	27.477	478.0836	27.6359
469.092	27.3235	473.664	27.4823	478.236	27.6412
469.2444	27.3288	473.8164	27.4876	478.3884	27.6465
469.3968	27.3341	473.9688	27.4929	478.5408	27.6518
469.5492	27.3393	474.1212	27.4982	478.6932	27.657
469.7016	27.3446	474.2736	27.5035	478.8456	27.6623
469.854	27.3499	474.426	27.5088	478.998	27.6676
470.0064	27.3552	474.5784	27.5141	479.1504	27.6729
470.1588	27.3605	474.7308	27.5194	479.3028	27.6782
470.3112	27.3658	474.8832	27.5247	479.4552	27.6835
470.4636	27.3711	475.0356	27.53	479.6076	27.6888
470.616	27.3764	475.188	27.5353	479.76	27.6941
470.7684	27.3817	475.3404	27.5406	479.9124	27.6994
470.9208	27.387	475.4928	27.5459	480.0648	27.7047
471.0732	27.3923	475.6452	27.5511	480.2172	27.71
471.2256	27.3976	475.7976	27.5564	480.3696	27.7153
471.378	27.4029	475.95	27.5617	480.522	27.7206
471.5304	27.4082	476.1024	27.567	480.6744	27.7259
471.6828	27.4135	476.2548	27.5723	480.8268	27.7312
471.8352	27.4188	476.4072	27.5776	480.9792	27.7365
471.9876	27.4241	476.5596	27.5829	481.1316	27.7418
472.14	27.4294	476.712	27.5882	481.284	27.7471
472.2924	27.4347	476.8644	27.5935	481.4364	27.7524
472.4448	27.44	477.0168	27.5988	481.5888	27.7577
472.5972	27.4452	477.1692	27.6041	481.7412	27.7629
472.7496	27.4505	477.3216	27.6094	481.8936	27.7682
472.902	27.4558	477.474	27.6147	482.046	27.7735

482.1984	27.7788	486.7704	27.9377	491.3424	28.0965
482.3508	27.7841	486.9228	27.943	491.4948	28.1018
482.5032	27.7894	487.0752	27.9483	491.6472	28.1071
482.6556	27.7947	487.2276	27.9536	491.7996	28.1124
482.808	27.8	487.38	27.9589	491.952	28.1177
482.9604	27.8053	487.5324	27.9642	492.1044	28.123
483.1128	27.8106	487.6848	27.9694	492.2568	28.1283
483.2652	27.8159	487.8372	27.9747	492.4092	28.1336
483.4176	27.8212	487.9896	27.98	492.5616	28.1389
483.57	27.8265	488.142	27.9853	492.714	28.1442
483.7224	27.8318	488.2944	27.9906	492.8664	28.1495
483.8748	27.8371	488.4468	27.9959	493.0188	28.1548
484.0272	27.8424	488.5992	28.0012	493.1712	28.1601
484.1796	27.8477	488.7516	28.0065	493.3236	28.1654
484.332	27.853	488.904	28.0118	493.476	28.1707
484.4844	27.8583	489.0564	28.0171	493.6284	28.176
484.6368	27.8636	489.2088	28.0224	493.7808	28.1812
484.7892	27.8688	489.3612	28.0277	493.9332	28.1865
484.9416	27.8741	489.5136	28.033	494.0856	28.1918
485.094	27.8794	489.666	28.0383	494.238	28.1971
485.2464	27.8847	489.8184	28.0436	494.3904	28.2024
485.3988	27.89	489.9708	28.0489	494.5428	28.2077
485.5512	27.8953	490.1232	28.0542	494.6952	28.213
485.7036	27.9006	490.2756	28.0595	494.8476	28.2183
485.856	27.9059	490.428	28.0648	495	28.2236
486.0084	27.9112	490.5804	28.0701	495.1524	28.2289
486.1608	27.9165	490.7328	28.0753	495.3048	28.2342
486.3132	27.9218	490.8852	28.0806	495.4572	28.2395
486.4656	27.9271	491.0376	28.0859	495.6096	28.2448
486.618	27.9324	491.19	28.0912	495.762	28.2501

495.9144	28.2554	500.4864	28.4142	505.0584	28.5731
496.0668	28.2607	500.6388	28.4195	505.2108	28.5784
496.2192	28.266	500.7912	28.4248	505.3632	28.5837
496.3716	28.2713	500.9436	28.4301	505.5156	28.589
496.524	28.2766	501.096	28.4354	505.668	28.5943
496.6764	28.2819	501.2484	28.4407	505.8204	28.5996
496.8288	28.2871	501.4008	28.446	505.9728	28.6048
496.9812	28.2924	501.5532	28.4513	506.1252	28.6101
497.1336	28.2977	501.7056	28.4566	506.2776	28.6154
497.286	28.303	501.858	28.4619	506.43	28.6207
497.4384	28.3083	502.0104	28.4672	506.5824	28.626
497.5908	28.3136	502.1628	28.4725	506.7348	28.6313
497.7432	28.3189	502.3152	28.4778	506.8872	28.6366
497.8956	28.3242	502.4676	28.4831	507.0396	28.6419
498.048	28.3295	502.62	28.4884	507.192	28.6472
498.2004	28.3348	502.7724	28.4937	507.3444	28.6525
498.3528	28.3401	502.9248	28.4989	507.4968	28.6578
498.5052	28.3454	503.0772	28.5042	507.6492	28.6631
498.6576	28.3507	503.2296	28.5095	507.8016	28.6684
498.81	28.356	503.382	28.5148	507.954	28.6737
498.9624	28.3613	503.5344	28.5201	508.1064	28.679
499.1148	28.3666	503.6868	28.5254	508.2588	28.6843
499.2672	28.3719	503.8392	28.5307	508.4112	28.6896
499.4196	28.3772	503.9916	28.536	508.5636	28.6949
499.572	28.3825	504.144	28.5413	508.716	28.7002
499.7244	28.3878	504.2964	28.5466	508.8684	28.7055
499.8768	28.393	504.4488	28.5519	509.0208	28.7107
500.0292	28.3983	504.6012	28.5572	509.1732	28.716
500.1816	28.4036	504.7536	28.5625	509.3256	28.7213
500.334	28.4089	504.906	28.5678	509.478	28.7266

509.6304	28.7319	514.2024	28.8908	518.7744	29.0496
509.7828	28.7372	514.3548	28.8961	518.9268	29.0549
509.9352	28.7425	514.5072	28.9014	519.0792	29.0602
510.0876	28.7478	514.6596	28.9067	519.2316	29.0655
510.24	28.7531	514.812	28.912	519.384	29.0708
510.3924	28.7584	514.9644	28.9172	519.5364	29.0761
510.5448	28.7637	515.1168	28.9225	519.6888	29.0814
510.6972	28.769	515.2692	28.9278	519.8412	29.0867
510.8496	28.7743	515.4216	28.9331	519.9936	29.092
511.002	28.7796	515.574	28.9384	520.146	29.0973
511.1544	28.7849	515.7264	28.9437	520.2984	29.1026
511.3068	28.7902	515.8788	28.949	520.4508	29.1079
511.4592	28.7955	516.0312	28.9543	520.6032	29.1132
511.6116	28.8008	516.1836	28.9596	520.7556	29.1185
511.764	28.8061	516.336	28.9649	520.908	29.1238
511.9164	28.8113	516.4884	28.9702	521.0604	29.129
512.0688	28.8166	516.6408	28.9755	521.2128	29.1343
512.2212	28.8219	516.7932	28.9808	521.3652	29.1396
512.3736	28.8272	516.9456	28.9861	521.5176	29.1449
512.526	28.8325	517.098	28.9914	521.67	29.1502
512.6784	28.8378	517.2504	28.9967	521.8224	29.1555
512.8308	28.8431	517.4028	29.002	521.9748	29.1608
512.9832	28.8484	517.5552	29.0073	522.1272	29.1661
513.1356	28.8537	517.7076	29.0126	522.2796	29.1714
513.288	28.859	517.86	29.0179	522.432	29.1767
513.4404	28.8643	518.0124	29.0231	522.5844	29.182
513.5928	28.8696	518.1648	29.0284	522.7368	29.1873
513.7452	28.8749	518.3172	29.0337	522.8892	29.1926
513.8976	28.8802	518.4696	29.039	523.0416	29.1979
514.05	28.8855	518.622	29.0443	523.194	29.2032

523.3464	29.2085	527.9184	29.3673	532.4904	29.5262
523.4988	29.2138	528.0708	29.3726	532.6428	29.5315
523.6512	29.2191	528.2232	29.3779	532.7952	29.5368
523.8036	29.2244	528.3756	29.3832	532.9476	29.5421
523.956	29.2297	528.528	29.3885	533.1	29.5473
524.1084	29.2349	528.6804	29.3938	533.2524	29.5526
524.2608	29.2402	528.8328	29.3991	533.4048	29.5579
524.4132	29.2455	528.9852	29.4044	533.5572	29.5632
524.5656	29.2508	529.1376	29.4097	533.7096	29.5685
524.718	29.2561	529.29	29.415	533.862	29.5738
524.8704	29.2614	529.4424	29.4203	534.0144	29.5791
525.0228	29.2667	529.5948	29.4256	534.1668	29.5844
525.1752	29.272	529.7472	29.4309	534.3192	29.5897
525.3276	29.2773	529.8996	29.4362	534.4716	29.595
525.48	29.2826	530.052	29.4415	534.624	29.6003
525.6324	29.2879	530.2044	29.4467	534.7764	29.6056
525.7848	29.2932	530.3568	29.452	534.9288	29.6109
525.9372	29.2985	530.5092	29.4573	535.0812	29.6162
526.0896	29.3038	530.6616	29.4626	535.2336	29.6215
526.242	29.3091	530.814	29.4679	535.386	29.6268
526.3944	29.3144	530.9664	29.4732	535.5384	29.6321
526.5468	29.3197	531.1188	29.4785	535.6908	29.6374
526.6992	29.325	531.2712	29.4838	535.8432	29.6427
526.8516	29.3303	531.4236	29.4891	535.9956	29.648
527.004	29.3356	531.576	29.4944	536.148	29.6532
527.1564	29.3408	531.7284	29.4997	536.3004	29.6585
527.3088	29.3461	531.8808	29.505	536.4528	29.6638
527.4612	29.3514	532.0332	29.5103	536.6052	29.6691
527.6136	29.3567	532.1856	29.5156	536.7576	29.6744
527.766	29.362	532.338	29.5209	536.91	29.6797

537.0624	29.685	541.6344	29.8439	546.2064	30.0027
537.2148	29.6903	541.7868	29.8492	546.3588	30.008
537.3672	29.6956	541.9392	29.8545	546.5112	30.0133
537.5196	29.7009	542.0916	29.8598	546.6636	30.0186
537.672	29.7062	542.244	29.865	546.816	30.0239
537.8244	29.7115	542.3964	29.8703	546.9684	30.0292
537.9768	29.7168	542.5488	29.8756	547.1208	30.0345
538.1292	29.7221	542.7012	29.8809	547.2732	30.0398
538.2816	29.7274	542.8536	29.8862	547.4256	30.0451
538.434	29.7327	543.006	29.8915	547.578	30.0504
538.5864	29.738	543.1584	29.8968	547.7304	30.0557
538.7388	29.7433	543.3108	29.9021	547.8828	30.061
538.8912	29.7486	543.4632	29.9074	548.0352	30.0663
539.0436	29.7539	543.6156	29.9127	548.1876	30.0716
539.196	29.7591	543.768	29.918	548.34	30.0768
539.3484	29.7644	543.9204	29.9233	548.4924	30.0821
539.5008	29.7697	544.0728	29.9286	548.6448	30.0874
539.6532	29.775	544.2252	29.9339	548.7972	30.0927
539.8056	29.7803	544.3776	29.9392	548.9496	30.098
539.958	29.7856	544.53	29.9445	549.102	30.1033
540.1104	29.7909	544.6824	29.9498	549.2544	30.1086
540.2628	29.7962	544.8348	29.9551	549.4068	30.1139
540.4152	29.8015	544.9872	29.9604	549.5592	30.1192
540.5676	29.8068	545.1396	29.9657	549.7116	30.1245
540.72	29.8121	545.292	29.9709	549.864	30.1298
540.8724	29.8174	545.4444	29.9762	550.0164	30.1351
541.0248	29.8227	545.5968	29.9815	550.1688	30.1404
541.1772	29.828	545.7492	29.9868	550.3212	30.1457
541.3296	29.8333	545.9016	29.9921	550.4736	30.151
541.482	29.8386	546.054	29.9974	550.626	30.1563

550.7784	30.1616	555.3504	30.3204	559.9224	30.4793
550.9308	30.1669	555.5028	30.3257	560.0748	30.4846
551.0832	30.1722	555.6552	30.331	560.2272	30.4899
551.2356	30.1775	555.8076	30.3363	560.3796	30.4951
551.388	30.1827	555.96	30.3416	560.532	30.5004
551.5404	30.188	556.1124	30.3469	560.6844	30.5057
551.6928	30.1933	556.2648	30.3522	560.8368	30.511
551.8452	30.1986	556.4172	30.3575	560.9892	30.5163
551.9976	30.2039	556.5696	30.3628	561.1416	30.5216
552.15	30.2092	556.722	30.3681	561.294	30.5269
552.3024	30.2145	556.8744	30.3734	561.4464	30.5322
552.4548	30.2198	557.0268	30.3787	561.5988	30.5375
552.6072	30.2251	557.1792	30.384	561.7512	30.5428
552.7596	30.2304	557.3316	30.3892	561.9036	30.5481
552.912	30.2357	557.484	30.3945	562.056	30.5534
553.0644	30.241	557.6364	30.3998	562.2084	30.5587
553.2168	30.2463	557.7888	30.4051	562.3608	30.564
553.3692	30.2516	557.9412	30.4104	562.5132	30.5693
553.5216	30.2569	558.0936	30.4157	562.6656	30.5746
553.674	30.2622	558.246	30.421	562.818	30.5799
553.8264	30.2675	558.3984	30.4263	562.9704	30.5852
553.9788	30.2728	558.5508	30.4316	563.1228	30.5905
554.1312	30.2781	558.7032	30.4369	563.2752	30.5958
554.2836	30.2834	558.8556	30.4422	563.4276	30.601
554.436	30.2886	559.008	30.4475	563.58	30.6063
554.5884	30.2939	559.1604	30.4528	563.7324	30.6116
554.7408	30.2992	559.3128	30.4581	563.8848	30.6169
554.8932	30.3045	559.4652	30.4634	564.0372	30.6222
555.0456	30.3098	559.6176	30.4687	564.1896	30.6275
555.198	30.3151	559.77	30.474	564.342	30.6328

564.4944	30.6381	569.0664	30.797	573.6384	30.9558
564.6468	30.6434	569.2188	30.8023	573.7908	30.9611
564.7992	30.6487	569.3712	30.8076	573.9432	30.9664
564.9516	30.654	569.5236	30.8128	574.0956	30.9717
565.104	30.6593	569.676	30.8181	574.248	30.977
565.2564	30.6646	569.8284	30.8234	574.4004	30.9823
565.4088	30.6699	569.9808	30.8287	574.5528	30.9876
565.5612	30.6752	570.1332	30.834	574.7052	30.9929
565.7136	30.6805	570.2856	30.8393	574.8576	30.9982
565.866	30.6858	570.438	30.8446	575.01	31.0035
566.0184	30.6911	570.5904	30.8499	575.1624	31.0088
566.1708	30.6964	570.7428	30.8552	575.3148	31.0141
566.3232	30.7017	570.8952	30.8605	575.4672	31.0194
566.4756	30.7069	571.0476	30.8658	575.6196	31.0246
566.628	30.7122	571.2	30.8711	575.772	31.0299
566.7804	30.7175	571.3524	30.8764	575.9244	31.0352
566.9328	30.7228	571.5048	30.8817	576.0768	31.0405
567.0852	30.7281	571.6572	30.887	576.2292	31.0458
567.2376	30.7334	571.8096	30.8923	576.3816	31.0511
567.39	30.7387	571.962	30.8976	576.534	31.0564
567.5424	30.744	572.1144	30.9029	576.6864	31.0617
567.6948	30.7493	572.2668	30.9082	576.8388	31.067
567.8472	30.7546	572.4192	30.9135	576.9912	31.0723
567.9996	30.7599	572.5716	30.9187	577.1436	31.0776
568.152	30.7652	572.724	30.924	577.296	31.0829
568.3044	30.7705	572.8764	30.9293	577.4484	31.0882
568.4568	30.7758	573.0288	30.9346	577.6008	31.0935
568.6092	30.7811	573.1812	30.9399	577.7532	31.0988
568.7616	30.7864	573.3336	30.9452	577.9056	31.1041
568.914	30.7917	573.486	30.9505	578.058	31.1094

578.2104	31.1147	582.7824	31.2735	587.3544	31.4324
578.3628	31.12	582.9348	31.2788	587.5068	31.4377
578.5152	31.1252	583.0872	31.2841	587.6592	31.4429
578.6676	31.1305	583.2396	31.2894	587.8116	31.4482
578.82	31.1358	583.392	31.2947	587.964	31.4535
578.9724	31.1411	583.5444	31.3	588.1164	31.4588
579.1248	31.1464	583.6968	31.3053	588.2688	31.4641
579.2772	31.1517	583.8492	31.3106	588.4212	31.4694
579.4296	31.157	584.0016	31.3159	588.5736	31.4747
579.582	31.1623	584.154	31.3212	588.726	31.48
579.7344	31.1676	584.3064	31.3265	588.8784	31.4853
579.8868	31.1729	584.4588	31.3318	589.0308	31.4906
580.0392	31.1782	584.6112	31.337	589.1832	31.4959
580.1916	31.1835	584.7636	31.3423	589.3356	31.5012
580.344	31.1888	584.916	31.3476	589.488	31.5065
580.4964	31.1941	585.0684	31.3529	589.6404	31.5118
580.6488	31.1994	585.2208	31.3582	589.7928	31.5171
580.8012	31.2047	585.3732	31.3635	589.9452	31.5224
580.9536	31.21	585.5256	31.3688	590.0976	31.5277
581.106	31.2153	585.678	31.3741	590.25	31.533
581.2584	31.2206	585.8304	31.3794	590.4024	31.5383
581.4108	31.2259	585.9828	31.3847	590.5548	31.5436
581.5632	31.2311	586.1352	31.39	590.7072	31.5488
581.7156	31.2364	586.2876	31.3953	590.8596	31.5541
581.868	31.2417	586.44	31.4006	591.012	31.5594
582.0204	31.247	586.5924	31.4059	591.1644	31.5647
582.1728	31.2523	586.7448	31.4112	591.3168	31.57
582.3252	31.2576	586.8972	31.4165	591.4692	31.5753
582.4776	31.2629	587.0496	31.4218	591.6216	31.5806
582.63	31.2682	587.202	31.4271	591.774	31.5859

591.9264	31.5912	596.4984	31.7501	601.0704	31.9089
592.0788	31.5965	596.6508	31.7554	601.2228	31.9142
592.2312	31.6018	596.8032	31.7606	601.3752	31.9195
592.3836	31.6071	596.9556	31.7659	601.5276	31.9248
592.536	31.6124	597.108	31.7712	601.68	31.9301
592.6884	31.6177	597.2604	31.7765	601.8324	31.9354
592.8408	31.623	597.4128	31.7818	601.9848	31.9407
592.9932	31.6283	597.5652	31.7871	602.1372	31.946
593.1456	31.6336	597.7176	31.7924	602.2896	31.9513
593.298	31.6389	597.87	31.7977	602.442	31.9566
593.4504	31.6442	598.0224	31.803	602.5944	31.9619
593.6028	31.6495	598.1748	31.8083	602.7468	31.9671
593.7552	31.6547	598.3272	31.8136	602.8992	31.9724
593.9076	31.66	598.4796	31.8189	603.0516	31.9777
594.06	31.6653	598.632	31.8242	603.204	31.983
594.2124	31.6706	598.7844	31.8295	603.3564	31.9883
594.3648	31.6759	598.9368	31.8348	603.5088	31.9936
594.5172	31.6812	599.0892	31.8401	603.6612	31.9989
594.6696	31.6865	599.2416	31.8454	603.8136	32.0042
594.822	31.6918	599.394	31.8507	603.966	32.0095
594.9744	31.6971	599.5464	31.856	604.1184	32.0148
595.1268	31.7024	599.6988	31.8612	604.2708	32.0201
595.2792	31.7077	599.8512	31.8665	604.4232	32.0254
595.4316	31.713	600.0036	31.8718	604.5756	32.0307
595.584	31.7183	600.156	31.8771	604.728	32.036
595.7364	31.7236	600.3084	31.8824	604.8804	32.0413
595.8888	31.7289	600.4608	31.8877	605.0328	32.0466
596.0412	31.7342	600.6132	31.893	605.1852	32.0519
596.1936	31.7395	600.7656	31.8983	605.3376	32.0572
596.346	31.7448	600.918	31.9036	605.49	32.0625

605.6424	32.0678	610.2144	32.2266	614.7864	32.3855
605.7948	32.073	610.3668	32.2319	614.9388	32.3907
605.9472	32.0783	610.5192	32.2372	615.0912	32.396
606.0996	32.0836	610.6716	32.2425	615.2436	32.4013
606.252	32.0889	610.824	32.2478	615.396	32.4066
606.4044	32.0942	610.9764	32.2531	615.5484	32.4119
606.5568	32.0995	611.1288	32.2584	615.7008	32.4172
606.7092	32.1048	611.2812	32.2637	615.8532	32.4225
606.8616	32.1101	611.4336	32.269	616.0056	32.4278
607.014	32.1154	611.586	32.2743	616.158	32.4331
607.1664	32.1207	611.7384	32.2796	616.3104	32.4384
607.3188	32.126	611.8908	32.2848	616.4628	32.4437
607.4712	32.1313	612.0432	32.2901	616.6152	32.449
607.6236	32.1366	612.1956	32.2954	616.7676	32.4543
607.776	32.1419	612.348	32.3007	616.92	32.4596
607.9284	32.1472	612.5004	32.306	617.0724	32.4649
608.0808	32.1525	612.6528	32.3113	617.2248	32.4702
608.2332	32.1578	612.8052	32.3166	617.3772	32.4755
608.3856	32.1631	612.9576	32.3219	617.5296	32.4808
608.538	32.1684	613.11	32.3272	617.682	32.4861
608.6904	32.1737	613.2624	32.3325	617.8344	32.4914
608.8428	32.1789	613.4148	32.3378	617.9868	32.4966
608.9952	32.1842	613.5672	32.3431	618.1392	32.5019
609.1476	32.1895	613.7196	32.3484	618.2916	32.5072
609.3	32.1948	613.872	32.3537	618.444	32.5125
609.4524	32.2001	614.0244	32.359	618.5964	32.5178
609.6048	32.2054	614.1768	32.3643	618.7488	32.5231
609.7572	32.2107	614.3292	32.3696	618.9012	32.5284
609.9096	32.216	614.4816	32.3749	619.0536	32.5337
610.062	32.2213	614.634	32.3802	619.206	32.539

619.3584	32.5443	623.9304	32.7032	628.5024	32.862
619.5108	32.5496	624.0828	32.7084	628.6548	32.8673
619.6632	32.5549	624.2352	32.7137	628.8072	32.8726
619.8156	32.5602	624.3876	32.719	628.9596	32.8779
619.968	32.5655	624.54	32.7243	629.112	32.8832
620.1204	32.5708	624.6924	32.7296	629.2644	32.8885
620.2728	32.5761	624.8448	32.7349	629.4168	32.8938
620.4252	32.5814	624.9972	32.7402	629.5692	32.8991
620.5776	32.5867	625.1496	32.7455	629.7216	32.9044
620.73	32.592	625.302	32.7508	629.874	32.9097
620.8824	32.5973	625.4544	32.7561	630.0264	32.9149
621.0348	32.6025	625.6068	32.7614	630.1788	32.9202
621.1872	32.6078	625.7592	32.7667	630.3312	32.9255
621.3396	32.6131	625.9116	32.772	630.4836	32.9308
621.492	32.6184	626.064	32.7773	630.636	32.9361
621.6444	32.6237	626.2164	32.7826	630.7884	32.9414
621.7968	32.629	626.3688	32.7879	630.9408	32.9467
621.9492	32.6343	626.5212	32.7932	631.0932	32.952
622.1016	32.6396	626.6736	32.7985	631.2456	32.9573
622.254	32.6449	626.826	32.8038	631.398	32.9626
622.4064	32.6502	626.9784	32.809	631.5504	32.9679
622.5588	32.6555	627.1308	32.8143	631.7028	32.9732
622.7112	32.6608	627.2832	32.8196	631.8552	32.9785
622.8636	32.6661	627.4356	32.8249	632.0076	32.9838
623.016	32.6714	627.588	32.8302	632.16	32.9891
623.1684	32.6767	627.7404	32.8355	632.3124	32.9944
623.3208	32.682	627.8928	32.8408	632.4648	32.9997
623.4732	32.6873	628.0452	32.8461	632.6172	33.005
623.6256	32.6926	628.1976	32.8514	632.7696	33.0103
623.778	32.6979	628.35	32.8567	632.922	33.0156

633.0744	33.0208	637.6464	33.1797	642.2184	33.3385
633.2268	33.0261	637.7988	33.185	642.3708	33.3438
633.3792	33.0314	637.9512	33.1903	642.5232	33.3491
633.5316	33.0367	638.1036	33.1956	642.6756	33.3544
633.684	33.042	638.256	33.2009	642.828	33.3597
633.8364	33.0473	638.4084	33.2062	642.9804	33.365
633.9888	33.0526	638.5608	33.2115	643.1328	33.3703
634.1412	33.0579	638.7132	33.2168	643.2852	33.3756
634.2936	33.0632	638.8656	33.2221	643.4376	33.3809
634.446	33.0685	639.018	33.2274	643.59	33.3862
634.5984	33.0738	639.1704	33.2326	643.7424	33.3915
634.7508	33.0791	639.3228	33.2379	643.8948	33.3968
634.9032	33.0844	639.4752	33.2432	644.0472	33.4021
635.0556	33.0897	639.6276	33.2485	644.1996	33.4074
635.208	33.095	639.78	33.2538	644.352	33.4127
635.3604	33.1003	639.9324	33.2591	644.5044	33.418
635.5128	33.1056	640.0848	33.2644	644.6568	33.4233
635.6652	33.1109	640.2372	33.2697	644.8092	33.4286
635.8176	33.1162	640.3896	33.275	644.9616	33.4339
635.97	33.1215	640.542	33.2803	645.114	33.4392
636.1224	33.1267	640.6944	33.2856	645.2664	33.4444
636.2748	33.132	640.8468	33.2909	645.4188	33.4497
636.4272	33.1373	640.9992	33.2962	645.5712	33.455
636.5796	33.1426	641.1516	33.3015	645.7236	33.4603
636.732	33.1479	641.304	33.3068	645.876	33.4656
636.8844	33.1532	641.4564	33.3121	646.0284	33.4709
637.0368	33.1585	641.6088	33.3174	646.1808	33.4762
637.1892	33.1638	641.7612	33.3227	646.3332	33.4815
637.3416	33.1691	641.9136	33.328	646.4856	33.4868
637.494	33.1744	642.066	33.3333	646.638	33.4921

646.7904	33.4974	651.3624	33.6562	655.9344	33.8151
646.9428	33.5027	651.5148	33.6615	656.0868	33.8204
647.0952	33.508	651.6672	33.6668	656.2392	33.8257
647.2476	33.5133	651.8196	33.6721	656.3916	33.831
647.4	33.5186	651.972	33.6774	656.544	33.8363
647.5524	33.5239	652.1244	33.6827	656.6964	33.8416
647.7048	33.5292	652.2768	33.688	656.8488	33.8469
647.8572	33.5345	652.4292	33.6933	657.0012	33.8522
648.0096	33.5398	652.5816	33.6986	657.1536	33.8575
648.162	33.545	652.734	33.7039	657.306	33.8627
648.3144	33.5503	652.8864	33.7092	657.4584	33.868
648.4668	33.5556	653.0388	33.7145	657.6108	33.8733
648.6192	33.5609	653.1912	33.7198	657.7632	33.8786
648.7716	33.5662	653.3436	33.7251	657.9156	33.8839
648.924	33.5715	653.496	33.7304	658.068	33.8892
649.0764	33.5768	653.6484	33.7357	658.2204	33.8945
649.2288	33.5821	653.8008	33.741	658.3728	33.8998
649.3812	33.5874	653.9532	33.7463	658.5252	33.9051
649.5336	33.5927	654.1056	33.7516	658.6776	33.9104
649.686	33.598	654.258	33.7568	658.83	33.9157
649.8384	33.6033	654.4104	33.7621	658.9824	33.921
649.9908	33.6086	654.5628	33.7674	659.1348	33.9263
650.1432	33.6139	654.7152	33.7727	659.2872	33.9316
650.2956	33.6192	654.8676	33.778	659.4396	33.9369
650.448	33.6245	655.02	33.7833	659.592	33.9422
650.6004	33.6298	655.1724	33.7886	659.7444	33.9475
650.7528	33.6351	655.3248	33.7939	659.8968	33.9528
650.9052	33.6404	655.4772	33.7992	660.0492	33.9581
651.0576	33.6457	655.6296	33.8045	660.2016	33.9634
651.21	33.6509	655.782	33.8098	660.354	33.9686

660.5064	33.9739	665.0784	34.1328	669.6504	34.2916
660.6588	33.9792	665.2308	34.1381	669.8028	34.2969
660.8112	33.9845	665.3832	34.1434	669.9552	34.3022
660.9636	33.9898	665.5356	34.1487	670.1076	34.3075
661.116	33.9951	665.688	34.154	670.26	34.3128
661.2684	34.0004	665.8404	34.1593	670.4124	34.3181
661.4208	34.0057	665.9928	34.1646	670.5648	34.3234
661.5732	34.011	666.1452	34.1699	670.7172	34.3287
661.7256	34.0163	666.2976	34.1752	670.8696	34.334
661.878	34.0216	666.45	34.1804	671.022	34.3393
662.0304	34.0269	666.6024	34.1857	671.1744	34.3446
662.1828	34.0322	666.7548	34.191	671.3268	34.3499
662.3352	34.0375	666.9072	34.1963	671.4792	34.3552
662.4876	34.0428	667.0596	34.2016	671.6316	34.3605
662.64	34.0481	667.212	34.2069	671.784	34.3658
662.7924	34.0534	667.3644	34.2122	671.9364	34.3711
662.9448	34.0587	667.5168	34.2175	672.0888	34.3764
663.0972	34.064	667.6692	34.2228	672.2412	34.3817
663.2496	34.0693	667.8216	34.2281	672.3936	34.3869
663.402	34.0745	667.974	34.2334	672.546	34.3922
663.5544	34.0798	668.1264	34.2387	672.6984	34.3975
663.7068	34.0851	668.2788	34.244	672.8508	34.4028
663.8592	34.0904	668.4312	34.2493	673.0032	34.4081
664.0116	34.0957	668.5836	34.2546	673.1556	34.4134
664.164	34.101	668.736	34.2599	673.308	34.4187
664.3164	34.1063	668.8884	34.2652	673.4604	34.424
664.4688	34.1116	669.0408	34.2705	673.6128	34.4293
664.6212	34.1169	669.1932	34.2758	673.7652	34.4346
664.7736	34.1222	669.3456	34.281	673.9176	34.4399
664.926	34.1275	669.498	34.2863	674.07	34.4452

674.2224	34.4505	678.7944	34.6093	683.3664	34.7682
674.3748	34.4558	678.9468	34.6146	683.5188	34.7735
674.5272	34.4611	679.0992	34.6199	683.6712	34.7788
674.6796	34.4664	679.2516	34.6252	683.8236	34.7841
674.832	34.4717	679.404	34.6305	683.976	34.7894
674.9844	34.477	679.5564	34.6358	684.1284	34.7947
675.1368	34.4823	679.7088	34.6411	684.2808	34.8
675.2892	34.4876	679.8612	34.6464	684.4332	34.8053
675.4416	34.4928	680.0136	34.6517	684.5856	34.8105
675.594	34.4981	680.166	34.657	684.738	34.8158
675.7464	34.5034	680.3184	34.6623	684.8904	34.8211
675.8988	34.5087	680.4708	34.6676	685.0428	34.8264
676.0512	34.514	680.6232	34.6729	685.1952	34.8317
676.2036	34.5193	680.7756	34.6782	685.3476	34.837
676.356	34.5246	680.928	34.6835	685.5	34.8423
676.5084	34.5299	681.0804	34.6888	685.6524	34.8476
676.6608	34.5352	681.2328	34.6941	685.8048	34.8529
676.8132	34.5405	681.3852	34.6994	685.9572	34.8582
676.9656	34.5458	681.5376	34.7046	686.1096	34.8635
677.118	34.5511	681.69	34.7099	686.262	34.8688
677.2704	34.5564	681.8424	34.7152	686.4144	34.8741
677.4228	34.5617	681.9948	34.7205	686.5668	34.8794
677.5752	34.567	682.1472	34.7258	686.7192	34.8847
677.7276	34.5723	682.2996	34.7311	686.8716	34.89
677.88	34.5776	682.452	34.7364	687.024	34.8953
678.0324	34.5829	682.6044	34.7417	687.1764	34.9006
678.1848	34.5882	682.7568	34.747	687.3288	34.9059
678.3372	34.5935	682.9092	34.7523	687.4812	34.9112
678.4896	34.5987	683.0616	34.7576	687.6336	34.9164
678.642	34.604	683.214	34.7629	687.786	34.9217

687.9384	34.927	692.5104	35.0859	697.0824	35.2447
688.0908	34.9323	692.6628	35.0912	697.2348	35.25
688.2432	34.9376	692.8152	35.0965	697.3872	35.2553
688.3956	34.9429	692.9676	35.1018	697.5396	35.2606
688.548	34.9482	693.12	35.1071	697.692	35.2659
688.7004	34.9535	693.2724	35.1124	697.8444	35.2712
688.8528	34.9588	693.4248	35.1177	697.9968	35.2765
689.0052	34.9641	693.5772	35.1229	698.1492	35.2818
689.1576	34.9694	693.7296	35.1282	698.3016	35.2871
689.31	34.9747	693.882	35.1335	698.454	35.2924
689.4624	34.98	694.0344	35.1388	698.6064	35.2977
689.6148	34.9853	694.1868	35.1441	698.7588	35.303
689.7672	34.9906	694.3392	35.1494	698.9112	35.3083
689.9196	34.9959	694.4916	35.1547	699.0636	35.3136
690.072	35.0012	694.644	35.16	699.216	35.3189
690.2244	35.0065	694.7964	35.1653	699.3684	35.3242
690.3768	35.0118	694.9488	35.1706	699.5208	35.3295
690.5292	35.017	695.1012	35.1759	699.6732	35.3347
690.6816	35.0223	695.2536	35.1812	699.8256	35.34
690.834	35.0276	695.406	35.1865	699.978	35.3453
690.9864	35.0329	695.5584	35.1918	700.1304	35.3506
691.1388	35.0382	695.7108	35.1971	700.2828	35.3559
691.2912	35.0435	695.8632	35.2024	700.4352	35.3612
691.4436	35.0488	696.0156	35.2077	700.5876	35.3665
691.596	35.0541	696.168	35.213	700.74	35.3718
691.7484	35.0594	696.3204	35.2183	700.8924	35.3771
691.9008	35.0647	696.4728	35.2236	701.0448	35.3824
692.0532	35.07	696.6252	35.2288	701.1972	35.3877
692.2056	35.0753	696.7776	35.2341	701.3496	35.393
692.358	35.0806	696.93	35.2394	701.502	35.3983

701.6544	35.4036	706.2264	35.5624	710.7984	35.7213
701.8068	35.4089	706.3788	35.5677	710.9508	35.7266
701.9592	35.4142	706.5312	35.573	711.1032	35.7319
702.1116	35.4195	706.6836	35.5783	711.2556	35.7372
702.264	35.4248	706.836	35.5836	711.408	35.7425
702.4164	35.4301	706.9884	35.5889	711.5604	35.7478
702.5688	35.4354	707.1408	35.5942	711.7128	35.7531
702.7212	35.4406	707.2932	35.5995	711.8652	35.7583
702.8736	35.4459	707.4456	35.6048	712.0176	35.7636
703.026	35.4512	707.598	35.6101	712.17	35.7689
703.1784	35.4565	707.7504	35.6154	712.3224	35.7742
703.3308	35.4618	707.9028	35.6207	712.4748	35.7795
703.4832	35.4671	708.0552	35.626	712.6272	35.7848
703.6356	35.4724	708.2076	35.6313	712.7796	35.7901
703.788	35.4777	708.36	35.6366	712.932	35.7954
703.9404	35.483	708.5124	35.6419	713.0844	35.8007
704.0928	35.4883	708.6648	35.6472	713.2368	35.806
704.2452	35.4936	708.8172	35.6524	713.3892	35.8113
704.3976	35.4989	708.9696	35.6577	713.5416	35.8166
704.55	35.5042	709.122	35.663	713.694	35.8219
704.7024	35.5095	709.2744	35.6683	713.8464	35.8272
704.8548	35.5148	709.4268	35.6736	713.9988	35.8325
705.0072	35.5201	709.5792	35.6789	714.1512	35.8378
705.1596	35.5254	709.7316	35.6842	714.3036	35.8431
705.312	35.5307	709.884	35.6895	714.456	35.8484
705.4644	35.536	710.0364	35.6948	714.6084	35.8537
705.6168	35.5413	710.1888	35.7001	714.7608	35.8589
705.7692	35.5465	710.3412	35.7054	714.9132	35.8642
705.9216	35.5518	710.4936	35.7107	715.0656	35.8695
706.074	35.5571	710.646	35.716	715.218	35.8748

715.3704	35.8801	719.9424	36.039	724.5144	36.1978
715.5228	35.8854	720.0948	36.0443	724.6668	36.2031
715.6752	35.8907	720.2472	36.0496	724.8192	36.2084
715.8276	35.896	720.3996	36.0549	724.9716	36.2137
715.98	35.9013	720.552	36.0602	725.124	36.219
716.1324	35.9066	720.7044	36.0655	725.2764	36.2243
716.2848	35.9119	720.8568	36.0707	725.4288	36.2296
716.4372	35.9172	721.0092	36.076	725.5812	36.2349
716.5896	35.9225	721.1616	36.0813	725.7336	36.2402
716.742	35.9278	721.314	36.0866	725.886	36.2455
716.8944	35.9331	721.4664	36.0919	726.0384	36.2508
717.0468	35.9384	721.6188	36.0972	726.1908	36.2561
717.1992	35.9437	721.7712	36.1025	726.3432	36.2614
717.3516	35.949	721.9236	36.1078	726.4956	36.2667
717.504	35.9543	722.076	36.1131	726.648	36.272
717.6564	35.9596	722.2284	36.1184	726.8004	36.2773
717.8088	35.9648	722.3808	36.1237	726.9528	36.2825
717.9612	35.9701	722.5332	36.129	727.1052	36.2878
718.1136	35.9754	722.6856	36.1343	727.2576	36.2931
718.266	35.9807	722.838	36.1396	727.41	36.2984
718.4184	35.986	722.9904	36.1449	727.5624	36.3037
718.5708	35.9913	723.1428	36.1502	727.7148	36.309
718.7232	35.9966	723.2952	36.1555	727.8672	36.3143
718.8756	36.0019	723.4476	36.1608	728.0196	36.3196
719.028	36.0072	723.6	36.1661	728.172	36.3249
719.1804	36.0125	723.7524	36.1714	728.3244	36.3302
719.3328	36.0178	723.9048	36.1766	728.4768	36.3355
719.4852	36.0231	724.0572	36.1819	728.6292	36.3408
719.6376	36.0284	724.2096	36.1872	728.7816	36.3461
719.79	36.0337	724.362	36.1925	728.934	36.3514

729.0864	36.3567	733.6584	36.5155	738.2304	36.6744
729.2388	36.362	733.8108	36.5208	738.3828	36.6797
729.3912	36.3673	733.9632	36.5261	738.5352	36.685
729.5436	36.3726	734.1156	36.5314	738.6876	36.6903
729.696	36.3779	734.268	36.5367	738.84	36.6956
729.8484	36.3832	734.4204	36.542	738.9924	36.7008
730.0008	36.3884	734.5728	36.5473	739.1448	36.7061
730.1532	36.3937	734.7252	36.5526	739.2972	36.7114
730.3056	36.399	734.8776	36.5579	739.4496	36.7167
730.458	36.4043	735.03	36.5632	739.602	36.722
730.6104	36.4096	735.1824	36.5685	739.7544	36.7273
730.7628	36.4149	735.3348	36.5738	739.9068	36.7326
730.9152	36.4202	735.4872	36.5791	740.0592	36.7379
731.0676	36.4255	735.6396	36.5844	740.2116	36.7432
731.22	36.4308	735.792	36.5897	740.364	36.7485
731.3724	36.4361	735.9444	36.5949	740.5164	36.7538
731.5248	36.4414	736.0968	36.6002	740.6688	36.7591
731.6772	36.4467	736.2492	36.6055	740.8212	36.7644
731.8296	36.452	736.4016	36.6108	740.9736	36.7697
731.982	36.4573	736.554	36.6161	741.126	36.775
732.1344	36.4626	736.7064	36.6214	741.2784	36.7803
732.2868	36.4679	736.8588	36.6267	741.4308	36.7856
732.4392	36.4732	737.0112	36.632	741.5832	36.7909
732.5916	36.4785	737.1636	36.6373	741.7356	36.7962
732.744	36.4838	737.316	36.6426	741.888	36.8015
732.8964	36.4891	737.4684	36.6479	742.0404	36.8067
733.0488	36.4943	737.6208	36.6532	742.1928	36.812
733.2012	36.4996	737.7732	36.6585	742.3452	36.8173
733.3536	36.5049	737.9256	36.6638	742.4976	36.8226
733.506	36.5102	738.078	36.6691	742.65	36.8279

742.8024	36.8332	747.3744	36.9921	751.9464	37.1509
742.9548	36.8385	747.5268	36.9974	752.0988	37.1562
743.1072	36.8438	747.6792	37.0027	752.2512	37.1615
743.2596	36.8491	747.8316	37.008	752.4036	37.1668
743.412	36.8544	747.984	37.0133	752.556	37.1721
743.5644	36.8597	748.1364	37.0185	752.7084	37.1774
743.7168	36.865	748.2888	37.0238	752.8608	37.1827
743.8692	36.8703	748.4412	37.0291	753.0132	37.188
744.0216	36.8756	748.5936	37.0344	753.1656	37.1933
744.174	36.8809	748.746	37.0397	753.318	37.1986
744.3264	36.8862	748.8984	37.045	753.4704	37.2039
744.4788	36.8915	749.0508	37.0503	753.6228	37.2092
744.6312	36.8968	749.2032	37.0556	753.7752	37.2145
744.7836	36.9021	749.3556	37.0609	753.9276	37.2198
744.936	36.9074	749.508	37.0662	754.08	37.2251
745.0884	36.9126	749.6604	37.0715	754.2324	37.2303
745.2408	36.9179	749.8128	37.0768	754.3848	37.2356
745.3932	36.9232	749.9652	37.0821	754.5372	37.2409
745.5456	36.9285	750.1176	37.0874	754.6896	37.2462
745.698	36.9338	750.27	37.0927	754.842	37.2515
745.8504	36.9391	750.4224	37.098	754.9944	37.2568
746.0028	36.9444	750.5748	37.1033	755.1468	37.2621
746.1552	36.9497	750.7272	37.1086	755.2992	37.2674
746.3076	36.955	750.8796	37.1139	755.4516	37.2727
746.46	36.9603	751.032	37.1192	755.604	37.278
746.6124	36.9656	751.1844	37.1244	755.7564	37.2833
746.7648	36.9709	751.3368	37.1297	755.9088	37.2886
746.9172	36.9762	751.4892	37.135	756.0612	37.2939
747.0696	36.9815	751.6416	37.1403	756.2136	37.2992
747.222	36.9868	751.794	37.1456	756.366	37.3045

756.5184	37.3098	761.0904	37.4686	765.6624	37.6275
756.6708	37.3151	761.2428	37.4739	765.8148	37.6328
756.8232	37.3204	761.3952	37.4792	765.9672	37.6381
756.9756	37.3257	761.5476	37.4845	766.1196	37.6434
757.128	37.3309	761.7	37.4898	766.272	37.6486
757.2804	37.3362	761.8524	37.4951	766.4244	37.6539
757.4328	37.3415	762.0048	37.5004	766.5768	37.6592
757.5852	37.3468	762.1572	37.5057	766.7292	37.6645
757.7376	37.3521	762.3096	37.511	766.8816	37.6698
757.89	37.3574	762.462	37.5163	767.034	37.6751
758.0424	37.3627	762.6144	37.5216	767.1864	37.6804
758.1948	37.368	762.7668	37.5269	767.3388	37.6857
758.3472	37.3733	762.9192	37.5322	767.4912	37.691
758.4996	37.3786	763.0716	37.5375	767.6436	37.6963
758.652	37.3839	763.224	37.5427	767.796	37.7016
758.8044	37.3892	763.3764	37.548	767.9484	37.7069
758.9568	37.3945	763.5288	37.5533	768.1008	37.7122
759.1092	37.3998	763.6812	37.5586	768.2532	37.7175
759.2616	37.4051	763.8336	37.5639	768.4056	37.7228
759.414	37.4104	763.986	37.5692	768.558	37.7281
759.5664	37.4157	764.1384	37.5745	768.7104	37.7334
759.7188	37.421	764.2908	37.5798	768.8628	37.7387
759.8712	37.4263	764.4432	37.5851	769.0152	37.744
760.0236	37.4316	764.5956	37.5904	769.1676	37.7493
760.176	37.4369	764.748	37.5957	769.32	37.7545
760.3284	37.4421	764.9004	37.601	769.4724	37.7598
760.4808	37.4474	765.0528	37.6063	769.6248	37.7651
760.6332	37.4527	765.2052	37.6116	769.7772	37.7704
760.7856	37.458	765.3576	37.6169	769.9296	37.7757
760.938	37.4633	765.51	37.6222	770.082	37.781

770.2344	37.7863	774.8064	37.9452	779.3784	38.104
770.3868	37.7916	774.9588	37.9505	779.5308	38.1093
770.5392	37.7969	775.1112	37.9558	779.6832	38.1146
770.6916	37.8022	775.2636	37.9611	779.8356	38.1199
770.844	37.8075	775.416	37.9663	779.988	38.1252
770.9964	37.8128	775.5684	37.9716	780.1404	38.1305
771.1488	37.8181	775.7208	37.9769	780.2928	38.1358
771.3012	37.8234	775.8732	37.9822	780.4452	38.1411
771.4536	37.8287	776.0256	37.9875	780.5976	38.1464
771.606	37.834	776.178	37.9928	780.75	38.1517
771.7584	37.8393	776.3304	37.9981	780.9024	38.157
771.9108	37.8446	776.4828	38.0034	781.0548	38.1623
772.0632	37.8499	776.6352	38.0087	781.2072	38.1676
772.2156	37.8552	776.7876	38.014	781.3596	38.1729
772.368	37.8604	776.94	38.0193	781.512	38.1781
772.5204	37.8657	777.0924	38.0246	781.6644	38.1834
772.6728	37.871	777.2448	38.0299	781.8168	38.1887
772.8252	37.8763	777.3972	38.0352	781.9692	38.194
772.9776	37.8816	777.5496	38.0405	782.1216	38.1993
773.13	37.8869	777.702	38.0458	782.274	38.2046
773.2824	37.8922	777.8544	38.0511	782.4264	38.2099
773.4348	37.8975	778.0068	38.0564	782.5788	38.2152
773.5872	37.9028	778.1592	38.0617	782.7312	38.2205
773.7396	37.9081	778.3116	38.0669	782.8836	38.2258
773.892	37.9134	778.464	38.0722	783.036	38.2311
774.0444	37.9187	778.6164	38.0775	783.1884	38.2364
774.1968	37.924	778.7688	38.0828	783.3408	38.2417
774.3492	37.9293	778.9212	38.0881	783.4932	38.247
774.5016	37.9346	779.0736	38.0934	783.6456	38.2523
774.654	37.9399	779.226	38.0987	783.798	38.2576

783.9504	38.2629	788.5224	38.4217	793.0944	38.5806
784.1028	38.2682	788.6748	38.427	793.2468	38.5859
784.2552	38.2735	788.8272	38.4323	793.3992	38.5912
784.4076	38.2787	788.9796	38.4376	793.5516	38.5964
784.56	38.284	789.132	38.4429	793.704	38.6017
784.7124	38.2893	789.2844	38.4482	793.8564	38.607
784.8648	38.2946	789.4368	38.4535	794.0088	38.6123
785.0172	38.2999	789.5892	38.4588	794.1612	38.6176
785.1696	38.3052	789.7416	38.4641	794.3136	38.6229
785.322	38.3105	789.894	38.4694	794.466	38.6282
785.4744	38.3158	790.0464	38.4747	794.6184	38.6335
785.6268	38.3211	790.1988	38.48	794.7708	38.6388
785.7792	38.3264	790.3512	38.4853	794.9232	38.6441
785.9316	38.3317	790.5036	38.4905	795.0756	38.6494
786.084	38.337	790.656	38.4958	795.228	38.6547
786.2364	38.3423	790.8084	38.5011	795.3804	38.66
786.3888	38.3476	790.9608	38.5064	795.5328	38.6653
786.5412	38.3529	791.1132	38.5117	795.6852	38.6706
786.6936	38.3582	791.2656	38.517	795.8376	38.6759
786.846	38.3635	791.418	38.5223	795.99	38.6812
786.9984	38.3688	791.5704	38.5276	796.1424	38.6865
787.1508	38.3741	791.7228	38.5329	796.2948	38.6918
787.3032	38.3794	791.8752	38.5382	796.4472	38.6971
787.4556	38.3847	792.0276	38.5435	796.5996	38.7023
787.608	38.3899	792.18	38.5488	796.752	38.7076
787.7604	38.3952	792.3324	38.5541	796.9044	38.7129
787.9128	38.4005	792.4848	38.5594	797.0568	38.7182
788.0652	38.4058	792.6372	38.5647	797.2092	38.7235
788.2176	38.4111	792.7896	38.57	797.3616	38.7288
788.37	38.4164	792.942	38.5753	797.514	38.7341

797.6664	38.7394	802.2384	38.8983	806.8104	39.0571
797.8188	38.7447	802.3908	38.9036	806.9628	39.0624
797.9712	38.75	802.5432	38.9089	807.1152	39.0677
798.1236	38.7553	802.6956	38.9141	807.2676	39.073
798.276	38.7606	802.848	38.9194	807.42	39.0783
798.4284	38.7659	803.0004	38.9247	807.5724	39.0836
798.5808	38.7712	803.1528	38.93	807.7248	39.0889
798.7332	38.7765	803.3052	38.9353	807.8772	39.0942
798.8856	38.7818	803.4576	38.9406	808.0296	39.0995
799.038	38.7871	803.61	38.9459	808.182	39.1048
799.1904	38.7924	803.7624	38.9512	808.3344	39.1101
799.3428	38.7977	803.9148	38.9565	808.4868	39.1154
799.4952	38.8029	804.0672	38.9618	808.6392	39.1207
799.6476	38.8082	804.2196	38.9671	808.7916	39.1259
799.8	38.8135	804.372	38.9724	808.944	39.1312
799.9524	38.8188	804.5244	38.9777	809.0964	39.1365
800.1048	38.8241	804.6768	38.983	809.2488	39.1418
800.2572	38.8294	804.8292	38.9883	809.4012	39.1471
800.4096	38.8347	804.9816	38.9936	809.5536	39.1524
800.562	38.84	805.134	38.9989	809.706	39.1577
800.7144	38.8453	805.2864	39.0042	809.8584	39.163
800.8668	38.8506	805.4388	39.0095	810.0108	39.1683
801.0192	38.8559	805.5912	39.0147	810.1632	39.1736
801.1716	38.8612	805.7436	39.02	810.3156	39.1789
801.324	38.8665	805.896	39.0253	810.468	39.1842
801.4764	38.8718	806.0484	39.0306	810.6204	39.1895
801.6288	38.8771	806.2008	39.0359	810.7728	39.1948
801.7812	38.8824	806.3532	39.0412	810.9252	39.2001
801.9336	38.8877	806.5056	39.0465	811.0776	39.2054
802.086	38.893	806.658	39.0518	811.23	39.2107

811.3824	39.216	815.9544	39.3748	820.5264	39.5337
811.5348	39.2213	816.1068	39.3801	820.6788	39.5389
811.6872	39.2265	816.2592	39.3854	820.8312	39.5442
811.8396	39.2318	816.4116	39.3907	820.9836	39.5495
811.992	39.2371	816.564	39.396	821.136	39.5548
812.1444	39.2424	816.7164	39.4013	821.2884	39.5601
812.2968	39.2477	816.8688	39.4066	821.4408	39.5654
812.4492	39.253	817.0212	39.4119	821.5932	39.5707
812.6016	39.2583	817.1736	39.4172	821.7456	39.576
812.754	39.2636	817.326	39.4225	821.898	39.5813
812.9064	39.2689	817.4784	39.4278	822.0504	39.5866
813.0588	39.2742	817.6308	39.4331	822.2028	39.5919
813.2112	39.2795	817.7832	39.4383	822.3552	39.5972
813.3636	39.2848	817.9356	39.4436	822.5076	39.6025
813.516	39.2901	818.088	39.4489	822.66	39.6078
813.6684	39.2954	818.2404	39.4542	822.8124	39.6131
813.8208	39.3007	818.3928	39.4595	822.9648	39.6184
813.9732	39.306	818.5452	39.4648	823.1172	39.6237
814.1256	39.3113	818.6976	39.4701	823.2696	39.629
814.278	39.3166	818.85	39.4754	823.422	39.6343
814.4304	39.3219	819.0024	39.4807	823.5744	39.6396
814.5828	39.3272	819.1548	39.486	823.7268	39.6449
814.7352	39.3325	819.3072	39.4913	823.8792	39.6501
814.8876	39.3377	819.4596	39.4966	824.0316	39.6554
815.04	39.343	819.612	39.5019	824.184	39.6607
815.1924	39.3483	819.7644	39.5072	824.3364	39.666
815.3448	39.3536	819.9168	39.5125	824.4888	39.6713
815.4972	39.3589	820.0692	39.5178	824.6412	39.6766
815.6496	39.3642	820.2216	39.5231	824.7936	39.6819
815.802	39.3695	820.374	39.5284	824.946	39.6872

825.0984	39.6925	829.6704	39.8514	834.2424	40.0102
825.2508	39.6978	829.8228	39.8567	834.3948	40.0155
825.4032	39.7031	829.9752	39.8619	834.5472	40.0208
825.5556	39.7084	830.1276	39.8672	834.6996	40.0261
825.708	39.7137	830.28	39.8725	834.852	40.0314
825.8604	39.719	830.4324	39.8778	835.0044	40.0367
826.0128	39.7243	830.5848	39.8831	835.1568	40.042
826.1652	39.7296	830.7372	39.8884	835.3092	40.0473
826.3176	39.7349	830.8896	39.8937	835.4616	40.0526
826.47	39.7402	831.042	39.899	835.614	40.0579
826.6224	39.7455	831.1944	39.9043	835.7664	40.0632
826.7748	39.7507	831.3468	39.9096	835.9188	40.0685
826.9272	39.756	831.4992	39.9149	836.0712	40.0737
827.0796	39.7613	831.6516	39.9202	836.2236	40.079
827.232	39.7666	831.804	39.9255	836.376	40.0843
827.3844	39.7719	831.9564	39.9308	836.5284	40.0896
827.5368	39.7772	832.1088	39.9361	836.6808	40.0949
827.6892	39.7825	832.2612	39.9414	836.8332	40.1002
827.8416	39.7878	832.4136	39.9467	836.9856	40.1055
827.994	39.7931	832.566	39.952	837.138	40.1108
828.1464	39.7984	832.7184	39.9573	837.2904	40.1161
828.2988	39.8037	832.8708	39.9625	837.4428	40.1214
828.4512	39.809	833.0232	39.9678	837.5952	40.1267
828.6036	39.8143	833.1756	39.9731	837.7476	40.132
828.756	39.8196	833.328	39.9784	837.9	40.1373
828.9084	39.8249	833.4804	39.9837	838.0524	40.1426
829.0608	39.8302	833.6328	39.989	838.2048	40.1479
829.2132	39.8355	833.7852	39.9943	838.3572	40.1532
829.3656	39.8408	833.9376	39.9996	838.5096	40.1585
829.518	39.8461	834.09	40.0049	838.662	40.1638

838.8144	40.1691	843.3864	40.3279	847.9584	40.4867
838.9668	40.1743	843.5388	40.3332	848.1108	40.492
839.1192	40.1796	843.6912	40.3385	848.2632	40.4973
839.2716	40.1849	843.8436	40.3438	848.4156	40.5026
839.424	40.1902	843.996	40.3491	848.568	40.5079
839.5764	40.1955	844.1484	40.3544	848.7204	40.5132
839.7288	40.2008	844.3008	40.3597	848.8728	40.5185
839.8812	40.2061	844.4532	40.365	849.0252	40.5238
840.0336	40.2114	844.6056	40.3703	849.1776	40.5291
840.186	40.2167	844.758	40.3756	849.33	40.5344
840.3384	40.222	844.9104	40.3809	849.4824	40.5397
840.4908	40.2273	845.0628	40.3861	849.6348	40.545
840.6432	40.2326	845.2152	40.3914	849.7872	40.5503
840.7956	40.2379	845.3676	40.3967	849.9396	40.5556
840.948	40.2432	845.52	40.402	850.092	40.5609
841.1004	40.2485	845.6724	40.4073	850.2444	40.5662
841.2528	40.2538	845.8248	40.4126	850.3968	40.5715
841.4052	40.2591	845.9772	40.4179	850.5492	40.5768
841.5576	40.2644	846.1296	40.4232	850.7016	40.5821
841.71	40.2697	846.282	40.4285	850.854	40.5874
841.8624	40.275	846.4344	40.4338	851.0064	40.5927
842.0148	40.2802	846.5868	40.4391	851.1588	40.5979
842.1672	40.2855	846.7392	40.4444	851.3112	40.6032
842.3196	40.2908	846.8916	40.4497	851.4636	40.6085
842.472	40.2961	847.044	40.455	851.616	40.6138
842.6244	40.3014	847.1964	40.4603	851.7684	40.6191
842.7768	40.3067	847.3488	40.4656	851.9208	40.6244
842.9292	40.312	847.5012	40.4709	852.0732	40.6297
843.0816	40.3173	847.6536	40.4762	852.2256	40.635
843.234	40.3226	847.806	40.4815	852.378	40.6403

852.5304	40.6456	857.1024	40.8045	861.6744	40.9633
852.6828	40.6509	857.2548	40.8097	861.8268	40.9686
852.8352	40.6562	857.4072	40.815	861.9792	40.9739
852.9876	40.6615	857.5596	40.8203	862.1316	40.9792
853.14	40.6668	857.712	40.8256	862.284	40.9845
853.2924	40.6721	857.8644	40.8309	862.4364	40.9898
853.4448	40.6774	858.0168	40.8362	862.5888	40.9951
853.5972	40.6827	858.1692	40.8415	862.7412	41.0004
853.7496	40.688	858.3216	40.8468	862.8936	41.0057
853.902	40.6933	858.474	40.8521	863.046	41.011
854.0544	40.6985	858.6264	40.8574	863.1984	41.0162
854.2068	40.7038	858.7788	40.8627	863.3508	41.0215
854.3592	40.7091	858.9312	40.868	863.5032	41.0268
854.5116	40.7144	859.0836	40.8733	863.6556	41.0321
854.664	40.7197	859.236	40.8786	863.808	41.0374
854.8164	40.725	859.3884	40.8839	863.9604	41.0427
854.9688	40.7303	859.5408	40.8892	864.1128	41.048
855.1212	40.7356	859.6932	40.8945	864.2652	41.0533
855.2736	40.7409	859.8456	40.8998	864.4176	41.0586
855.426	40.7462	859.998	40.9051	864.57	41.0639
855.5784	40.7515	860.1504	40.9103	864.7224	41.0692
855.7308	40.7568	860.3028	40.9156	864.8748	41.0745
855.8832	40.7621	860.4552	40.9209	865.0272	41.0798
856.0356	40.7674	860.6076	40.9262	865.1796	41.0851
856.188	40.7727	860.76	40.9315	865.332	41.0904
856.3404	40.778	860.9124	40.9368	865.4844	41.0957
856.4928	40.7833	861.0648	40.9421	865.6368	41.101
856.6452	40.7886	861.2172	40.9474	865.7892	41.1063
856.7976	40.7939	861.3696	40.9527	865.9416	41.1116
856.95	40.7992	861.522	40.958	866.094	41.1169

866.2464	41.1221	870.8184	41.281	875.3904	41.4398
866.3988	41.1274	870.9708	41.2863	875.5428	41.4451
866.5512	41.1327	871.1232	41.2916	875.6952	41.4504
866.7036	41.138	871.2756	41.2969	875.8476	41.4557
866.856	41.1433	871.428	41.3022	876	41.461
867.0084	41.1486	871.5804	41.3075	876.1524	41.4663
867.1608	41.1539	871.7328	41.3128	876.3048	41.4716
867.3132	41.1592	871.8852	41.3181	876.4572	41.4769
867.4656	41.1645	872.0376	41.3234	876.6096	41.4822
867.618	41.1698	872.19	41.3287	876.762	41.4875
867.7704	41.1751	872.3424	41.3339	876.9144	41.4928
867.9228	41.1804	872.4948	41.3392	877.0668	41.4981
868.0752	41.1857	872.6472	41.3445	877.2192	41.5034
868.2276	41.191	872.7996	41.3498	877.3716	41.5087
868.38	41.1963	872.952	41.3551	877.524	41.514
868.5324	41.2016	873.1044	41.3604	877.6764	41.5193
868.6848	41.2069	873.2568	41.3657	877.8288	41.5246
868.8372	41.2122	873.4092	41.371	877.9812	41.5299
868.9896	41.2175	873.5616	41.3763	878.1336	41.5352
869.142	41.2228	873.714	41.3816	878.286	41.5405
869.2944	41.228	873.8664	41.3869	878.4384	41.5457
869.4468	41.2333	874.0188	41.3922	878.5908	41.551
869.5992	41.2386	874.1712	41.3975	878.7432	41.5563
869.7516	41.2439	874.3236	41.4028	878.8956	41.5616
869.904	41.2492	874.476	41.4081	879.048	41.5669
870.0564	41.2545	874.6284	41.4134	879.2004	41.5722
870.2088	41.2598	874.7808	41.4187	879.3528	41.5775
870.3612	41.2651	874.9332	41.424	879.5052	41.5828
870.5136	41.2704	875.0856	41.4293	879.6576	41.5881
870.666	41.2757	875.238	41.4345	879.81	41.5934

879.9624	41.5987	884.5344	41.7575	889.1064	41.9164
880.1148	41.604	884.6868	41.7628	889.2588	41.9217
880.2672	41.6093	884.8392	41.7681	889.4112	41.927
880.4196	41.6146	884.9916	41.7734	889.5636	41.9323
880.572	41.6199	885.144	41.7787	889.716	41.9376
880.7244	41.6252	885.2964	41.784	889.8684	41.9429
880.8768	41.6305	885.4488	41.7893	890.0208	41.9482
881.0292	41.6358	885.6012	41.7946	890.1732	41.9535
881.1816	41.6411	885.7536	41.7999	890.3256	41.9588
881.334	41.6463	885.906	41.8052	890.478	41.964
881.4864	41.6516	886.0584	41.8105	890.6304	41.9693
881.6388	41.6569	886.2108	41.8158	890.7828	41.9746
881.7912	41.6622	886.3632	41.8211	890.9352	41.9799
881.9436	41.6675	886.5156	41.8264	891.0876	41.9852
882.096	41.6728	886.668	41.8317	891.24	41.9905
882.2484	41.6781	886.8204	41.837	891.3924	41.9958
882.4008	41.6834	886.9728	41.8423	891.5448	42.0011
882.5532	41.6887	887.1252	41.8476	891.6972	42.0064
882.7056	41.694	887.2776	41.8529	891.8496	42.0117
882.858	41.6993	887.43	41.8581	892.002	42.017
883.0104	41.7046	887.5824	41.8634	892.1544	42.0223
883.1628	41.7099	887.7348	41.8687	892.3068	42.0276
883.3152	41.7152	887.8872	41.874	892.4592	42.0329
883.4676	41.7205	888.0396	41.8793	892.6116	42.0382
883.62	41.7258	888.192	41.8846	892.764	42.0435
883.7724	41.7311	888.3444	41.8899	892.9164	42.0488
883.9248	41.7364	888.4968	41.8952	893.0688	42.0541
884.0772	41.7417	888.6492	41.9005	893.2212	42.0594
884.2296	41.747	888.8016	41.9058	893.3736	42.0647
884.382	41.7522	888.954	41.9111	893.526	42.0699

893.6784	42.0752	898.2504	42.2341	902.8224	42.3929
893.8308	42.0805	898.4028	42.2394	902.9748	42.3982
893.9832	42.0858	898.5552	42.2447	903.1272	42.4035
894.1356	42.0911	898.7076	42.25	903.2796	42.4088
894.288	42.0964	898.86	42.2553	903.432	42.4141
894.4404	42.1017	899.0124	42.2606	903.5844	42.4194
894.5928	42.107	899.1648	42.2659	903.7368	42.4247
894.7452	42.1123	899.3172	42.2712	903.8892	42.43
894.8976	42.1176	899.4696	42.2765	904.0416	42.4353
895.05	42.1229	899.622	42.2817	904.194	42.4406
895.2024	42.1282	899.7744	42.287	904.3464	42.4459
895.3548	42.1335	899.9268	42.2923	904.4988	42.4512
895.5072	42.1388	900.0792	42.2976	904.6512	42.4565
895.6596	42.1441	900.2316	42.3029	904.8036	42.4618
895.812	42.1494	900.384	42.3082	904.956	42.4671
895.9644	42.1547	900.5364	42.3135	905.1084	42.4724
896.1168	42.16	900.6888	42.3188	905.2608	42.4777
896.2692	42.1653	900.8412	42.3241	905.4132	42.483
896.4216	42.1705	900.9936	42.3294	905.5656	42.4883
896.574	42.1758	901.146	42.3347	905.718	42.4935
896.7264	42.1811	901.2984	42.34	905.8704	42.4988
896.8788	42.1864	901.4508	42.3453	906.0228	42.5041
897.0312	42.1917	901.6032	42.3506	906.1752	42.5094
897.1836	42.197	901.7556	42.3559	906.3276	42.5147
897.336	42.2023	901.908	42.3612	906.48	42.52
897.4884	42.2076	902.0604	42.3665	906.6324	42.5253
897.6408	42.2129	902.2128	42.3718	906.7848	42.5306
897.7932	42.2182	902.3652	42.3771	906.9372	42.5359
897.9456	42.2235	902.5176	42.3823	907.0896	42.5412
898.098	42.2288	902.67	42.3876	907.242	42.5465

907.3944	42.5518	911.9664	42.7106	916.5384	42.8695
907.5468	42.5571	912.1188	42.7159	916.6908	42.8748
907.6992	42.5624	912.2712	42.7212	916.8432	42.8801
907.8516	42.5677	912.4236	42.7265	916.9956	42.8854
908.004	42.573	912.576	42.7318	917.148	42.8907
908.1564	42.5783	912.7284	42.7371	917.3004	42.896
908.3088	42.5836	912.8808	42.7424	917.4528	42.9013
908.4612	42.5889	913.0332	42.7477	917.6052	42.9066
908.6136	42.5941	913.1856	42.753	917.7576	42.9118
908.766	42.5994	913.338	42.7583	917.91	42.9171
908.9184	42.6047	913.4904	42.7636	918.0624	42.9224
909.0708	42.61	913.6428	42.7689	918.2148	42.9277
909.2232	42.6153	913.7952	42.7742	918.3672	42.933
909.3756	42.6206	913.9476	42.7795	918.5196	42.9383
909.528	42.6259	914.1	42.7848	918.672	42.9436
909.6804	42.6312	914.2524	42.7901	918.8244	42.9489
909.8328	42.6365	914.4048	42.7954	918.9768	42.9542
909.9852	42.6418	914.5572	42.8007	919.1292	42.9595
910.1376	42.6471	914.7096	42.8059	919.2816	42.9648
910.29	42.6524	914.862	42.8112	919.434	42.9701
910.4424	42.6577	915.0144	42.8165	919.5864	42.9754
910.5948	42.663	915.1668	42.8218	919.7388	42.9807
910.7472	42.6683	915.3192	42.8271	919.8912	42.986
910.8996	42.6736	915.4716	42.8324	920.0436	42.9913
911.052	42.6789	915.624	42.8377	920.196	42.9966
911.2044	42.6842	915.7764	42.843	920.3484	43.0019
911.3568	42.6895	915.9288	42.8483	920.5008	43.0072
911.5092	42.6948	916.0812	42.8536	920.6532	43.0125
911.6616	42.7	916.2336	42.8589	920.8056	43.0177
911.814	42.7053	916.386	42.8642	920.958	43.023

921.1104	43.0283	925.6824	43.1872	930.2544	43.346
921.2628	43.0336	925.8348	43.1925	930.4068	43.3513
921.4152	43.0389	925.9872	43.1978	930.5592	43.3566
921.5676	43.0442	926.1396	43.2031	930.7116	43.3619
921.72	43.0495	926.292	43.2084	930.864	43.3672
921.8724	43.0548	926.4444	43.2137	931.0164	43.3725
922.0248	43.0601	926.5968	43.219	931.1688	43.3778
922.1772	43.0654	926.7492	43.2243	931.3212	43.3831
922.3296	43.0707	926.9016	43.2295	931.4736	43.3884
922.482	43.076	927.054	43.2348	931.626	43.3937
922.6344	43.0813	927.2064	43.2401	931.7784	43.399
922.7868	43.0866	927.3588	43.2454	931.9308	43.4043
922.9392	43.0919	927.5112	43.2507	932.0832	43.4096
923.0916	43.0972	927.6636	43.256	932.2356	43.4149
923.244	43.1025	927.816	43.2613	932.388	43.4202
923.3964	43.1078	927.9684	43.2666	932.5404	43.4255
923.5488	43.1131	928.1208	43.2719	932.6928	43.4308
923.7012	43.1183	928.2732	43.2772	932.8452	43.436
923.8536	43.1236	928.4256	43.2825	932.9976	43.4413
924.006	43.1289	928.578	43.2878	933.15	43.4466
924.1584	43.1342	928.7304	43.2931	933.3024	43.4519
924.3108	43.1395	928.8828	43.2984	933.4548	43.4572
924.4632	43.1448	929.0352	43.3037	933.6072	43.4625
924.6156	43.1501	929.1876	43.309	933.7596	43.4678
924.768	43.1554	929.34	43.3143	933.912	43.4731
924.9204	43.1607	929.4924	43.3196	934.0644	43.4784
925.0728	43.166	929.6448	43.3249	934.2168	43.4837
925.2252	43.1713	929.7972	43.3301	934.3692	43.489
925.3776	43.1766	929.9496	43.3354	934.5216	43.4943
925.53	43.1819	930.102	43.3407	934.674	43.4996

934.8264	43.5049	939.3984	43.6637	943.9704	43.8226
934.9788	43.5102	939.5508	43.669	944.1228	43.8279
935.1312	43.5155	939.7032	43.6743	944.2752	43.8332
935.2836	43.5208	939.8556	43.6796	944.4276	43.8385
935.436	43.5261	940.008	43.6849	944.58	43.8438
935.5884	43.5314	940.1604	43.6902	944.7324	43.8491
935.7408	43.5367	940.3128	43.6955	944.8848	43.8543
935.8932	43.5419	940.4652	43.7008	945.0372	43.8596
936.0456	43.5472	940.6176	43.7061	945.1896	43.8649
936.198	43.5525	940.77	43.7114	945.342	43.8702
936.3504	43.5578	940.9224	43.7167	945.4944	43.8755
936.5028	43.5631	941.0748	43.722	945.6468	43.8808
936.6552	43.5684	941.2272	43.7273	945.7992	43.8861
936.8076	43.5737	941.3796	43.7326	945.9516	43.8914
936.96	43.579	941.532	43.7379	946.104	43.8967
937.1124	43.5843	941.6844	43.7432	946.2564	43.902
937.2648	43.5896	941.8368	43.7485	946.4088	43.9073
937.4172	43.5949	941.9892	43.7537	946.5612	43.9126
937.5696	43.6002	942.1416	43.759	946.7136	43.9179
937.722	43.6055	942.294	43.7643	946.866	43.9232
937.8744	43.6108	942.4464	43.7696	947.0184	43.9285
938.0268	43.6161	942.5988	43.7749	947.1708	43.9338
938.1792	43.6214	942.7512	43.7802	947.3232	43.9391
938.3316	43.6267	942.9036	43.7855	947.4756	43.9444
938.484	43.632	943.056	43.7908	947.628	43.9497
938.6364	43.6373	943.2084	43.7961	947.7804	43.955
938.7888	43.6426	943.3608	43.8014	947.9328	43.9603
938.9412	43.6478	943.5132	43.8067	948.0852	43.9655
939.0936	43.6531	943.6656	43.812	948.2376	43.9708
939.246	43.6584	943.818	43.8173	948.39	43.9761

948.5424	43.9814	953.1144	44.1403	957.6864	44.2991
948.6948	43.9867	953.2668	44.1456	957.8388	44.3044
948.8472	43.992	953.4192	44.1509	957.9912	44.3097
948.9996	43.9973	953.5716	44.1562	958.1436	44.315
949.152	44.0026	953.724	44.1615	958.296	44.3203
949.3044	44.0079	953.8764	44.1668	958.4484	44.3256
949.4568	44.0132	954.0288	44.172	958.6008	44.3309
949.6092	44.0185	954.1812	44.1773	958.7532	44.3362
949.7616	44.0238	954.3336	44.1826	958.9056	44.3415
949.914	44.0291	954.486	44.1879	959.058	44.3468
950.0664	44.0344	954.6384	44.1932	959.2104	44.3521
950.2188	44.0397	954.7908	44.1985	959.3628	44.3574
950.3712	44.045	954.9432	44.2038	959.5152	44.3627
950.5236	44.0503	955.0956	44.2091	959.6676	44.368
950.676	44.0556	955.248	44.2144	959.82	44.3733
950.8284	44.0609	955.4004	44.2197	959.9724	44.3786
950.9808	44.0661	955.5528	44.225	960.1248	44.3838
951.1332	44.0714	955.7052	44.2303	960.2772	44.3891
951.2856	44.0767	955.8576	44.2356	960.4296	44.3944
951.438	44.082	956.01	44.2409	960.582	44.3997
951.5904	44.0873	956.1624	44.2462	960.7344	44.405
951.7428	44.0926	956.3148	44.2515	960.8868	44.4103
951.8952	44.0979	956.4672	44.2568	961.0392	44.4156
952.0476	44.1032	956.6196	44.2621	961.1916	44.4209
952.2	44.1085	956.772	44.2674	961.344	44.4262
952.3524	44.1138	956.9244	44.2727	961.4964	44.4315
952.5048	44.1191	957.0768	44.2779	961.6488	44.4368
952.6572	44.1244	957.2292	44.2832	961.8012	44.4421
952.8096	44.1297	957.3816	44.2885	961.9536	44.4474
952.962	44.135	957.534	44.2938	962.106	44.4527

962.2584	44.458	966.8304	44.6168	971.4024	44.7757
962.4108	44.4633	966.9828	44.6221	971.5548	44.781
962.5632	44.4686	967.1352	44.6274	971.7072	44.7863
962.7156	44.4739	967.2876	44.6327	971.8596	44.7916
962.868	44.4792	967.44	44.638	972.012	44.7969
963.0204	44.4845	967.5924	44.6433	972.1644	44.8021
963.1728	44.4897	967.7448	44.6486	972.3168	44.8074
963.3252	44.495	967.8972	44.6539	972.4692	44.8127
963.4776	44.5003	968.0496	44.6592	972.6216	44.818
963.63	44.5056	968.202	44.6645	972.774	44.8233
963.7824	44.5109	968.3544	44.6698	972.9264	44.8286
963.9348	44.5162	968.5068	44.6751	973.0788	44.8339
964.0872	44.5215	968.6592	44.6804	973.2312	44.8392
964.2396	44.5268	968.8116	44.6857	973.3836	44.8445
964.392	44.5321	968.964	44.691	973.536	44.8498
964.5444	44.5374	969.1164	44.6963	973.6884	44.8551
964.6968	44.5427	969.2688	44.7015	973.8408	44.8604
964.8492	44.548	969.4212	44.7068	973.9932	44.8657
965.0016	44.5533	969.5736	44.7121	974.1456	44.871
965.154	44.5586	969.726	44.7174	974.298	44.8763
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965.4588	44.5692	970.0308	44.728	974.6028	44.8869
965.6112	44.5745	970.1832	44.7333	974.7552	44.8922
965.7636	44.5798	970.3356	44.7386	974.9076	44.8975
965.916	44.5851	970.488	44.7439	975.06	44.9028
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966.2208	44.5956	970.7928	44.7545	975.3648	44.9133
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976.4316	44.9504	981.0036	45.1093	985.5756	45.2681
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1198.9355 52.6811	1203.5076 52.8399	1208.0796 52.9988
1199.088 52.6864	1203.66 52.8452	1208.2321 53.0041
1199.2404 52.6916	1203.8124 52.8505	1208.3844 53.0093
1199.3928 52.6969	1203.9648 52.8558	1208.5367 53.0146
1199.5452 52.7022	1204.1172 52.8611	1208.6892 53.0199
1199.6976 52.7075	1204.2697 52.8664	1208.8416 53.0252
1199.85 52.7128	1204.422 52.8717	1208.994 53.0305

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1209.4512 53.0464	1214.0232 53.2053	1218.5952 53.3641
1209.6036 53.0517	1214.1757 53.2106	1218.7476 53.3694
1209.756 53.057	1214.328 53.2159	1218.9 53.3747
1209.9084 53.0623	1214.4803 53.2211	1219.0524 53.38
1210.0608 53.0676	1214.6328 53.2264	1219.2048 53.3853
1210.2133 53.0729	1214.7852 53.2317	1219.3572 53.3906
1210.3656 53.0782	1214.9376 53.237	1219.5096 53.3959
1210.5179 53.0835	1215.09 53.2423	1219.662 53.4012
1210.6704 53.0888	1215.2424 53.2476	1219.8145 53.4065
1210.8228 53.0941	1215.3948 53.2529	1219.9668 53.4118
1210.9752 53.0994	1215.5472 53.2582	1220.1191 53.4171
1211.1276 53.1047	1215.6996 53.2635	1220.2716 53.4224
1211.28 53.11	1215.8521 53.2688	1220.424 53.4276
1211.4324 53.1152	1216.0044 53.2741	1220.5764 53.4329
1211.5848 53.1205	1216.1569 53.2794	1220.7288 53.4382
1211.7372 53.1258	1216.3092 53.2847	1220.8812 53.4435
1211.8896 53.1311	1216.4615 53.29	1221.0336 53.4488
1212.042 53.1364	1216.614 53.2953	1221.186 53.4541
1212.1945 53.1417	1216.7664 53.3006	1221.3384 53.4594
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1212.4991 53.1523	1217.0712 53.3112	1221.6432 53.47
1212.6516 53.1576	1217.2236 53.3165	1221.7957 53.4753
1212.804 53.1629	1217.376 53.3218	1221.948 53.4806
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1213.1088 53.1735	1217.6808 53.3323	1222.2528 53.4912
1213.2612 53.1788	1217.8333 53.3376	1222.4052 53.4965
1213.4136 53.1841	1217.9856 53.3429	1222.5576 53.5018
1213.566 53.1894	1218.1379 53.3482	1222.71 53.5071

1222.8624 53.5124	1227.4344 53.6712	1232.0063 53.8301
1223.0148 53.5177	1227.5868 53.6765	1232.1588 53.8354
1223.1672 53.523	1227.7393 53.6818	1232.3112 53.8407
1223.3196 53.5283	1227.8916 53.6871	1232.4636 53.846
1223.472 53.5336	1228.0439 53.6924	1232.616 53.8512
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1223.7769 53.5441	1228.3488 53.703	1232.9208 53.8618
1223.9292 53.5494	1228.5012 53.7083	1233.0732 53.8671
1224.0815 53.5547	1228.6536 53.7136	1233.2256 53.8724
1224.234 53.56	1228.806 53.7189	1233.3781 53.8777
1224.3864 53.5653	1228.9584 53.7242	1233.5304 53.883
1224.5388 53.5706	1229.1108 53.7295	1233.6827 53.8883
1224.6912 53.5759	1229.2632 53.7348	1233.8352 53.8936
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1224.996 53.5865	1229.568 53.7453	1234.14 53.9042
1225.1484 53.5918	1229.7205 53.7506	1234.2924 53.9095
1225.3008 53.5971	1229.8728 53.7559	1234.4448 53.9148
1225.4532 53.6024	1230.0251 53.7612	1234.5972 53.9201
1225.6056 53.6077	1230.1776 53.7665	1234.7496 53.9254
1225.7581 53.613	1230.33 53.7718	1234.902 53.9307
1225.9104 53.6183	1230.4824 53.7771	1235.0544 53.936
1226.0627 53.6236	1230.6348 53.7824	1235.2068 53.9413
1226.2152 53.6289	1230.7872 53.7877	1235.3593 53.9466
1226.3676 53.6342	1230.9396 53.793	1235.5116 53.9519
1226.52 53.6395	1231.092 53.7983	1235.6639 53.9571
1226.6724 53.6447	1231.2444 53.8036	1235.8164 53.9624
1226.8248 53.65	1231.3969 53.8089	1235.9688 53.9677
1226.9772 53.6553	1231.5492 53.8142	1236.1212 53.973
1227.1296 53.6606	1231.7017 53.8195	1236.2736 53.9783
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1237.0356 54.0048	1241.6075 54.1636	1246.1796 54.3225
1237.188 54.0101	1241.76 54.1689	1246.332 54.3278
1237.3405 54.0154	1241.9124 54.1742	1246.4844 54.3331
1237.4928 54.0207	1242.0648 54.1795	1246.6368 54.3384
1237.6451 54.026	1242.2172 54.1848	1246.7892 54.3437
1237.7976 54.0313	1242.3696 54.1901	1246.9417 54.349
1237.95 54.0366	1242.522 54.1954	1247.094 54.3543
1238.1024 54.0419	1242.6744 54.2007	1247.2465 54.3596
1238.2548 54.0472	1242.8268 54.206	1247.3988 54.3649
1238.4072 54.0525	1242.9792 54.2113	1247.5511 54.3702
1238.5596 54.0578	1243.1316 54.2166	1247.7036 54.3755
1238.712 54.063	1243.2841 54.2219	1247.856 54.3807
1238.8644 54.0683	1243.4364 54.2272	1248.0084 54.386
1239.0168 54.0736	1243.5887 54.2325	1248.1608 54.3913
1239.1692 54.0789	1243.7412 54.2378	1248.3132 54.3966
1239.3217 54.0842	1243.8936 54.2431	1248.4656 54.4019
1239.474 54.0895	1244.046 54.2484	1248.618 54.4072
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1239.9312 54.1054	1244.5032 54.2643	1249.0752 54.4231
1240.0836 54.1107	1244.6556 54.2696	1249.2275 54.4284
1240.236 54.116	1244.808 54.2748	1249.38 54.4337
1240.3884 54.1213	1244.9604 54.2801	1249.5323 54.439
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1240.6932 54.1319	1245.2653 54.2907	1249.8372 54.4496
1240.8456 54.1372	1245.4176 54.296	1249.9896 54.4549
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1250.7516 54.4813	1255.3236 54.6402	1259.8956 54.799
1250.9041 54.4866	1255.476 54.6455	1260.048 54.8043
1251.0564 54.4919	1255.6284 54.6508	1260.2004 54.8096
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1251.5135 54.5078	1256.0856 54.6667	1260.6576 54.8255
1251.666 54.5131	1256.238 54.672	1260.8101 54.8308
1251.8184 54.5184	1256.3904 54.6773	1260.9624 54.8361
1251.9708 54.5237	1256.5428 54.6826	1261.1147 54.8414
1252.1232 54.529	1256.6952 54.6879	1261.2672 54.8467
1252.2756 54.5343	1256.8477 54.6931	1261.4196 54.852
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1252.5804 54.5449	1257.1523 54.7037	1261.7244 54.8626
1252.7328 54.5502	1257.3048 54.709	1261.8768 54.8679
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1253.1899 54.5661	1257.762 54.7249	1262.334 54.8838
1253.3424 54.5714	1257.9144 54.7302	1262.4865 54.8891
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1253.7996 54.5872	1258.3716 54.7461	1262.9436 54.9049
1253.952 54.5925	1258.524 54.7514	1263.0959 54.9102
1254.1044 54.5978	1258.6764 54.7567	1263.2484 54.9155
1254.2568 54.6031	1258.8289 54.762	1263.4008 54.9208
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1265.5344 54.995	1270.1064 55.1538	1274.6783 55.3127
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1265.8392 55.0056	1270.4113 55.1644	1274.9832 55.3232
1265.9916 55.0108	1270.5636 55.1697	1275.1356 55.3285
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1267.3632 55.0585	1271.9352 55.2173	1276.5072 55.3762
1267.5156 55.0638	1272.0876 55.2226	1276.6595 55.3815
1267.668 55.0691	1272.24 55.2279	1276.812 55.3868
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1267.9728 55.0797	1272.5448 55.2385	1277.1168 55.3974
1268.1252 55.085	1272.6971 55.2438	1277.2692 55.4027
1268.2776 55.0903	1272.8496 55.2491	1277.4216 55.408
1268.4301 55.0956	1273.002 55.2544	1277.574 55.4133

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1278.0313 55.4291	1282.6031 55.588	1287.1752 55.7468
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1278.3361 55.4397	1282.908 55.5986	1287.48 55.7574
1278.4884 55.445	1283.0604 55.6039	1287.6324 55.7627
1278.6407 55.4503	1283.2128 55.6092	1287.7848 55.768
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1280.3173 55.5086	1284.8892 55.6674	1289.4612 55.8263
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1280.6219 55.5192	1285.194 55.678	1289.766 55.8369
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1281.0792 55.535	1285.6512 55.6939	1290.2231 55.8527
1281.2316 55.5403	1285.8036 55.6992	1290.3756 55.858
1281.384 55.5456	1285.9561 55.7045	1290.528 55.8633
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1281.6888 55.5562	1286.2607 55.7151	1290.8328 55.8739
1281.8412 55.5615	1286.4132 55.7204	1290.9852 55.8792
1281.9937 55.5668	1286.5656 55.7257	1291.1376 55.8845
1282.146 55.5721	1286.718 55.731	1291.29 55.8898

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1291.7472 55.9057	1296.3192 56.0645	1300.8912 56.2234
1291.8997 55.911	1296.4716 56.0698	1301.0436 56.2287
1292.052 55.9163	1296.624 56.0751	1301.196 56.234
1292.2043 55.9216	1296.7764 56.0804	1301.3484 56.2393
1292.3568 55.9269	1296.9288 56.0857	1301.5009 56.2446
1292.5092 55.9322	1297.0812 56.091	1301.6532 56.2499
1292.6616 55.9375	1297.2336 56.0963	1301.8055 56.2552
1292.814 55.9428	1297.386 56.1016	1301.958 56.2605
1292.9664 55.9481	1297.5385 56.1069	1302.1104 56.2658
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1294.338 55.9957	1298.91 56.1546	1303.4821 56.3134
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1295.2524 56.0275	1299.8243 56.1863	1304.3964 56.3452
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1305.6156 56.3875	1310.1876 56.5464	1314.7596 56.7052
1305.7679 56.3928	1310.34 56.5517	1314.912 56.7105
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1306.2252 56.4087	1310.7972 56.5676	1315.3691 56.7264
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1306.9872 56.4352	1311.5592 56.594	1316.1312 56.7529
1307.1396 56.4405	1311.7115 56.5993	1316.2836 56.7582
1307.292 56.4458	1311.864 56.6046	1316.436 56.7635
1307.4445 56.4511	1312.0164 56.6099	1316.5884 56.7688
1307.5968 56.4564	1312.1688 56.6152	1316.7408 56.7741
1307.7491 56.4617	1312.3212 56.6205	1316.8932 56.7794
1307.9016 56.467	1312.4736 56.6258	1317.0457 56.7847
1308.054 56.4723	1312.626 56.6311	1317.198 56.79
1308.2064 56.4776	1312.7784 56.6364	1317.3503 56.7952
1308.3588 56.4828	1312.9308 56.6417	1317.5028 56.8005
1308.5112 56.4881	1313.0833 56.647	1317.6552 56.8058
1308.6636 56.4934	1313.2356 56.6523	1317.8076 56.8111
1308.816 56.4987	1313.3879 56.6576	1317.96 56.8164
1308.9684 56.504	1313.5404 56.6629	1318.1124 56.8217
1309.1208 56.5093	1313.6927 56.6682	1318.2648 56.827
1309.2732 56.5146	1313.8452 56.6735	1318.4172 56.8323
1309.4257 56.5199	1313.9976 56.6788	1318.5696 56.8376
1309.578 56.5252	1314.15 56.6841	1318.722 56.8429

1318.8744 56.8482	1323.4464 57.007	1328.0184 57.1659
1319.0269 56.8535	1323.5988 57.0123	1328.1708 57.1712
1319.1792 56.8588	1323.7512 57.0176	1328.3232 57.1765
1319.3315 56.8641	1323.9036 57.0229	1328.4756 57.1818
1319.484 56.8694	1324.056 57.0282	1328.6281 57.1871
1319.6364 56.8747	1324.2084 57.0335	1328.7804 57.1924
1319.7888 56.88	1324.3608 57.0388	1328.9327 57.1977
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1320.0936 56.8906	1324.6656 57.0494	1329.2375 57.2083
1320.246 56.8959	1324.818 57.0547	1329.39 57.2136
1320.3984 56.9011	1324.9705 57.06	1329.5424 57.2188
1320.5508 56.9064	1325.1228 57.0653	1329.6948 57.2241
1320.7032 56.9117	1325.2751 57.0706	1329.8472 57.2294
1320.8556 56.917	1325.4276 57.0759	1329.9996 57.2347
1321.0081 56.9223	1325.58 57.0812	1330.152 57.24
1321.1604 56.9276	1325.7324 57.0865	1330.3044 57.2453
1321.3127 56.9329	1325.8848 57.0918	1330.4568 57.2506
1321.4652 56.9382	1326.0372 57.0971	1330.6093 57.2559
1321.6176 56.9435	1326.1896 57.1024	1330.7616 57.2612
1321.77 56.9488	1326.342 57.1077	1330.9139 57.2665
1321.9224 56.9541	1326.4944 57.1129	1331.0664 57.2718
1322.0748 56.9594	1326.6469 57.1182	1331.2188 57.2771
1322.2272 56.9647	1326.7992 57.1235	1331.3712 57.2824
1322.3796 56.97	1326.9517 57.1288	1331.5236 57.2877
1322.532 56.9753	1327.104 57.1341	1331.676 57.293
1322.6844 56.9806	1327.2563 57.1394	1331.8284 57.2983
1322.8368 56.9859	1327.4088 57.1447	1331.9808 57.3036
1322.9893 56.9912	1327.5612 57.15	1332.1332 57.3089
1323.1416 56.9965	1327.7136 57.1553	1332.2856 57.3142
1323.2939 57.0018	1327.866 57.1606	1332.438 57.3195

1332.5905 57.3247	1337.1624 57.4836	1341.7344 57.6424
1332.7428 57.33	1337.3148 57.4889	1341.8868 57.6477
1332.8951 57.3353	1337.4672 57.4942	1342.0392 57.653
1333.0476 57.3406	1337.6196 57.4995	1342.1917 57.6583
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1333.5048 57.3565	1338.0768 57.5154	1342.6488 57.6742
1333.6572 57.3618	1338.2292 57.5207	1342.8011 57.6795
1333.8096 57.3671	1338.3816 57.526	1342.9536 57.6848
1333.962 57.3724	1338.5341 57.5313	1343.106 57.6901
1334.1144 57.3777	1338.6864 57.5365	1343.2584 57.6954
1334.2668 57.383	1338.8387 57.5418	1343.4108 57.7007
1334.4192 57.3883	1338.9912 57.5471	1343.5632 57.706
1334.5717 57.3936	1339.1436 57.5524	1343.7156 57.7113
1334.724 57.3989	1339.296 57.5577	1343.868 57.7166
1334.8763 57.4042	1339.4484 57.563	1344.0204 57.7219
1335.0288 57.4095	1339.6008 57.5683	1344.1729 57.7272
1335.1812 57.4148	1339.7532 57.5736	1344.3252 57.7325
1335.3336 57.4201	1339.9056 57.5789	1344.4775 57.7378
1335.486 57.4253	1340.058 57.5842	1344.63 57.743
1335.6384 57.4306	1340.2104 57.5895	1344.7823 57.7483
1335.7908 57.4359	1340.3628 57.5948	1344.9348 57.7536
1335.9432 57.4412	1340.5153 57.6001	1345.0872 57.7589
1336.0956 57.4465	1340.6676 57.6054	1345.2396 57.7642
1336.248 57.4518	1340.8199 57.6107	1345.392 57.7695
1336.4004 57.4571	1340.9724 57.616	1345.5444 57.7748
1336.5529 57.4624	1341.1248 57.6213	1345.6968 57.7801
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1337.01 57.4783	1341.582 57.6371	1346.1541 57.796

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1346.7635 57.8172	1351.3356 57.976	1355.9076 58.1349
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1347.3732 57.8384	1351.9452 57.9972	1356.5172 58.1561
1347.5256 57.8437	1352.0977 58.0025	1356.6696 58.1613
1347.678 57.8489	1352.25 58.0078	1356.822 58.1666
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1348.1353 57.8648	1352.7072 58.0237	1357.2792 58.1825
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1349.964 57.9284	1354.536 58.0872	1359.108 58.2461
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1361.2416 58.3202	1365.8136 58.479	1370.3856 58.6379
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1362.156 58.352	1366.728 58.5108	1371.3 58.6697
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1362.918 58.3784	1367.49 58.5373	1372.062 58.6961
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1364.2896 58.4261	1368.8616 58.5849	1373.4336 58.7438
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1376.9388 58.8656	1381.5107 59.0244	1386.0828 59.1833
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1377.2437 58.8762	1381.8156 59.035	1386.3876 59.1939
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1377.8531 58.8973	1382.4252 59.0562	1386.9972 59.215
1378.0056 58.9026	1382.5776 59.0615	1387.1497 59.2203
1378.158 58.9079	1382.73 59.0668	1387.302 59.2256

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1387.7592 59.2415	1392.3312 59.4004	1396.9032 59.5592
1387.9116 59.2468	1392.4836 59.4057	1397.0555 59.5645
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1388.2164 59.2574	1392.7885 59.4163	1397.3604 59.5751
1388.3688 59.2627	1392.9408 59.4216	1397.5128 59.5804
1388.5212 59.268	1393.0931 59.4268	1397.6652 59.5857
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1388.826 59.2786	1393.3979 59.4374	1397.97 59.5963
1388.9784 59.2839	1393.5504 59.4427	1398.1224 59.6016
1389.1309 59.2892	1393.7028 59.448	1398.2748 59.6069
1389.2832 59.2945	1393.8552 59.4533	1398.4272 59.6122
1389.4355 59.2998	1394.0076 59.4586	1398.5796 59.6175
1389.588 59.3051	1394.16 59.4639	1398.7321 59.6228
1389.7404 59.3104	1394.3124 59.4692	1398.8844 59.6281
1389.8928 59.3157	1394.4648 59.4745	1399.0367 59.6333
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1390.6548 59.3421	1395.2268 59.501	1399.7988 59.6598
1390.8073 59.3474	1395.3792 59.5063	1399.9512 59.6651
1390.9596 59.3527	1395.5316 59.5116	1400.1036 59.6704
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1391.4167 59.3686	1395.9888 59.5275	1400.5608 59.6863
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1391.7216 59.3792	1396.2936 59.538	1400.8656 59.6969
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1402.2372 59.7445	1406.8092 59.9034	1411.3812 60.0622
1402.3896 59.7498	1406.9615 59.9087	1411.5336 60.0675
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1402.6945 59.7604	1407.2664 59.9193	1411.8384 60.0781
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1405.59 59.861	1410.162 60.0199	1414.734 60.1787

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1415.496 60.2052	1420.068 60.3641	1424.64 60.5229
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1416.5627 60.2423	1421.1348 60.4011	1425.7068 60.56
1416.7152 60.2476	1421.2872 60.4064	1425.8593 60.5653
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1417.02 60.2582	1421.592 60.417	1426.1639 60.5759
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1443.2328 61.1689	1447.8048 61.3277	1452.3768 61.4866
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1444.9092 61.2271	1449.4812 61.386	1454.0532 61.5448
1445.0616 61.2324	1449.6335 61.3913	1454.2056 61.5501
1445.214 61.2377	1449.786 61.3966	1454.358 61.5554
1445.3665 61.243	1449.9384 61.4019	1454.5104 61.5607
1445.5188 61.2483	1450.0908 61.4072	1454.6628 61.566
1445.6711 61.2536	1450.2432 61.4125	1454.8152 61.5713
1445.8236 61.2589	1450.3956 61.4178	1454.9677 61.5766
1445.976 61.2642	1450.548 61.423	1455.12 61.5819
1446.1284 61.2695	1450.7004 61.4283	1455.2725 61.5872
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1446.5856 61.2854	1451.1576 61.4442	1455.7296 61.6031
1446.738 61.2907	1451.3101 61.4495	1455.882 61.6084

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1568.5056 65.5214	1573.0776 65.6802	1577.6497 65.8391
1568.658 65.5266	1573.23 65.6855	1577.802 65.8443
1568.8104 65.5319	1573.3824 65.6908	1577.9543 65.8496
1568.9628 65.5372	1573.5348 65.6961	1578.1068 65.8549
1569.1152 65.5425	1573.6873 65.7014	1578.2592 65.8602
1569.2676 65.5478	1573.8396 65.7067	1578.4116 65.8655
1569.42 65.5531	1573.9919 65.712	1578.564 65.8708
1569.5724 65.5584	1574.1444 65.7173	1578.7164 65.8761
1569.7249 65.5637	1574.2968 65.7226	1578.8688 65.8814
1569.8772 65.569	1574.4492 65.7279	1579.0212 65.8867
1570.0295 65.5743	1574.6016 65.7332	1579.1736 65.892
1570.182 65.5796	1574.754 65.7384	1579.326 65.8973

1579.4784 65.9026	1584.0504 66.0614	1588.6224 66.2203
1579.6309 65.9079	1584.2028 66.0667	1588.7748 66.2256
1579.7832 65.9132	1584.3552 66.072	1588.9272 66.2309
1579.9355 65.9185	1584.5076 66.0773	1589.0796 66.2362
1580.088 65.9238	1584.66 66.0826	1589.2321 66.2415
1580.2404 65.9291	1584.8124 66.0879	1589.3844 66.2468
1580.3928 65.9344	1584.9648 66.0932	1589.5367 66.2521
1580.5452 65.9397	1585.1172 66.0985	1589.6892 66.2574
1580.6976 65.9449	1585.2697 66.1038	1589.8416 66.2626
1580.85 65.9502	1585.422 66.1091	1589.994 66.2679
1581.0024 65.9555	1585.5743 66.1144	1590.1464 66.2732
1581.1548 65.9608	1585.7268 66.1197	1590.2988 66.2785
1581.3073 65.9661	1585.8792 66.125	1590.4512 66.2838
1581.4596 65.9714	1586.0316 66.1303	1590.6036 66.2891
1581.6121 65.9767	1586.184 66.1356	1590.756 66.2944
1581.7644 65.982	1586.3364 66.1409	1590.9084 66.2997
1581.9167 65.9873	1586.4888 66.1462	1591.0608 66.305
1582.0692 65.9926	1586.6412 66.1515	1591.2133 66.3103
1582.2216 65.9979	1586.7936 66.1567	1591.3656 66.3156
1582.374 66.0032	1586.946 66.162	1591.5179 66.3209
1582.5264 66.0085	1587.0984 66.1673	1591.6704 66.3262
1582.6788 66.0138	1587.2509 66.1726	1591.8228 66.3315
1582.8312 66.0191	1587.4032 66.1779	1591.9752 66.3368
1582.9836 66.0244	1587.5555 66.1832	1592.1276 66.3421
1583.136 66.0297	1587.708 66.1885	1592.28 66.3474
1583.2885 66.035	1587.8604 66.1938	1592.4324 66.3527
1583.4408 66.0403	1588.0128 66.1991	1592.5848 66.358
1583.5931 66.0455	1588.1652 66.2044	1592.7372 66.3633
1583.7456 66.0508	1588.3176 66.2097	1592.8896 66.3685
1583.8979 66.0561	1588.47 66.215	1593.042 66.3738

1593.1945 66.3791	1597.7664 66.538	1602.3384 66.6968
1593.3468 66.3844	1597.9188 66.5433	1602.4908 66.7021
1593.4991 66.3897	1598.0712 66.5486	1602.6432 66.7074
1593.6516 66.395	1598.2236 66.5539	1602.7957 66.7127
1593.804 66.4003	1598.376 66.5592	1602.948 66.718
1593.9564 66.4056	1598.5284 66.5645	1603.1003 66.7233
1594.1088 66.4109	1598.6808 66.5698	1603.2528 66.7286
1594.2612 66.4162	1598.8333 66.5751	1603.4052 66.7339
1594.4136 66.4215	1598.9856 66.5803	1603.5576 66.7392
1594.566 66.4268	1599.1379 66.5856	1603.71 66.7445
1594.7184 66.4321	1599.2904 66.5909	1603.8624 66.7498
1594.8708 66.4374	1599.4427 66.5962	1604.0148 66.7551
1595.0232 66.4427	1599.5952 66.6015	1604.1672 66.7604
1595.1757 66.448	1599.7476 66.6068	1604.3196 66.7657
1595.328 66.4533	1599.9 66.6121	1604.472 66.771
1595.4803 66.4586	1600.0524 66.6174	1604.6244 66.7763
1595.6328 66.4639	1600.2048 66.6227	1604.7769 66.7816
1595.7852 66.4691	1600.3572 66.628	1604.9292 66.7868
1595.9376 66.4744	1600.5096 66.6333	1605.0815 66.7921
1596.09 66.4797	1600.662 66.6386	1605.234 66.7974
1596.2424 66.485	1600.8145 66.6439	1605.3864 66.8027
1596.3948 66.4903	1600.9668 66.6492	1605.5388 66.808
1596.5472 66.4956	1601.1191 66.6545	1605.6912 66.8133
1596.6996 66.5009	1601.2716 66.6598	1605.8436 66.8186
1596.8521 66.5062	1601.424 66.6651	1605.996 66.8239
1597.0044 66.5115	1601.5764 66.6704	1606.1484 66.8292
1597.1569 66.5168	1601.7288 66.6757	1606.3008 66.8345
1597.3092 66.5221	1601.8812 66.681	1606.4532 66.8398
1597.4615 66.5274	1602.0336 66.6862	1606.6056 66.8451
1597.614 66.5327	1602.186 66.6915	1606.7581 66.8504

1606.9104 66.8557	1611.4824 67.0145	1616.0544 67.1734
1607.0627 66.861	1611.6348 67.0198	1616.2068 67.1787
1607.2152 66.8663	1611.7872 67.0251	1616.3593 67.184
1607.3676 66.8716	1611.9396 67.0304	1616.5116 67.1893
1607.52 66.8769	1612.092 67.0357	1616.6639 67.1946
1607.6724 66.8822	1612.2444 67.041	1616.8164 67.1999
1607.8248 66.8875	1612.3969 67.0463	1616.9688 67.2052
1607.9772 66.8927	1612.5492 67.0516	1617.1212 67.2104
1608.1296 66.898	1612.7017 67.0569	1617.2736 67.2157
1608.282 66.9033	1612.854 67.0622	1617.426 67.221
1608.4344 66.9086	1613.0063 67.0675	1617.5784 67.2263
1608.5868 66.9139	1613.1588 67.0728	1617.7308 67.2316
1608.7393 66.9192	1613.3112 67.0781	1617.8832 67.2369
1608.8916 66.9245	1613.4636 67.0834	1618.0356 67.2422
1609.0439 66.9298	1613.616 67.0887	1618.188 67.2475
1609.1964 66.9351	1613.7684 67.094	1618.3405 67.2528
1609.3488 66.9404	1613.9208 67.0993	1618.4928 67.2581
1609.5012 66.9457	1614.0732 67.1046	1618.6451 67.2634
1609.6536 66.951	1614.2256 67.1098	1618.7976 67.2687
1609.806 66.9563	1614.3781 67.1151	1618.95 67.274
1609.9584 66.9616	1614.5304 67.1204	1619.1024 67.2793
1610.1108 66.9669	1614.6827 67.1257	1619.2548 67.2846
1610.2632 66.9722	1614.8352 67.131	1619.4072 67.2899
1610.4156 66.9775	1614.9875 67.1363	1619.5596 67.2952
1610.568 66.9828	1615.14 67.1416	1619.712 67.3005
1610.7205 66.9881	1615.2924 67.1469	1619.8644 67.3058
1610.8728 66.9934	1615.4448 67.1522	1620.0168 67.3111
1611.0251 66.9986	1615.5972 67.1575	1620.1692 67.3163
1611.1776 67.0039	1615.7496 67.1628	1620.3217 67.3216
1611.33 67.0092	1615.902 67.1681	1620.474 67.3269

1620.6263 67.3322	1625.1984 67.4911	1629.7704 67.6499
1620.7788 67.3375	1625.3508 67.4964	1629.9229 67.6552
1620.9312 67.3428	1625.5032 67.5017	1630.0752 67.6605
1621.0836 67.3481	1625.6556 67.507	1630.2275 67.6658
1621.236 67.3534	1625.808 67.5123	1630.38 67.6711
1621.3884 67.3587	1625.9604 67.5176	1630.5323 67.6764
1621.5408 67.364	1626.1128 67.5229	1630.6848 67.6817
1621.6932 67.3693	1626.2653 67.5281	1630.8372 67.687
1621.8456 67.3746	1626.4176 67.5334	1630.9896 67.6923
1621.998 67.3799	1626.5699 67.5387	1631.142 67.6976
1622.1504 67.3852	1626.7224 67.544	1631.2944 67.7029
1622.3029 67.3905	1626.8748 67.5493	1631.4468 67.7082
1622.4552 67.3958	1627.0272 67.5546	1631.5992 67.7135
1622.6075 67.4011	1627.1796 67.5599	1631.7516 67.7188
1622.76 67.4064	1627.332 67.5652	1631.9041 67.7241
1622.9124 67.4117	1627.4844 67.5705	1632.0564 67.7294
1623.0648 67.4169	1627.6368 67.5758	1632.2087 67.7346
1623.2172 67.4222	1627.7892 67.5811	1632.3612 67.7399
1623.3696 67.4275	1627.9417 67.5864	1632.5135 67.7452
1623.522 67.4328	1628.094 67.5917	1632.666 67.7505
1623.6744 67.4381	1628.2465 67.597	1632.8184 67.7558
1623.8268 67.4434	1628.3988 67.6023	1632.9708 67.7611
1623.9792 67.4487	1628.5511 67.6076	1633.1232 67.7664
1624.1316 67.454	1628.7036 67.6129	1633.2756 67.7717
1624.2841 67.4593	1628.856 67.6182	1633.428 67.777
1624.4364 67.4646	1629.0084 67.6235	1633.5804 67.7823
1624.5887 67.4699	1629.1608 67.6287	1633.7328 67.7876
1624.7412 67.4752	1629.3132 67.634	1633.8853 67.7929
1624.8936 67.4805	1629.4656 67.6393	1634.0376 67.7982
1625.046 67.4858	1629.618 67.6446	1634.1899 67.8035

1634.3424 67.8088	1638.9144 67.9676	1643.4865 68.1265
1634.4948 67.8141	1639.0668 67.9729	1643.6388 68.1318
1634.6472 67.8194	1639.2192 67.9782	1643.7913 68.1371
1634.7996 67.8247	1639.3716 67.9835	1643.9436 68.1424
1634.952 67.83	1639.524 67.9888	1644.0959 68.1477
1635.1044 67.8353	1639.6764 67.9941	1644.2484 68.153
1635.2568 67.8405	1639.8289 67.9994	1644.4008 68.1582
1635.4092 67.8458	1639.9812 68.0047	1644.5532 68.1635
1635.5616 67.8511	1640.1335 68.01	1644.7056 68.1688
1635.714 67.8564	1640.286 68.0153	1644.858 68.1741
1635.8665 67.8617	1640.4384 68.0206	1645.0104 68.1794
1636.0188 67.867	1640.5908 68.0259	1645.1628 68.1847
1636.1711 67.8723	1640.7432 68.0312	1645.3152 68.19
1636.3236 67.8776	1640.8956 68.0365	1645.4677 68.1953
1636.476 67.8829	1641.048 68.0418	1645.62 68.2006
1636.6284 67.8882	1641.2004 68.0471	1645.7725 68.2059
1636.7808 67.8935	1641.3528 68.0523	1645.9248 68.2112
1636.9332 67.8988	1641.5052 68.0576	1646.0771 68.2165
1637.0856 67.9041	1641.6576 68.0629	1646.2296 68.2218
1637.238 67.9094	1641.8101 68.0682	1646.382 68.2271
1637.3904 67.9147	1641.9624 68.0735	1646.5344 68.2324
1637.5428 67.92	1642.1147 68.0788	1646.6868 68.2377
1637.6952 67.9253	1642.2672 68.0841	1646.8392 68.243
1637.8477 67.9306	1642.4196 68.0894	1646.9916 68.2483
1638 67.9359	1642.572 68.0947	1647.144 68.2536
1638.1523 67.9411	1642.7244 68.1	1647.2964 68.2589
1638.3048 67.9464	1642.8768 68.1053	1647.4489 68.2641
1638.4572 67.9517	1643.0292 68.1106	1647.6012 68.2694
1638.6096 67.957	1643.1816 68.1159	1647.7535 68.2747
1638.762 67.9623	1643.334 68.1212	1647.906 68.28

1648.0583 68.2853	1652.6304 68.4442	1657.2024 68.603
1648.2108 68.2906	1652.7828 68.4495	1657.3549 68.6083
1648.3632 68.2959	1652.9352 68.4548	1657.5072 68.6136
1648.5156 68.3012	1653.0876 68.4601	1657.6595 68.6189
1648.668 68.3065	1653.24 68.4654	1657.812 68.6242
1648.8204 68.3118	1653.3925 68.4706	1657.9644 68.6295
1648.9728 68.3171	1653.5448 68.4759	1658.1168 68.6348
1649.1252 68.3224	1653.6971 68.4812	1658.2692 68.6401
1649.2776 68.3277	1653.8496 68.4865	1658.4216 68.6454
1649.4301 68.333	1654.002 68.4918	1658.574 68.6507
1649.5824 68.3383	1654.1544 68.4971	1658.7264 68.656
1649.7347 68.3436	1654.3068 68.5024	1658.8788 68.6613
1649.8872 68.3489	1654.4592 68.5077	1659.0313 68.6666
1650.0396 68.3542	1654.6116 68.513	1659.1836 68.6719
1650.192 68.3595	1654.764 68.5183	1659.3361 68.6772
1650.3444 68.3647	1654.9164 68.5236	1659.4884 68.6824
1650.4968 68.37	1655.0688 68.5289	1659.6407 68.6877
1650.6492 68.3753	1655.2212 68.5342	1659.7932 68.693
1650.8016 68.3806	1655.3737 68.5395	1659.9456 68.6983
1650.954 68.3859	1655.526 68.5448	1660.098 68.7036
1651.1064 68.3912	1655.6783 68.5501	1660.2504 68.7089
1651.2588 68.3965	1655.8308 68.5554	1660.4028 68.7142
1651.4113 68.4018	1655.9832 68.5607	1660.5552 68.7195
1651.5636 68.4071	1656.1356 68.566	1660.7076 68.7248
1651.7159 68.4124	1656.288 68.5713	1660.86 68.7301
1651.8684 68.4177	1656.4404 68.5766	1661.0125 68.7354
1652.0208 68.423	1656.5928 68.5818	1661.1648 68.7407
1652.1732 68.4283	1656.7452 68.5871	1661.3173 68.746
1652.3256 68.4336	1656.8976 68.5924	1661.4696 68.7513
1652.478 68.4389	1657.05 68.5977	1661.6219 68.7566

1661.7744 68.7619	1666.3464 68.9207	1670.9185 69.0796
1661.9268 68.7672	1666.4988 68.926	1671.0708 69.0849
1662.0792 68.7725	1666.6512 68.9313	1671.2231 69.0902
1662.2316 68.7778	1666.8036 68.9366	1671.3756 69.0955
1662.384 68.7831	1666.9561 68.9419	1671.528 69.1008
1662.5364 68.7883	1667.1084 68.9472	1671.6804 69.106
1662.6888 68.7936	1667.2607 68.9525	1671.8328 69.1113
1662.8412 68.7989	1667.4132 68.9578	1671.9852 69.1166
1662.9937 68.8042	1667.5656 68.9631	1672.1376 69.1219
1663.146 68.8095	1667.718 68.9684	1672.29 69.1272
1663.2983 68.8148	1667.8704 68.9737	1672.4424 69.1325
1663.4508 68.8201	1668.0228 68.979	1672.5948 69.1378
1663.6031 68.8254	1668.1752 68.9843	1672.7472 69.1431
1663.7556 68.8307	1668.3276 68.9896	1672.8997 69.1484
1663.908 68.836	1668.48 68.9949	1673.052 69.1537
1664.0604 68.8413	1668.6324 69.0001	1673.2043 69.159
1664.2128 68.8466	1668.7848 69.0054	1673.3568 69.1643
1664.3652 68.8519	1668.9373 69.0107	1673.5092 69.1696
1664.5176 68.8572	1669.0896 69.016	1673.6616 69.1749
1664.67 68.8625	1669.2419 69.0213	1673.814 69.1802
1664.8224 68.8678	1669.3944 69.0266	1673.9664 69.1855
1664.9749 68.8731	1669.5468 69.0319	1674.1188 69.1908
1665.1272 68.8784	1669.6992 69.0372	1674.2712 69.1961
1665.2795 68.8837	1669.8516 69.0425	1674.4236 69.2014
1665.432 68.8889	1670.004 69.0478	1674.576 69.2066
1665.5844 68.8942	1670.1564 69.0531	1674.7284 69.2119
1665.7368 68.8995	1670.3088 69.0584	1674.8809 69.2172
1665.8892 68.9048	1670.4612 69.0637	1675.0332 69.2225
1666.0416 68.9101	1670.6136 69.069	1675.1855 69.2278
1666.194 68.9154	1670.766 69.0743	1675.338 69.2331

1675.4904 69.2384	1680.0624 69.3973	1684.6344 69.5561
1675.6428 69.2437	1680.2148 69.4026	1684.7867 69.5614
1675.7952 69.249	1680.3672 69.4079	1684.9392 69.5667
1675.9476 69.2543	1680.5197 69.4132	1685.0916 69.572
1676.1 69.2596	1680.672 69.4184	1685.244 69.5773
1676.2524 69.2649	1680.8243 69.4237	1685.3964 69.5826
1676.4048 69.2702	1680.9768 69.429	1685.5488 69.5879
1676.5573 69.2755	1681.1292 69.4343	1685.7012 69.5932
1676.7096 69.2808	1681.2816 69.4396	1685.8536 69.5985
1676.8621 69.2861	1681.434 69.4449	1686.006 69.6038
1677.0144 69.2914	1681.5864 69.4502	1686.1584 69.6091
1677.1667 69.2967	1681.7388 69.4555	1686.3108 69.6144
1677.3192 69.302	1681.8912 69.4608	1686.4633 69.6197
1677.4716 69.3073	1682.0436 69.4661	1686.6156 69.625
1677.624 69.3125	1682.196 69.4714	1686.7679 69.6302
1677.7764 69.3178	1682.3484 69.4767	1686.9204 69.6355
1677.9288 69.3231	1682.5009 69.482	1687.0728 69.6408
1678.0812 69.3284	1682.6532 69.4873	1687.2252 69.6461
1678.2336 69.3337	1682.8055 69.4926	1687.3776 69.6514
1678.386 69.339	1682.958 69.4979	1687.53 69.6567
1678.5385 69.3443	1683.1104 69.5032	1687.6824 69.662
1678.6908 69.3496	1683.2628 69.5085	1687.8348 69.6673
1678.8431 69.3549	1683.4152 69.5138	1687.9872 69.6726
1678.9956 69.3602	1683.5676 69.5191	1688.1396 69.6779
1679.1479 69.3655	1683.72 69.5243	1688.292 69.6832
1679.3004 69.3708	1683.8724 69.5296	1688.4445 69.6885
1679.4528 69.3761	1684.0248 69.5349	1688.5968 69.6938
1679.6052 69.3814	1684.1772 69.5402	1688.7491 69.6991
1679.7576 69.3867	1684.3296 69.5455	1688.9016 69.7044
1679.91 69.392	1684.4821 69.5508	1689.054 69.7097

1689.2064 69.715	1693.7784 69.8738	1698.3503 70.0327
1689.3588 69.7203	1693.9308 69.8791	1698.5028 70.038
1689.5112 69.7256	1694.0833 69.8844	1698.6552 70.0433
1689.6636 69.7309	1694.2356 69.8897	1698.8076 70.0486
1689.816 69.7361	1694.3879 69.895	1698.96 70.0538
1689.9684 69.7414	1694.5404 69.9003	1699.1124 70.0591
1690.1208 69.7467	1694.6927 69.9056	1699.2648 70.0644
1690.2732 69.752	1694.8452 69.9109	1699.4172 70.0697
1690.4257 69.7573	1694.9976 69.9162	1699.5696 70.075
1690.578 69.7626	1695.15 69.9215	1699.722 70.0803
1690.7303 69.7679	1695.3024 69.9268	1699.8744 70.0856
1690.8828 69.7732	1695.4548 69.9321	1700.0269 70.0909
1691.0352 69.7785	1695.6072 69.9374	1700.1792 70.0962
1691.1876 69.7838	1695.7596 69.9426	1700.3315 70.1015
1691.34 69.7891	1695.912 69.9479	1700.484 70.1068
1691.4924 69.7944	1696.0645 69.9532	1700.6364 70.1121
1691.6448 69.7997	1696.2168 69.9585	1700.7888 70.1174
1691.7972 69.805	1696.3691 69.9638	1700.9412 70.1227
1691.9496 69.8103	1696.5216 69.9691	1701.0936 70.128
1692.1021 69.8156	1696.674 69.9744	1701.246 70.1333
1692.2544 69.8209	1696.8264 69.9797	1701.3984 70.1386
1692.4069 69.8262	1696.9788 69.985	1701.5508 70.1439
1692.5592 69.8315	1697.1312 69.9903	1701.7032 70.1492
1692.7115 69.8367	1697.2836 69.9956	1701.8556 70.1544
1692.864 69.842	1697.436 70.0009	1702.0081 70.1597
1693.0164 69.8473	1697.5884 70.0062	1702.1604 70.165
1693.1688 69.8526	1697.7408 70.0115	1702.3127 70.1703
1693.3212 69.8579	1697.8932 70.0168	1702.4652 70.1756
1693.4736 69.8632	1698.0457 70.0221	1702.6176 70.1809
1693.626 69.8685	1698.198 70.0274	1702.77 70.1862

1702.9224 70.1915	1707.4944 70.3504	1712.0664 70.5092
1703.0748 70.1968	1707.6469 70.3557	1712.2188 70.5145
1703.2272 70.2021	1707.7992 70.3609	1712.3712 70.5198
1703.3796 70.2074	1707.9517 70.3662	1712.5236 70.5251
1703.532 70.2127	1708.104 70.3715	1712.676 70.5304
1703.6844 70.218	1708.2563 70.3768	1712.8284 70.5357
1703.8368 70.2233	1708.4088 70.3821	1712.9808 70.541
1703.9893 70.2286	1708.5612 70.3874	1713.1332 70.5463
1704.1416 70.2339	1708.7136 70.3927	1713.2856 70.5516
1704.2939 70.2392	1708.866 70.398	1713.438 70.5569
1704.4464 70.2445	1709.0184 70.4033	1713.5905 70.5622
1704.5988 70.2498	1709.1708 70.4086	1713.7428 70.5675
1704.7512 70.2551	1709.3232 70.4139	1713.8951 70.5728
1704.9036 70.2603	1709.4756 70.4192	1714.0476 70.578
1705.056 70.2656	1709.6281 70.4245	1714.2 70.5833
1705.2084 70.2709	1709.7804 70.4298	1714.3524 70.5886
1705.3608 70.2762	1709.9327 70.4351	1714.5048 70.5939
1705.5132 70.2815	1710.0852 70.4404	1714.6572 70.5992
1705.6656 70.2868	1710.2375 70.4457	1714.8096 70.6045
1705.818 70.2921	1710.39 70.451	1714.962 70.6098
1705.9705 70.2974	1710.5424 70.4563	1715.1144 70.6151
1706.1228 70.3027	1710.6948 70.4616	1715.2668 70.6204
1706.2751 70.308	1710.8472 70.4669	1715.4192 70.6257
1706.4276 70.3133	1710.9996 70.4721	1715.5717 70.631
1706.58 70.3186	1711.152 70.4774	1715.724 70.6363
1706.7324 70.3239	1711.3044 70.4827	1715.8763 70.6416
1706.8848 70.3292	1711.4568 70.488	1716.0288 70.6469
1707.0372 70.3345	1711.6093 70.4933	1716.1812 70.6522
1707.1896 70.3398	1711.7616 70.4986	1716.3336 70.6575
1707.342 70.3451	1711.9139 70.5039	1716.486 70.6628

1716.6384 70.6681	1721.2104 70.8269	1725.7823 70.9858
1716.7908 70.6734	1721.3628 70.8322	1725.9348 70.9911
1716.9432 70.6786	1721.5153 70.8375	1726.0872 70.9963
1717.0956 70.6839	1721.6676 70.8428	1726.2396 71.0016
1717.248 70.6892	1721.8199 70.8481	1726.392 71.0069
1717.4004 70.6945	1721.9724 70.8534	1726.5444 71.0122
1717.5529 70.6998	1722.1248 70.8587	1726.6968 71.0175
1717.7052 70.7051	1722.2772 70.864	1726.8492 71.0228
1717.8575 70.7104	1722.4296 70.8693	1727.0016 71.0281
1718.01 70.7157	1722.582 70.8746	1727.1541 71.0334
1718.1624 70.721	1722.7344 70.8799	1727.3064 71.0387
1718.3148 70.7263	1722.8868 70.8852	1727.4587 71.044
1718.4672 70.7316	1723.0392 70.8904	1727.6112 71.0493
1718.6196 70.7369	1723.1917 70.8957	1727.7635 71.0546
1718.772 70.7422	1723.344 70.901	1727.916 71.0599
1718.9244 70.7475	1723.4965 70.9063	1728.0684 71.0652
1719.0768 70.7528	1723.6488 70.9116	1728.2208 71.0705
1719.2292 70.7581	1723.8011 70.9169	1728.3732 71.0758
1719.3816 70.7634	1723.9536 70.9222	1728.5256 71.0811
1719.5341 70.7687	1724.106 70.9275	1728.678 71.0864
1719.6864 70.774	1724.2584 70.9328	1728.8304 71.0917
1719.8387 70.7793	1724.4108 70.9381	1728.9828 71.097
1719.9912 70.7845	1724.5632 70.9434	1729.1353 71.1022
1720.1436 70.7898	1724.7156 70.9487	1729.2876 71.1075
1720.296 70.7951	1724.868 70.954	1729.4399 71.1128
1720.4484 70.8004	1725.0204 70.9593	1729.5924 71.1181
1720.6008 70.8057	1725.1729 70.9646	1729.7448 71.1234
1720.7532 70.811	1725.3252 70.9699	1729.8972 71.1287
1720.9056 70.8163	1725.4775 70.9752	1730.0496 71.134
1721.058 70.8216	1725.63 70.9805	1730.202 71.1393

1730.3544 71.1446	1734.9264 71.3035	1739.4984 71.4623
1730.5068 71.1499	1735.0789 71.3088	1739.6508 71.4676
1730.6592 71.1552	1735.2312 71.314	1739.8032 71.4729
1730.8116 71.1605	1735.3835 71.3193	1739.9556 71.4782
1730.964 71.1658	1735.536 71.3246	1740.108 71.4835
1731.1165 71.1711	1735.6884 71.3299	1740.2604 71.4888
1731.2688 71.1764	1735.8408 71.3352	1740.4128 71.4941
1731.4211 71.1817	1735.9932 71.3405	1740.5652 71.4994
1731.5736 71.187	1736.1456 71.3458	1740.7177 71.5047
1731.726 71.1923	1736.298 71.3511	1740.87 71.51
1731.8784 71.1976	1736.4504 71.3564	1741.0225 71.5153
1732.0308 71.2029	1736.6028 71.3617	1741.1748 71.5206
1732.1832 71.2081	1736.7552 71.367	1741.3271 71.5258
1732.3356 71.2134	1736.9076 71.3723	1741.4796 71.5311
1732.488 71.2187	1737.0601 71.3776	1741.632 71.5364
1732.6404 71.224	1737.2124 71.3829	1741.7844 71.5417
1732.7928 71.2293	1737.3647 71.3882	1741.9368 71.547
1732.9452 71.2346	1737.5172 71.3935	1742.0892 71.5523
1733.0977 71.2399	1737.6696 71.3988	1742.2416 71.5576
1733.25 71.2452	1737.822 71.4041	1742.394 71.5629
1733.4023 71.2505	1737.9744 71.4094	1742.5464 71.5682
1733.5548 71.2558	1738.1268 71.4146	1742.6989 71.5735
1733.7072 71.2611	1738.2792 71.4199	1742.8512 71.5788
1733.8596 71.2664	1738.4316 71.4252	1743.0035 71.5841
1734.012 71.2717	1738.584 71.4305	1743.156 71.5894
1734.1644 71.277	1738.7365 71.4358	1743.3083 71.5947
1734.3168 71.2823	1738.8888 71.4411	1743.4608 71.6
1734.4692 71.2876	1739.0413 71.4464	1743.6132 71.6053
1734.6216 71.2929	1739.1936 71.4517	1743.7656 71.6106
1734.774 71.2982	1739.3459 71.457	1743.918 71.6159

1744.0704 71.6212	1748.6425 71.78	1753.2144 71.9389
1744.2228 71.6264	1748.7948 71.7853	1753.3668 71.9441
1744.3752 71.6317	1748.9471 71.7906	1753.5192 71.9494
1744.5276 71.637	1749.0996 71.7959	1753.6716 71.9547
1744.6801 71.6423	1749.252 71.8012	1753.824 71.96
1744.8324 71.6476	1749.4044 71.8065	1753.9764 71.9653
1744.9847 71.6529	1749.5568 71.8118	1754.1288 71.9706
1745.1372 71.6582	1749.7092 71.8171	1754.2813 71.9759
1745.2896 71.6635	1749.8616 71.8224	1754.4336 71.9812
1745.442 71.6688	1750.014 71.8277	1754.5861 71.9865
1745.5944 71.6741	1750.1664 71.8329	1754.7384 71.9918
1745.7468 71.6794	1750.3188 71.8382	1754.8907 71.9971
1745.8992 71.6847	1750.4712 71.8435	1755.0432 72.0024
1746.0516 71.69	1750.6237 71.8488	1755.1956 72.0077
1746.204 71.6953	1750.776 71.8541	1755.348 72.013
1746.3564 71.7006	1750.9283 71.8594	1755.5004 72.0183
1746.5088 71.7059	1751.0808 71.8647	1755.6528 72.0236
1746.6613 71.7112	1751.2332 71.87	1755.8052 72.0289
1746.8136 71.7165	1751.3856 71.8753	1755.9576 72.0342
1746.9659 71.7218	1751.538 71.8806	1756.11 72.0395
1747.1184 71.7271	1751.6904 71.8859	1756.2625 72.0448
1747.2708 71.7323	1751.8428 71.8912	1756.4148 72.05
1747.4232 71.7376	1751.9952 71.8965	1756.5673 72.0553
1747.5756 71.7429	1752.1476 71.9018	1756.7196 72.0606
1747.728 71.7482	1752.3 71.9071	1756.8719 72.0659
1747.8804 71.7535	1752.4524 71.9124	1757.0244 72.0712
1748.0328 71.7588	1752.6049 71.9177	1757.1768 72.0765
1748.1852 71.7641	1752.7572 71.923	1757.3292 72.0818
1748.3376 71.7694	1752.9095 71.9283	1757.4816 72.0871
1748.49 71.7747	1753.062 71.9336	1757.634 72.0924

1757.7864 72.0977	1762.3584 72.2565	1766.9304 72.4154
1757.9388 72.103	1762.5107 72.2618	1767.0828 72.4207
1758.0912 72.1083	1762.6632 72.2671	1767.2352 72.426
1758.2437 72.1136	1762.8156 72.2724	1767.3876 72.4313
1758.396 72.1189	1762.968 72.2777	1767.54 72.4366
1758.5483 72.1242	1763.1204 72.283	1767.6924 72.4419
1758.7008 72.1295	1763.2728 72.2883	1767.8448 72.4472
1758.8531 72.1348	1763.4252 72.2936	1767.9972 72.4525
1759.0056 72.1401	1763.5776 72.2989	1768.1497 72.4578
1759.158 72.1454	1763.73 72.3042	1768.302 72.4631
1759.3104 72.1507	1763.8824 72.3095	1768.4543 72.4683
1759.4628 72.1559	1764.0348 72.3148	1768.6068 72.4736
1759.6152 72.1612	1764.1873 72.3201	1768.7592 72.4789
1759.7676 72.1665	1764.3396 72.3254	1768.9116 72.4842
1759.92 72.1718	1764.4919 72.3307	1769.064 72.4895
1760.0724 72.1771	1764.6444 72.336	1769.2164 72.4948
1760.2249 72.1824	1764.7968 72.3413	1769.3688 72.5001
1760.3772 72.1877	1764.9492 72.3466	1769.5212 72.5054
1760.5295 72.193	1765.1016 72.3519	1769.6736 72.5107
1760.682 72.1983	1765.254 72.3572	1769.826 72.516
1760.8344 72.2036	1765.4064 72.3624	1769.9784 72.5213
1760.9868 72.2089	1765.5588 72.3677	1770.1309 72.5266
1761.1392 72.2142	1765.7112 72.373	1770.2832 72.5319
1761.2916 72.2195	1765.8636 72.3783	1770.4355 72.5372
1761.444 72.2248	1766.016 72.3836	1770.588 72.5425
1761.5964 72.2301	1766.1685 72.3889	1770.7404 72.5478
1761.7488 72.2354	1766.3208 72.3942	1770.8928 72.5531
1761.9012 72.2407	1766.4731 72.3995	1771.0452 72.5584
1762.0536 72.246	1766.6256 72.4048	1771.1976 72.5637
1762.2061 72.2513	1766.778 72.4101	1771.35 72.569

1771.5024 72.5742	1776.0743 72.7331	1780.6464 72.8919
1771.6548 72.5795	1776.2268 72.7384	1780.7988 72.8972
1771.8073 72.5848	1776.3792 72.7437	1780.9512 72.9025
1771.9596 72.5901	1776.5316 72.749	1781.1036 72.9078
1772.1121 72.5954	1776.684 72.7543	1781.256 72.9131
1772.2644 72.6007	1776.8364 72.7596	1781.4084 72.9184
1772.4167 72.606	1776.9888 72.7649	1781.5608 72.9237
1772.5692 72.6113	1777.1412 72.7702	1781.7133 72.929
1772.7216 72.6166	1777.2936 72.7755	1781.8656 72.9343
1772.874 72.6219	1777.446 72.7808	1782.0179 72.9396
1773.0264 72.6272	1777.5984 72.786	1782.1704 72.9449
1773.1788 72.6325	1777.7509 72.7913	1782.3228 72.9502
1773.3312 72.6378	1777.9032 72.7966	1782.4752 72.9555
1773.4836 72.6431	1778.0555 72.8019	1782.6276 72.9608
1773.636 72.6484	1778.208 72.8072	1782.78 72.9661
1773.7885 72.6537	1778.3604 72.8125	1782.9324 72.9714
1773.9408 72.659	1778.5128 72.8178	1783.0848 72.9767
1774.0931 72.6643	1778.6652 72.8231	1783.2372 72.982
1774.2456 72.6696	1778.8176 72.8284	1783.3896 72.9873
1774.3979 72.6749	1778.97 72.8337	1783.542 72.9926
1774.5504 72.6801	1779.1224 72.839	1783.6945 72.9978
1774.7028 72.6854	1779.2748 72.8443	1783.8468 73.0031
1774.8552 72.6907	1779.4272 72.8496	1783.9991 73.0084
1775.0076 72.696	1779.5796 72.8549	1784.1516 73.0137
1775.16 72.7013	1779.7321 72.8602	1784.304 73.019
1775.3124 72.7066	1779.8844 72.8655	1784.4564 73.0243
1775.4648 72.7119	1780.0367 72.8708	1784.6088 73.0296
1775.6172 72.7172	1780.1892 72.8761	1784.7612 73.0349
1775.7697 72.7225	1780.3416 72.8814	1784.9136 73.0402
1775.922 72.7278	1780.494 72.8867	1785.066 73.0455

1785.2184 73.0508	1789.7904 73.2096	1794.3624 73.3685
1785.3708 73.0561	1789.9427 73.2149	1794.5148 73.3738
1785.5232 73.0614	1790.0952 73.2202	1794.6672 73.3791
1785.6757 73.0667	1790.2476 73.2255	1794.8196 73.3844
1785.828 73.072	1790.4 73.2308	1794.972 73.3897
1785.9803 73.0773	1790.5524 73.2361	1795.1244 73.395
1786.1328 73.0826	1790.7048 73.2414	1795.2769 73.4003
1786.2852 73.0879	1790.8572 73.2467	1795.4292 73.4056
1786.4376 73.0932	1791.0096 73.252	1795.5815 73.4109
1786.59 73.0984	1791.162 73.2573	1795.734 73.4161
1786.7424 73.1037	1791.3145 73.2626	1795.8864 73.4214
1786.8948 73.109	1791.4668 73.2679	1796.0388 73.4267
1787.0472 73.1143	1791.6191 73.2732	1796.1912 73.432
1787.1996 73.1196	1791.7716 73.2785	1796.3436 73.4373
1787.3521 73.1249	1791.924 73.2838	1796.496 73.4426
1787.5044 73.1302	1792.0764 73.2891	1796.6484 73.4479
1787.6569 73.1355	1792.2288 73.2944	1796.8008 73.4532
1787.8092 73.1408	1792.3812 73.2997	1796.9532 73.4585
1787.9615 73.1461	1792.5336 73.3049	1797.1056 73.4638
1788.114 73.1514	1792.686 73.3102	1797.2581 73.4691
1788.2664 73.1567	1792.8384 73.3155	1797.4104 73.4744
1788.4188 73.162	1792.9908 73.3208	1797.5627 73.4797
1788.5712 73.1673	1793.1432 73.3261	1797.7152 73.485
1788.7236 73.1726	1793.2957 73.3314	1797.8676 73.4903
1788.876 73.1779	1793.448 73.3367	1798.02 73.4956
1789.0284 73.1832	1793.6003 73.342	1798.1724 73.5009
1789.1808 73.1885	1793.7528 73.3473	1798.3248 73.5062
1789.3333 73.1938	1793.9052 73.3526	1798.4772 73.5115
1789.4856 73.1991	1794.0576 73.3579	1798.6296 73.5168
1789.6379 73.2043	1794.21 73.3632	1798.782 73.522

1798.9344 73.5273	1803.5063 73.6862	1808.0784 73.845
1799.0868 73.5326	1803.6588 73.6915	1808.2308 73.8503
1799.2393 73.5379	1803.8112 73.6968	1808.3832 73.8556
1799.3916 73.5432	1803.9636 73.7021	1808.5356 73.8609
1799.5439 73.5485	1804.116 73.7074	1808.688 73.8662
1799.6964 73.5538	1804.2684 73.7127	1808.8405 73.8715
1799.8488 73.5591	1804.4208 73.718	1808.9928 73.8768
1800.0012 73.5644	1804.5732 73.7233	1809.1451 73.8821
1800.1536 73.5697	1804.7256 73.7285	1809.2976 73.8874
1800.306 73.575	1804.8781 73.7338	1809.45 73.8927
1800.4584 73.5803	1805.0304 73.7391	1809.6024 73.898
1800.6108 73.5856	1805.1827 73.7444	1809.7548 73.9033
1800.7632 73.5909	1805.3352 73.7497	1809.9072 73.9086
1800.9156 73.5962	1805.4875 73.755	1810.0596 73.9139
1801.068 73.6015	1805.64 73.7603	1810.212 73.9192
1801.2205 73.6068	1805.7924 73.7656	1810.3644 73.9245
1801.3728 73.6121	1805.9448 73.7709	1810.5168 73.9298
1801.5251 73.6174	1806.0972 73.7762	1810.6692 73.9351
1801.6776 73.6227	1806.2496 73.7815	1810.8217 73.9404
1801.83 73.6279	1806.402 73.7868	1810.974 73.9456
1801.9824 73.6332	1806.5544 73.7921	1811.1263 73.9509
1802.1348 73.6385	1806.7068 73.7974	1811.2788 73.9562
1802.2872 73.6438	1806.8593 73.8027	1811.4312 73.9615
1802.4396 73.6491	1807.0116 73.808	1811.5836 73.9668
1802.592 73.6544	1807.1639 73.8133	1811.736 73.9721
1802.7444 73.6597	1807.3164 73.8186	1811.8884 73.9774
1802.8969 73.665	1807.4688 73.8239	1812.0408 73.9827
1803.0492 73.6703	1807.6212 73.8292	1812.1932 73.988
1803.2017 73.6756	1807.7736 73.8344	1812.3456 73.9933
1803.354 73.6809	1807.926 73.8397	1812.498 73.9986

1812.6504 74.0039	1817.2224 74.1627	1821.7944 74.3216
1812.8029 74.0092	1817.3748 74.168	1821.9468 74.3269
1812.9552 74.0145	1817.5272 74.1733	1822.0992 74.3322
1813.1075 74.0198	1817.6796 74.1786	1822.2516 74.3375
1813.26 74.0251	1817.832 74.1839	1822.4041 74.3428
1813.4124 74.0304	1817.9844 74.1892	1822.5564 74.3481
1813.5648 74.0357	1818.1368 74.1945	1822.7087 74.3534
1813.7172 74.041	1818.2892 74.1998	1822.8612 74.3587
1813.8696 74.0462	1818.4417 74.2051	1823.0135 74.3639
1814.022 74.0515	1818.594 74.2104	1823.166 74.3692
1814.1744 74.0568	1818.7465 74.2157	1823.3184 74.3745
1814.3268 74.0621	1818.8988 74.221	1823.4708 74.3798
1814.4792 74.0674	1819.0511 74.2263	1823.6232 74.3851
1814.6316 74.0727	1819.2036 74.2316	1823.7756 74.3904
1814.7841 74.078	1819.356 74.2369	1823.928 74.3957
1814.9364 74.0833	1819.5084 74.2422	1824.0804 74.401
1815.0887 74.0886	1819.6608 74.2475	1824.2328 74.4063
1815.2412 74.0939	1819.8132 74.2528	1824.3853 74.4116
1815.3936 74.0992	1819.9656 74.258	1824.5376 74.4169
1815.546 74.1045	1820.118 74.2633	1824.6899 74.4222
1815.6984 74.1098	1820.2704 74.2686	1824.8424 74.4275
1815.8508 74.1151	1820.4229 74.2739	1824.9948 74.4328
1816.0032 74.1204	1820.5752 74.2792	1825.1472 74.4381
1816.1556 74.1257	1820.7275 74.2845	1825.2996 74.4434
1816.308 74.131	1820.88 74.2898	1825.452 74.4487
1816.4604 74.1363	1821.0323 74.2951	1825.6044 74.454
1816.6128 74.1416	1821.1848 74.3004	1825.7568 74.4593
1816.7653 74.1469	1821.3372 74.3057	1825.9092 74.4646
1816.9176 74.1521	1821.4896 74.311	1826.0616 74.4698
1817.0699 74.1574	1821.642 74.3163	1826.214 74.4751

1826.3665 74.4804	1830.9384 74.6393	1835.5104 74.7981
1826.5188 74.4857	1831.0908 74.6446	1835.6628 74.8034
1826.6711 74.491	1831.2432 74.6499	1835.8152 74.8087
1826.8236 74.4963	1831.3956 74.6552	1835.9677 74.814
1826.976 74.5016	1831.548 74.6605	1836.12 74.8193
1827.1284 74.5069	1831.7004 74.6658	1836.2725 74.8246
1827.2808 74.5122	1831.8528 74.6711	1836.4248 74.8299
1827.4332 74.5175	1832.0052 74.6763	1836.5771 74.8352
1827.5856 74.5228	1832.1576 74.6816	1836.7296 74.8405
1827.738 74.5281	1832.3101 74.6869	1836.882 74.8458
1827.8904 74.5334	1832.4624 74.6922	1837.0344 74.8511
1828.0428 74.5387	1832.6147 74.6975	1837.1868 74.8564
1828.1952 74.544	1832.7672 74.7028	1837.3392 74.8617
1828.3477 74.5493	1832.9196 74.7081	1837.4916 74.867
1828.5 74.5546	1833.072 74.7134	1837.644 74.8723
1828.6523 74.5599	1833.2244 74.7187	1837.7964 74.8776
1828.8048 74.5652	1833.3768 74.724	1837.9489 74.8829
1828.9572 74.5704	1833.5292 74.7293	1838.1012 74.8881
1829.1096 74.5757	1833.6816 74.7346	1838.2535 74.8934
1829.262 74.581	1833.834 74.7399	1838.406 74.8987
1829.4144 74.5863	1833.9865 74.7452	1838.5583 74.904
1829.5668 74.5916	1834.1388 74.7505	1838.7108 74.9093
1829.7192 74.5969	1834.2913 74.7558	1838.8632 74.9146
1829.8716 74.6022	1834.4436 74.7611	1839.0156 74.9199
1830.024 74.6075	1834.5959 74.7664	1839.168 74.9252
1830.1764 74.6128	1834.7484 74.7717	1839.3204 74.9305
1830.3289 74.6181	1834.9008 74.7769	1839.4728 74.9358
1830.4812 74.6234	1835.0532 74.7822	1839.6252 74.9411
1830.6335 74.6287	1835.2056 74.7875	1839.7776 74.9464
1830.786 74.634	1835.358 74.7928	1839.9301 74.9517

1840.0824 74.957	1844.6544 75.1158	1849.2264 75.2747
1840.2347 74.9623	1844.8068 75.1211	1849.3788 75.28
1840.3872 74.9676	1844.9592 75.1264	1849.5313 75.2853
1840.5396 74.9729	1845.1116 75.1317	1849.6836 75.2906
1840.692 74.9782	1845.264 75.137	1849.8361 75.2959
1840.8444 74.9835	1845.4164 75.1423	1849.9884 75.3012
1840.9968 74.9888	1845.5688 75.1476	1850.1407 75.3064
1841.1492 74.994	1845.7212 75.1529	1850.2932 75.3117
1841.3016 74.9993	1845.8737 75.1582	1850.4456 75.317
1841.454 75.0046	1846.026 75.1635	1850.598 75.3223
1841.6064 75.0099	1846.1783 75.1688	1850.7504 75.3276
1841.7588 75.0152	1846.3308 75.1741	1850.9028 75.3329
1841.9113 75.0205	1846.4832 75.1794	1851.0552 75.3382
1842.0636 75.0258	1846.6356 75.1847	1851.2076 75.3435
1842.2159 75.0311	1846.788 75.19	1851.36 75.3488
1842.3684 75.0364	1846.9404 75.1953	1851.5125 75.3541
1842.5208 75.0417	1847.0928 75.2005	1851.6648 75.3594
1842.6732 75.047	1847.2452 75.2058	1851.8173 75.3647
1842.8256 75.0523	1847.3976 75.2111	1851.9696 75.37
1842.978 75.0576	1847.55 75.2164	1852.1219 75.3753
1843.1304 75.0629	1847.7024 75.2217	1852.2744 75.3806
1843.2828 75.0682	1847.8549 75.227	1852.4268 75.3859
1843.4352 75.0735	1848.0072 75.2323	1852.5792 75.3912
1843.5876 75.0788	1848.1595 75.2376	1852.7316 75.3965
1843.74 75.0841	1848.312 75.2429	1852.884 75.4018
1843.8925 75.0894	1848.4644 75.2482	1853.0364 75.4071
1844.0448 75.0947	1848.6168 75.2535	1853.1888 75.4124
1844.1971 75.0999	1848.7692 75.2588	1853.3412 75.4176
1844.3496 75.1052	1848.9216 75.2641	1853.4937 75.4229
1844.502 75.1105	1849.074 75.2694	1853.646 75.4282

1853.7983 75.4335	1858.3704 75.5924	1862.9424 75.7512
1853.9508 75.4388	1858.5228 75.5977	1863.0948 75.7565
1854.1031 75.4441	1858.6752 75.603	1863.2472 75.7618
1854.2556 75.4494	1858.8276 75.6083	1863.3997 75.7671
1854.408 75.4547	1858.98 75.6136	1863.552 75.7724
1854.5604 75.46	1859.1324 75.6189	1863.7043 75.7777
1854.7128 75.4653	1859.2848 75.6241	1863.8568 75.783
1854.8652 75.4706	1859.4373 75.6294	1864.0092 75.7883
1855.0176 75.4759	1859.5896 75.6347	1864.1616 75.7936
1855.17 75.4812	1859.7419 75.64	1864.314 75.7989
1855.3224 75.4865	1859.8944 75.6453	1864.4664 75.8042
1855.4749 75.4918	1860.0468 75.6506	1864.6188 75.8095
1855.6272 75.4971	1860.1992 75.6559	1864.7712 75.8148
1855.7795 75.5024	1860.3516 75.6612	1864.9236 75.8201
1855.932 75.5077	1860.504 75.6665	1865.076 75.8254
1856.0844 75.513	1860.6564 75.6718	1865.2284 75.8307
1856.2368 75.5182	1860.8088 75.6771	1865.3809 75.836
1856.3892 75.5235	1860.9612 75.6824	1865.5332 75.8412
1856.5416 75.5288	1861.1136 75.6877	1865.6855 75.8465
1856.694 75.5341	1861.266 75.693	1865.838 75.8518
1856.8464 75.5394	1861.4185 75.6983	1865.9904 75.8571
1856.9988 75.5447	1861.5708 75.7036	1866.1428 75.8624
1857.1512 75.55	1861.7231 75.7089	1866.2952 75.8677
1857.3036 75.5553	1861.8756 75.7142	1866.4476 75.873
1857.4561 75.5606	1862.028 75.7195	1866.6 75.8783
1857.6084 75.5659	1862.1804 75.7248	1866.7524 75.8836
1857.7607 75.5712	1862.3328 75.73	1866.9048 75.8889
1857.9132 75.5765	1862.4852 75.7354	1867.0573 75.8942
1858.0656 75.5818	1862.6376 75.7406	1867.2096 75.8995
1858.218 75.5871	1862.79 75.7459	1867.3621 75.9048

1867.5144 75.9101	1872.0864 76.0689	1876.6584 76.2278
1867.6667 75.9154	1872.2388 76.0742	1876.8108 76.2331
1867.8192 75.9207	1872.3912 76.0795	1876.9633 76.2384
1867.9716 75.926	1872.5436 76.0848	1877.1156 76.2437
1868.124 75.9313	1872.696 76.0901	1877.2679 76.2489
1868.2764 75.9366	1872.8484 76.0954	1877.4204 76.2542
1868.4288 75.9418	1873.0009 76.1007	1877.5728 76.2595
1868.5812 75.9471	1873.1532 76.106	1877.7252 76.2648
1868.7336 75.9524	1873.3055 76.1113	1877.8776 76.2701
1868.886 75.9577	1873.458 76.1166	1878.03 76.2754
1869.0385 75.963	1873.6104 76.1219	1878.1824 76.2807
1869.1908 75.9683	1873.7628 76.1272	1878.3348 76.286
1869.3431 75.9736	1873.9152 76.1325	1878.4872 76.2913
1869.4956 75.9789	1874.0676 76.1378	1878.6396 76.2966
1869.6479 75.9842	1874.22 76.1431	1878.792 76.3019
1869.8004 75.9895	1874.3724 76.1483	1878.9445 76.3072
1869.9528 75.9948	1874.5248 76.1536	1879.0968 76.3125
1870.1052 76.0001	1874.6772 76.1589	1879.2491 76.3178
1870.2576 76.0054	1874.8296 76.1642	1879.4016 76.3231
1870.41 76.0107	1874.9821 76.1695	1879.554 76.3284
1870.5624 76.016	1875.1344 76.1748	1879.7064 76.3337
1870.7148 76.0213	1875.2867 76.1801	1879.8588 76.339
1870.8672 76.0266	1875.4392 76.1854	1880.0112 76.3443
1871.0197 76.0319	1875.5916 76.1907	1880.1636 76.3496
1871.172 76.0372	1875.744 76.196	1880.316 76.3549
1871.3243 76.0424	1875.8964 76.2013	1880.4684 76.3602
1871.4768 76.0477	1876.0488 76.2066	1880.6208 76.3654
1871.6292 76.053	1876.2012 76.2119	1880.7732 76.3707
1871.7816 76.0583	1876.3536 76.2172	1880.9257 76.376
1871.934 76.0636	1876.506 76.2225	1881.078 76.3813

1881.2303 76.3866	1885.8024 76.5455	1890.3744 76.7043
1881.3828 76.3919	1885.9548 76.5508	1890.5269 76.7096
1881.5352 76.3972	1886.1072 76.5561	1890.6792 76.7149
1881.6876 76.4025	1886.2596 76.5614	1890.8315 76.7202
1881.84 76.4078	1886.412 76.5667	1890.984 76.7255
1881.9924 76.4131	1886.5645 76.572	1891.1364 76.7308
1882.1448 76.4184	1886.7168 76.5772	1891.2888 76.7361
1882.2972 76.4237	1886.8691 76.5825	1891.4412 76.7414
1882.4496 76.429	1887.0216 76.5878	1891.5936 76.7467
1882.6021 76.4343	1887.174 76.5931	1891.746 76.752
1882.7544 76.4396	1887.3264 76.5984	1891.8984 76.7573
1882.9069 76.4449	1887.4788 76.6037	1892.0508 76.7626
1883.0592 76.4502	1887.6312 76.609	1892.2032 76.7679
1883.2115 76.4555	1887.7836 76.6143	1892.3556 76.7732
1883.364 76.4608	1887.936 76.6196	1892.5081 76.7785
1883.5164 76.466	1888.0884 76.6249	1892.6604 76.7837
1883.6688 76.4713	1888.2408 76.6302	1892.8127 76.789
1883.8212 76.4766	1888.3932 76.6355	1892.9652 76.7943
1883.9736 76.4819	1888.5457 76.6408	1893.1176 76.7996
1884.126 76.4872	1888.698 76.6461	1893.27 76.8049
1884.2784 76.4925	1888.8503 76.6514	1893.4224 76.8102
1884.4308 76.4978	1889.0028 76.6567	1893.5748 76.8155
1884.5833 76.5031	1889.1552 76.662	1893.7272 76.8208
1884.7356 76.5084	1889.3076 76.6673	1893.8796 76.8261
1884.8879 76.5137	1889.46 76.6725	1894.032 76.8314
1885.0404 76.519	1889.6124 76.6778	1894.1844 76.8367
1885.1927 76.5243	1889.7648 76.6831	1894.3368 76.842
1885.3452 76.5296	1889.9172 76.6884	1894.4893 76.8473
1885.4976 76.5349	1890.0696 76.6937	1894.6416 76.8526
1885.65 76.5402	1890.222 76.699	1894.7939 76.8579

1894.9464 76.8632	1899.5184 77.022	1904.0905 77.1809
1895.0988 76.8685	1899.6708 77.0273	1904.2428 77.1862
1895.2512 76.8738	1899.8232 77.0326	1904.3951 77.1915
1895.4036 76.8791	1899.9756 77.0379	1904.5476 77.1968
1895.556 76.8844	1900.1281 77.0432	1904.7 77.202
1895.7084 76.8896	1900.2804 77.0485	1904.8524 77.2074
1895.8608 76.8949	1900.4327 77.0538	1905.0048 77.2126
1896.0132 76.9002	1900.5852 77.0591	1905.1572 77.2179
1896.1656 76.9055	1900.7375 77.0644	1905.3096 77.2232
1896.318 76.9108	1900.89 77.0697	1905.462 77.2285
1896.4705 76.9161	1901.0424 77.075	1905.6144 77.2338
1896.6228 76.9214	1901.1948 77.0803	1905.7668 77.2391
1896.7751 76.9267	1901.3472 77.0856	1905.9192 77.2444
1896.9276 76.932	1901.4996 77.0909	1906.0717 77.2497
1897.08 76.9373	1901.652 77.0961	1906.224 77.255
1897.2324 76.9426	1901.8044 77.1014	1906.3763 77.2603
1897.3848 76.9479	1901.9568 77.1067	1906.5288 77.2656
1897.5372 76.9532	1902.1093 77.112	1906.6812 77.2709
1897.6896 76.9585	1902.2616 77.1173	1906.8336 77.2762
1897.842 76.9638	1902.4139 77.1226	1906.986 77.2815
1897.9944 76.9691	1902.5664 77.1279	1907.1384 77.2868
1898.1469 76.9744	1902.7188 77.1332	1907.2908 77.2921
1898.2992 76.9797	1902.8712 77.1385	1907.4432 77.2974
1898.4517 76.985	1903.0236 77.1438	1907.5956 77.3027
1898.604 76.9902	1903.176 77.1491	1907.748 77.308
1898.7563 76.9955	1903.3284 77.1544	1907.9004 77.3132
1898.9088 77.0008	1903.4808 77.1597	1908.0529 77.3185
1899.0612 77.0061	1903.6332 77.165	1908.2052 77.3238
1899.2136 77.0114	1903.7856 77.1703	1908.3575 77.3291
1899.366 77.0167	1903.938 77.1756	1908.51 77.3344

1908.6624 77.3397	1913.2344 77.4986	1917.8064 77.6574
1908.8148 77.345	1913.3868 77.5039	1917.9587 77.6627
1908.9672 77.3503	1913.5392 77.5092	1918.1112 77.668
1909.1196 77.3556	1913.6917 77.5145	1918.2635 77.6733
1909.272 77.3609	1913.844 77.5197	1918.416 77.6786
1909.4244 77.3662	1913.9965 77.525	1918.5684 77.6839
1909.5768 77.3715	1914.1488 77.5303	1918.7208 77.6892
1909.7292 77.3768	1914.3011 77.5356	1918.8732 77.6945
1909.8816 77.3821	1914.4536 77.5409	1919.0256 77.6998
1910.0341 77.3874	1914.606 77.5462	1919.178 77.7051
1910.1864 77.3927	1914.7584 77.5515	1919.3304 77.7104
1910.3387 77.398	1914.9108 77.5568	1919.4828 77.7157
1910.4912 77.4033	1915.0632 77.5621	1919.6353 77.721
1910.6436 77.4086	1915.2156 77.5674	1919.7876 77.7262
1910.796 77.4138	1915.368 77.5727	1919.9399 77.7315
1910.9484 77.4191	1915.5204 77.578	1920.0924 77.7368
1911.1008 77.4244	1915.6729 77.5833	1920.2448 77.7421
1911.2532 77.4297	1915.8252 77.5886	1920.3972 77.7474
1911.4056 77.435	1915.9775 77.5939	1920.5496 77.7527
1911.558 77.4403	1916.13 77.5992	1920.702 77.758
1911.7104 77.4456	1916.2823 77.6045	1920.8544 77.7633
1911.8628 77.4509	1916.4348 77.6098	1921.0068 77.7686
1912.0153 77.4562	1916.5872 77.6151	1921.1592 77.7739
1912.1676 77.4615	1916.7396 77.6203	1921.3116 77.7792
1912.3199 77.4668	1916.892 77.6256	1921.464 77.7845
1912.4724 77.4721	1917.0444 77.6309	1921.6165 77.7898
1912.6248 77.4774	1917.1968 77.6362	1921.7688 77.7951
1912.7772 77.4827	1917.3492 77.6415	1921.9211 77.8004
1912.9296 77.488	1917.5016 77.6468	1922.0736 77.8057
1913.082 77.4933	1917.6541 77.6521	1922.226 77.811

1922.3784 77.8163	1926.9504 77.9751	1931.5225 78.134
1922.5308 77.8216	1927.1028 77.9804	1931.6748 78.1393
1922.6832 77.8269	1927.2552 77.9857	1931.8271 78.1445
1922.8356 77.8322	1927.4076 77.991	1931.9796 78.1498
1922.988 77.8374	1927.5601 77.9963	1932.132 78.1551
1923.1404 77.8427	1927.7124 78.0016	1932.2844 78.1604
1923.2928 77.848	1927.8647 78.0069	1932.4368 78.1657
1923.4452 77.8533	1928.0172 78.0122	1932.5892 78.171
1923.5977 77.8586	1928.1696 78.0175	1932.7416 78.1763
1923.75 77.8639	1928.322 78.0228	1932.894 78.1816
1923.9023 77.8692	1928.4744 78.0281	1933.0464 78.1869
1924.0548 77.8745	1928.6268 78.0334	1933.1989 78.1922
1924.2072 77.8798	1928.7792 78.0387	1933.3512 78.1975
1924.3596 77.8851	1928.9316 78.044	1933.5035 78.2028
1924.512 77.8904	1929.084 78.0492	1933.656 78.2081
1924.6644 77.8957	1929.2365 78.0545	1933.8083 78.2134
1924.8168 77.901	1929.3888 78.0598	1933.9608 78.2187
1924.9692 77.9063	1929.5413 78.0651	1934.1132 78.224
1925.1216 77.9116	1929.6936 78.0704	1934.2656 78.2293
1925.274 77.9169	1929.8459 78.0757	1934.418 78.2346
1925.4264 77.9222	1929.9984 78.081	1934.5704 78.2399
1925.5789 77.9275	1930.1508 78.0863	1934.7228 78.2452
1925.7312 77.9328	1930.3032 78.0916	1934.8752 78.2505
1925.8835 77.938	1930.4556 78.0969	1935.0276 78.2557
1926.036 77.9433	1930.608 78.1022	1935.1801 78.261
1926.1884 77.9486	1930.7604 78.1075	1935.3324 78.2663
1926.3408 77.9539	1930.9128 78.1128	1935.4847 78.2716
1926.4932 77.9592	1931.0652 78.1181	1935.6372 78.2769
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1926.798 77.9698	1931.37 78.1287	1935.942 78.2875

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1936.2468 78.2981	1940.8188 78.457	1945.3907 78.6158
1936.3992 78.3034	1940.9712 78.4622	1945.5432 78.6211
1936.5516 78.3087	1941.1237 78.4675	1945.6956 78.6264
1936.704 78.314	1941.276 78.4728	1945.848 78.6317
1936.8564 78.3193	1941.4283 78.4781	1946.0004 78.637
1937.0088 78.3246	1941.5808 78.4834	1946.1528 78.6423
1937.1613 78.3299	1941.7332 78.4887	1946.3052 78.6476
1937.3136 78.3352	1941.8856 78.494	1946.4576 78.6529
1937.4659 78.3405	1942.038 78.4993	1946.61 78.6582
1937.6184 78.3458	1942.1904 78.5046	1946.7625 78.6635
1937.7708 78.3511	1942.3428 78.5099	1946.9148 78.6688
1937.9232 78.3564	1942.4952 78.5152	1947.0673 78.6741
1938.0756 78.3616	1942.6476 78.5205	1947.2196 78.6794
1938.228 78.3669	1942.8 78.5258	1947.3719 78.6846
1938.3804 78.3722	1942.9524 78.5311	1947.5244 78.6899
1938.5328 78.3775	1943.1049 78.5364	1947.6768 78.6952
1938.6852 78.3828	1943.2572 78.5417	1947.8292 78.7005
1938.8376 78.3881	1943.4095 78.547	1947.9816 78.7058
1938.99 78.3934	1943.562 78.5523	1948.134 78.7111
1939.1425 78.3987	1943.7144 78.5576	1948.2864 78.7164
1939.2948 78.404	1943.8668 78.5629	1948.4388 78.7217
1939.4471 78.4093	1944.0192 78.5681	1948.5912 78.727
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1939.752 78.4199	1944.324 78.5787	1948.896 78.7376
1939.9044 78.4252	1944.4764 78.584	1949.0483 78.7429
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1940.2092 78.4358	1944.7813 78.5946	1949.3531 78.7535
1940.3616 78.4411	1944.9336 78.5999	1949.5056 78.7588
1940.514 78.4464	1945.0861 78.6052	1949.658 78.7641

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1950.42 78.7905	1954.9919 78.9494	1959.564 79.1082
1950.5724 78.7958	1955.1444 78.9547	1959.7164 79.1135
1950.7249 78.8011	1955.2968 78.96	1959.8688 79.1188
1950.8772 78.8064	1955.4492 78.9653	1960.0212 79.1241
1951.0295 78.8117	1955.6016 78.9706	1960.1736 79.1294
1951.182 78.817	1955.754 78.9759	1960.326 79.1347
1951.3344 78.8223	1955.9064 78.9812	1960.4784 79.14
1951.4868 78.8276	1956.0588 78.9865	1960.6309 79.1453
1951.6392 78.8329	1956.2112 78.9917	1960.7832 79.1506
1951.7916 78.8382	1956.3636 78.997	1960.9355 79.1559
1951.944 78.8435	1956.516 79.0023	1961.088 79.1612
1952.0964 78.8488	1956.6685 79.0076	1961.2404 79.1665
1952.2488 78.8541	1956.8208 79.0129	1961.3928 79.1718
1952.4012 78.8594	1956.9731 79.0182	1961.5452 79.1771
1952.5536 78.8647	1957.1256 79.0235	1961.6976 79.1824
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1953.0107 78.8806	1957.5828 79.0394	1962.1548 79.1982
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1953.468 78.8964	1958.04 79.0553	1962.6121 79.2141
1953.6204 78.9017	1958.1924 79.0606	1962.7644 79.2194
1953.7728 78.907	1958.3448 79.0659	1962.9167 79.2247
1953.9252 78.9123	1958.4972 79.0712	1963.0692 79.23
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1963.5264 79.2459	1968.0984 79.4048	1972.6704 79.5636
1963.6788 79.2512	1968.2509 79.41	1972.8228 79.5689
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1963.9836 79.2618	1968.5555 79.4206	1973.1276 79.5795
1964.136 79.2671	1968.708 79.4259	1973.28 79.5848
1964.2885 79.2724	1968.8604 79.4312	1973.4324 79.5901
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1966.422 79.3465	1970.994 79.5054	1975.566 79.6642
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1966.7268 79.3571	1971.2988 79.516	1975.8708 79.6748
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1967.4888 79.3836	1972.0608 79.5424	1976.6328 79.7013
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2074.1687 83.09	2078.7407 83.2489	2083.3127 83.4077
2074.3213 83.0954	2078.8933 83.2542	2083.4651 83.413
2074.4736 83.1006	2079.0457 83.2595	2083.6177 83.4183
2074.626 83.1059	2079.198 83.2648	2083.77 83.4236
2074.7783 83.1112	2079.3503 83.2701	2083.9224 83.4289
2074.9309 83.1165	2079.5027 83.2754	2084.0747 83.4342
2075.0833 83.1218	2079.6553 83.2807	2084.2273 83.4395
2075.2356 83.1271	2079.8076 83.286	2084.3796 83.4448
2075.3879 83.1324	2079.96 83.2913	2084.532 83.4501
2075.5403 83.1377	2080.1123 83.2966	2084.6843 83.4554
2075.6929 83.143	2080.2649 83.3018	2084.8369 83.4607
2075.8452 83.1483	2080.4172 83.3071	2084.9893 83.466
2075.9976 83.1536	2080.5696 83.3124	2085.1416 83.4713
2076.1499 83.1589	2080.7219 83.3177	2085.2939 83.4766
2076.3025 83.1642	2080.8745 83.323	2085.4463 83.4819
2076.4548 83.1695	2081.0269 83.3283	2085.5989 83.4872
2076.6072 83.1748	2081.1792 83.3336	2085.7512 83.4925
2076.7595 83.1801	2081.3315 83.3389	2085.9036 83.4978
2076.9121 83.1854	2081.4839 83.3442	2086.0559 83.5031
2077.0645 83.1907	2081.6365 83.3495	2086.2085 83.5084
2077.2168 83.196	2081.7888 83.3548	2086.3608 83.5137
2077.3691 83.2012	2081.9412 83.3601	2086.5132 83.5189
2077.5215 83.2065	2082.0935 83.3654	2086.6655 83.5242
2077.6741 83.2118	2082.2461 83.3707	2086.8181 83.5295

2086.9705 83.5348	2091.5425 83.6937	2096.1145 83.8525
2087.1228 83.5401	2091.6948 83.699	2096.2668 83.8578
2087.2751 83.5454	2091.8472 83.7043	2096.4192 83.8631
2087.4275 83.5507	2091.9995 83.7096	2096.5715 83.8684
2087.5801 83.556	2092.1521 83.7149	2096.7241 83.8737
2087.7324 83.5613	2092.3044 83.7202	2096.8765 83.879
2087.8848 83.5666	2092.4568 83.7254	2097.0288 83.8843
2088.0371 83.5719	2092.6091 83.7307	2097.1812 83.8896
2088.1897 83.5772	2092.7617 83.736	2097.3335 83.8949
2088.342 83.5825	2092.9141 83.7413	2097.4861 83.9002
2088.4944 83.5878	2093.0664 83.7466	2097.6384 83.9055
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2088.7993 83.5984	2093.3711 83.7572	2097.9431 83.9161
2088.9517 83.6037	2093.5237 83.7625	2098.0957 83.9214
2089.104 83.609	2093.676 83.7678	2098.248 83.9267
2089.2563 83.6143	2093.8284 83.7731	2098.4004 83.932
2089.4087 83.6195	2093.9807 83.7784	2098.5527 83.9372
2089.5613 83.6248	2094.1333 83.7837	2098.7051 83.9425
2089.7136 83.6301	2094.2856 83.789	2098.8577 83.9478
2089.866 83.6354	2094.438 83.7943	2099.01 83.9531
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2090.1709 83.646	2094.7429 83.8049	2099.3147 83.9637
2090.3232 83.6513	2094.8953 83.8102	2099.4673 83.969
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2090.6279 83.6619	2095.2 83.8208	2099.772 83.9796
2090.7805 83.6672	2095.3523 83.826	2099.9243 83.9849
2090.9329 83.6725	2095.5049 83.8314	2100.0769 83.9902
2091.0852 83.6778	2095.6572 83.8366	2100.2292 83.9955
2091.2375 83.6831	2095.8096 83.8419	2100.3816 84.0008
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2100.6863 84.0114	2105.2583 84.1702	2109.8303 84.3291
2100.8389 84.0167	2105.4109 84.1755	2109.9829 84.3344
2100.9912 84.022	2105.5632 84.1808	2110.1353 84.3397
2101.1436 84.0273	2105.7156 84.1861	2110.2876 84.345
2101.2959 84.0325	2105.8679 84.1914	2110.4399 84.3503
2101.4485 84.0379	2106.0205 84.1967	2110.5923 84.3555
2101.6008 84.0432	2106.1729 84.202	2110.7449 84.3608
2101.7532 84.0484	2106.3252 84.2073	2110.8972 84.3661
2101.9055 84.0537	2106.4775 84.2126	2111.0496 84.3714
2102.0581 84.059	2106.6299 84.2179	2111.2019 84.3767
2102.2104 84.0643	2106.7825 84.2232	2111.3545 84.382
2102.3628 84.0696	2106.9348 84.2285	2111.5068 84.3873
2102.5151 84.0749	2107.0872 84.2338	2111.6592 84.3926
2102.6675 84.0802	2107.2395 84.2391	2111.8115 84.3979
2102.8201 84.0855	2107.3921 84.2444	2111.9641 84.4032
2102.9724 84.0908	2107.5444 84.2496	2112.1165 84.4085
2103.1248 84.0961	2107.6968 84.2549	2112.2688 84.4138
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2103.4297 84.1067	2108.0017 84.2655	2112.5735 84.4244
2103.582 84.112	2108.1541 84.2708	2112.7261 84.4297
2103.7344 84.1173	2108.3064 84.2761	2112.8784 84.435
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2104.1917 84.1332	2108.7637 84.292	2113.3357 84.4509
2104.344 84.1385	2108.916 84.2973	2113.488 84.4562
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2104.8013 84.1543	2109.3733 84.3132	2113.9453 84.472
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2114.8596 84.5038	2119.4316 84.6627	2124.0037 84.8215
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2115.3169 84.5197	2119.8889 84.6785	2124.4607 84.8374
2115.4692 84.525	2120.0413 84.6838	2124.6133 84.8427
2115.6216 84.5303	2120.1936 84.6891	2124.7656 84.848
2115.7739 84.5356	2120.3459 84.6944	2124.918 84.8533
2115.9265 84.5409	2120.4983 84.6997	2125.0703 84.8586
2116.0789 84.5462	2120.6509 84.705	2125.2229 84.8639
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2116.5359 84.562	2121.1079 84.7209	2125.6799 84.8797
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2116.8408 84.5726	2121.4128 84.7315	2125.9849 84.8903
2116.9932 84.5779	2121.5652 84.7368	2126.1372 84.8956
2117.1455 84.5832	2121.7175 84.7421	2126.2896 84.9009
2117.2981 84.5885	2121.8701 84.7474	2126.4419 84.9062
2117.4504 84.5938	2122.0225 84.7527	2126.5945 84.9115
2117.6028 84.5991	2122.1748 84.758	2126.7468 84.9168
2117.7551 84.6044	2122.3271 84.7633	2126.8992 84.9221
2117.9077 84.6097	2122.4795 84.7686	2127.0515 84.9274
2118.0601 84.615	2122.6321 84.7738	2127.2041 84.9327
2118.2124 84.6203	2122.7844 84.7791	2127.3564 84.938
2118.3647 84.6256	2122.9368 84.7844	2127.5088 84.9433
2118.5171 84.6309	2123.0891 84.7897	2127.6611 84.9486
2118.6697 84.6362	2123.2417 84.795	2127.8137 84.9539
2118.822 84.6415	2123.394 84.8003	2127.9661 84.9592

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2128.2708 84.9698	2132.8428 85.1286	2137.4148 85.2875
2128.4231 84.9751	2132.9951 85.1339	2137.5671 85.2928
2128.5757 84.9804	2133.1477 85.1392	2137.7195 85.298
2128.728 84.9856	2133.3 85.1445	2137.8721 85.3033
2128.8804 84.9909	2133.4524 85.1498	2138.0244 85.3086
2129.0327 84.9962	2133.6047 85.1551	2138.1768 85.3139
2129.1853 85.0015	2133.7571 85.1604	2138.3291 85.3192
2129.3376 85.0068	2133.9097 85.1657	2138.4817 85.3245
2129.49 85.0121	2134.062 85.171	2138.634 85.3298
2129.6423 85.0174	2134.2144 85.1763	2138.7864 85.3351
2129.7949 85.0227	2134.3667 85.1816	2138.9387 85.3404
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2130.4043 85.0439	2134.9763 85.2027	2139.5483 85.3616
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2130.7092 85.0545	2135.2813 85.2133	2139.8533 85.3722
2130.8616 85.0598	2135.4336 85.2186	2140.0056 85.3775
2131.0139 85.0651	2135.5859 85.2239	2140.158 85.3828
2131.1665 85.0704	2135.7383 85.2292	2140.3103 85.3881
2131.3188 85.0757	2135.8909 85.2345	2140.4629 85.3934
2131.4712 85.081	2136.0432 85.2398	2140.6152 85.3987
2131.6235 85.0863	2136.1956 85.2451	2140.7676 85.404
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2142.9011 85.4781	2147.4731 85.6369	2152.0452 85.7958
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2143.8157 85.5099	2148.3877 85.6687	2152.9597 85.8276
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2157.5315 85.9864	2162.1035 86.1452	2166.6755 86.3041
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2158.446 86.0182	2163.0181 86.177	2167.5901 86.3359
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2158.7507 86.0288	2163.3228 86.1876	2167.8948 86.3465
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2159.208 86.0446	2163.78 86.2035	2168.3521 86.3623
2159.3604 86.0499	2163.9324 86.2088	2168.5044 86.3676
2159.5127 86.0552	2164.0847 86.2141	2168.6567 86.3729
2159.6653 86.0605	2164.2373 86.2194	2168.8091 86.3782
2159.8176 86.0658	2164.3896 86.2247	2168.9617 86.3835
2159.97 86.0711	2164.542 86.23	2169.114 86.3888

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2169.4187 86.3994	2173.9907 86.5583	2178.5627 86.7171
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2169.876 86.4153	2174.448 86.5741	2179.02 86.733
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2172.1621 86.4947	2176.7339 86.6536	2181.3059 86.8124
2172.3145 86.5	2176.8865 86.6589	2181.4585 86.8177
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2310.6936 91.3078	2315.2656 91.4667	2319.8376 91.6255
2310.8459 91.3131	2315.418 91.472	2319.99 91.6308

2320.1423 91.6361	2324.7144 91.795	2329.2864 91.9538
2320.2949 91.6414	2324.8667 91.8003	2329.4387 91.9591
2320.4473 91.6467	2325.0193 91.8056	2329.5913 91.9644
2320.5996 91.652	2325.1716 91.8109	2329.7437 91.9697
2320.752 91.6573	2325.324 91.8162	2329.896 91.975
2320.9043 91.6626	2325.4763 91.8214	2330.0483 91.9803
2321.0569 91.6679	2325.6289 91.8268	2330.2007 91.9856
2321.2092 91.6732	2325.7813 91.832	2330.3533 91.9909
2321.3616 91.6785	2325.9336 91.8373	2330.5056 91.9962
2321.5139 91.6838	2326.0859 91.8426	2330.658 92.0015
2321.6665 91.6891	2326.2383 91.8479	2330.8103 92.0068
2321.8188 91.6944	2326.3909 91.8532	2330.9629 92.0121
2321.9712 91.6997	2326.5432 91.8585	2331.1152 92.0174
2322.1235 91.705	2326.6956 91.8638	2331.2676 92.0227
2322.2759 91.7103	2326.8479 91.8691	2331.4199 92.028
2322.4285 91.7156	2327.0005 91.8744	2331.5725 92.0333
2322.5808 91.7208	2327.1528 91.8797	2331.7249 92.0385
2322.7332 91.7261	2327.3052 91.885	2331.8772 92.0438
2322.8855 91.7314	2327.4575 91.8903	2332.0295 92.0491
2323.0381 91.7367	2327.6101 91.8956	2332.1819 92.0544
2323.1904 91.742	2327.7625 91.9009	2332.3345 92.0597
2323.3428 91.7473	2327.9148 91.9062	2332.4868 92.065
2323.4951 91.7526	2328.0671 91.9115	2332.6392 92.0703
2323.6477 91.7579	2328.2195 91.9168	2332.7915 92.0756
2323.8 91.7632	2328.3721 91.9221	2332.9441 92.0809
2323.9524 91.7685	2328.5244 91.9274	2333.0964 92.0862
2324.1047 91.7738	2328.6768 91.9326	2333.2488 92.0915
2324.2571 91.7791	2328.8291 91.9379	2333.4011 92.0968
2324.4097 91.7844	2328.9817 91.9432	2333.5537 92.1021
2324.562 91.7897	2329.134 91.9485	2333.7061 92.1074

2333.8584 92.1127	2338.4304 92.2715	2343.0024 92.4304
2334.0107 92.118	2338.5828 92.2768	2343.1548 92.4357
2334.1631 92.1233	2338.7351 92.2821	2343.3071 92.441
2334.3157 92.1286	2338.8877 92.2874	2343.4597 92.4463
2334.468 92.1339	2339.04 92.2927	2343.6121 92.4516
2334.6204 92.1392	2339.1924 92.298	2343.7644 92.4568
2334.7727 92.1444	2339.3447 92.3033	2343.9167 92.4621
2334.9253 92.1497	2339.4973 92.3086	2344.0691 92.4674
2335.0776 92.155	2339.6497 92.3139	2344.2217 92.4727
2335.23 92.1603	2339.802 92.3192	2344.374 92.478
2335.3823 92.1656	2339.9543 92.3245	2344.5264 92.4833
2335.5349 92.1709	2340.1067 92.3298	2344.6787 92.4886
2335.6873 92.1762	2340.2593 92.3351	2344.8313 92.4939
2335.8396 92.1815	2340.4116 92.3404	2344.9836 92.4992
2335.9919 92.1868	2340.564 92.3456	2345.136 92.5045
2336.1443 92.1921	2340.7163 92.3509	2345.2883 92.5098
2336.2969 92.1974	2340.8689 92.3562	2345.4409 92.5151
2336.4492 92.2027	2341.0212 92.3615	2345.5933 92.5204
2336.6016 92.208	2341.1736 92.3668	2345.7456 92.5257
2336.7539 92.2133	2341.3259 92.3721	2345.8979 92.531
2336.9065 92.2186	2341.4785 92.3774	2346.0503 92.5363
2337.0588 92.2239	2341.6309 92.3827	2346.2029 92.5416
2337.2112 92.2292	2341.7832 92.388	2346.3552 92.5469
2337.3635 92.2345	2341.9355 92.3933	2346.5076 92.5522
2337.5161 92.2398	2342.0879 92.3986	2346.6599 92.5574
2337.6685 92.245	2342.2405 92.4039	2346.8125 92.5628
2337.8208 92.2503	2342.3928 92.4092	2346.9648 92.568
2337.9731 92.2556	2342.5452 92.4145	2347.1172 92.5733
2338.1255 92.2609	2342.6975 92.4198	2347.2695 92.5786
2338.2781 92.2662	2342.8501 92.4251	2347.4221 92.5839

2347.5745 92.5892	2352.1465 92.7481	2356.7185 92.9069
2347.7268 92.5945	2352.2988 92.7534	2356.8708 92.9122
2347.8792 92.5998	2352.4512 92.7587	2357.0232 92.9175
2348.0315 92.6051	2352.6035 92.764	2357.1755 92.9228
2348.1841 92.6104	2352.7561 92.7692	2357.3279 92.9281
2348.3364 92.6157	2352.9084 92.7746	2357.4805 92.9334
2348.4888 92.621	2353.0608 92.7798	2357.6328 92.9387
2348.6411 92.6263	2353.2131 92.7851	2357.7852 92.944
2348.7937 92.6316	2353.3655 92.7904	2357.9375 92.9493
2348.946 92.6369	2353.5181 92.7957	2358.0901 92.9546
2349.0984 92.6422	2353.6704 92.801	2358.2424 92.9599
2349.2507 92.6475	2353.8228 92.8063	2358.3948 92.9652
2349.4033 92.6528	2353.9751 92.8116	2358.5471 92.9705
2349.5557 92.6581	2354.1277 92.8169	2358.6997 92.9758
2349.708 92.6633	2354.28 92.8222	2358.8521 92.981
2349.8604 92.6686	2354.4324 92.8275	2359.0044 92.9863
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2350.1653 92.6792	2354.7373 92.8381	2359.3091 92.9969
2350.3176 92.6845	2354.8896 92.8434	2359.4617 93.0022
2350.47 92.6898	2355.042 92.8487	2359.614 93.0075
2350.6223 92.6951	2355.1943 92.854	2359.7664 93.0128
2350.7749 92.7004	2355.3467 92.8593	2359.9187 93.0181
2350.9272 92.7057	2355.4993 92.8646	2360.0713 93.0234
2351.0796 92.711	2355.6516 92.8699	2360.2236 93.0287
2351.2319 92.7163	2355.804 92.8751	2360.376 93.034
2351.3845 92.7216	2355.9563 92.8804	2360.5283 93.0393
2351.5369 92.7269	2356.1089 92.8857	2360.6809 93.0446
2351.6892 92.7322	2356.2612 92.891	2360.8333 93.0499
2351.8416 92.7375	2356.4136 92.8963	2360.9856 93.0552
2351.9939 92.7428	2356.5659 92.9016	2361.1379 93.0605

2361.2903 93.0658	2365.8623 93.2246	2370.4343 93.3835
2361.4429 93.0711	2366.0149 93.2299	2370.5869 93.3888
2361.5952 93.0764	2366.1672 93.2352	2370.7393 93.3941
2361.7476 93.0817	2366.3196 93.2405	2370.8916 93.3994
2361.8999 93.0869	2366.4719 93.2458	2371.0439 93.4046
2362.0525 93.0922	2366.6245 93.2511	2371.1963 93.4099
2362.2048 93.0975	2366.7769 93.2564	2371.3489 93.4152
2362.3572 93.1028	2366.9292 93.2617	2371.5012 93.4205
2362.5095 93.1081	2367.0815 93.267	2371.6536 93.4258
2362.6621 93.1134	2367.2339 93.2723	2371.8059 93.4311
2362.8145 93.1187	2367.3865 93.2776	2371.9585 93.4364
2362.9668 93.124	2367.5388 93.2829	2372.1108 93.4417
2363.1191 93.1293	2367.6912 93.2882	2372.2632 93.447
2363.2715 93.1346	2367.8435 93.2934	2372.4155 93.4523
2363.4241 93.1399	2367.9961 93.2987	2372.5681 93.4576
2363.5764 93.1452	2368.1484 93.304	2372.7205 93.4629
2363.7288 93.1505	2368.3008 93.3093	2372.8728 93.4682
2363.8811 93.1558	2368.4531 93.3146	2373.0251 93.4735
2364.0337 93.1611	2368.6057 93.3199	2373.1775 93.4788
2364.186 93.1664	2368.7581 93.3252	2373.3301 93.4841
2364.3384 93.1717	2368.9104 93.3305	2373.4824 93.4894
2364.4907 93.177	2369.0627 93.3358	2373.6348 93.4947
2364.6433 93.1823	2369.2151 93.3411	2373.7871 93.5
2364.7957 93.1876	2369.3677 93.3464	2373.9397 93.5053
2364.948 93.1928	2369.52 93.3517	2374.092 93.5105
2365.1003 93.1981	2369.6724 93.357	2374.2444 93.5158
2365.2527 93.2034	2369.8247 93.3623	2374.3967 93.5211
2365.4053 93.2087	2369.9773 93.3676	2374.5493 93.5264
2365.5576 93.214	2370.1296 93.3729	2374.7017 93.5317
2365.71 93.2193	2370.282 93.3782	2374.854 93.537

2375.0063 93.5423	2379.5784 93.7012	2384.1504 93.86
2375.1587 93.5476	2379.7307 93.7065	2384.3027 93.8653
2375.3113 93.5529	2379.8833 93.7118	2384.4551 93.8706
2375.4636 93.5582	2380.0356 93.717	2384.6077 93.8759
2375.616 93.5635	2380.188 93.7223	2384.76 93.8812
2375.7683 93.5688	2380.3403 93.7276	2384.9124 93.8865
2375.9209 93.5741	2380.4929 93.7329	2385.0647 93.8918
2376.0732 93.5794	2380.6453 93.7382	2385.2173 93.8971
2376.2256 93.5847	2380.7976 93.7435	2385.3696 93.9024
2376.3779 93.59	2380.95 93.7488	2385.522 93.9077
2376.5305 93.5953	2381.1023 93.7541	2385.6743 93.913
2376.6829 93.6006	2381.2549 93.7594	2385.8269 93.9183
2376.8352 93.6059	2381.4072 93.7647	2385.9792 93.9236
2376.9875 93.6112	2381.5596 93.77	2386.1316 93.9288
2377.1399 93.6164	2381.7119 93.7753	2386.2839 93.9341
2377.2925 93.6217	2381.8645 93.7806	2386.4363 93.9394
2377.4448 93.627	2382.0168 93.7859	2386.5889 93.9447
2377.5972 93.6323	2382.1692 93.7912	2386.7412 93.95
2377.7495 93.6376	2382.3215 93.7965	2386.8936 93.9553
2377.9021 93.6429	2382.4741 93.8018	2387.0459 93.9606
2378.0544 93.6482	2382.6265 93.8071	2387.1985 93.9659
2378.2068 93.6535	2382.7788 93.8124	2387.3508 93.9712
2378.3591 93.6588	2382.9312 93.8176	2387.5032 93.9765
2378.5117 93.6641	2383.0835 93.8229	2387.6555 93.9818
2378.6641 93.6694	2383.2361 93.8282	2387.8081 93.9871
2378.8164 93.6747	2383.3884 93.8335	2387.9604 93.9924
2378.9688 93.68	2383.5408 93.8388	2388.1128 93.9977
2379.1211 93.6853	2383.6931 93.8441	2388.2651 94.003
2379.2737 93.6906	2383.8457 93.8494	2388.4175 94.0083
2379.426 93.6959	2383.998 93.8547	2388.5701 94.0136

2388.7224 94.0189	2393.2944 94.1777	2397.8665 94.3366
2388.8748 94.0242	2393.4468 94.183	2398.0188 94.3419
2389.0271 94.0294	2393.5991 94.1883	2398.1711 94.3471
2389.1797 94.0348	2393.7517 94.1936	2398.3235 94.3524
2389.332 94.04	2393.9041 94.1989	2398.4761 94.3577
2389.4844 94.0453	2394.0564 94.2042	2398.6284 94.363
2389.6367 94.0506	2394.2087 94.2095	2398.7808 94.3683
2389.7893 94.0559	2394.3611 94.2148	2398.9331 94.3736
2389.9417 94.0612	2394.5137 94.2201	2399.0857 94.3789
2390.094 94.0665	2394.666 94.2254	2399.238 94.3842
2390.2463 94.0718	2394.8184 94.2307	2399.3904 94.3895
2390.3987 94.0771	2394.9707 94.236	2399.5427 94.3948
2390.5513 94.0824	2395.1233 94.2412	2399.6953 94.4001
2390.7036 94.0877	2395.2756 94.2466	2399.8477 94.4054
2390.856 94.093	2395.428 94.2518	2400 94.4107
2391.0083 94.0983	2395.5803 94.2571	2400.1523 94.416
2391.1609 94.1036	2395.7329 94.2624	2400.3047 94.4213
2391.3132 94.1089	2395.8853 94.2677	2400.4573 94.4266
2391.4656 94.1142	2396.0376 94.273	2400.6096 94.4319
2391.6179 94.1195	2396.1899 94.2783	2400.762 94.4372
2391.7705 94.1248	2396.3423 94.2836	2400.9143 94.4425
2391.9229 94.1301	2396.4949 94.2889	2401.0669 94.4478
2392.0752 94.1354	2396.6472 94.2942	2401.2192 94.453
2392.2275 94.1406	2396.7996 94.2995	2401.3716 94.4583
2392.3799 94.1459	2396.9519 94.3048	2401.5239 94.4636
2392.5325 94.1512	2397.1045 94.3101	2401.6765 94.4689
2392.6848 94.1565	2397.2568 94.3154	2401.8289 94.4742
2392.8372 94.1618	2397.4092 94.3207	2401.9812 94.4795
2392.9895 94.1671	2397.5615 94.326	2402.1335 94.4848
2393.1421 94.1724	2397.7141 94.3313	2402.2859 94.4901

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2402.5908 94.5007	2407.1628 94.6596	2411.7349 94.8184
2402.7432 94.506	2407.3152 94.6648	2411.8872 94.8237
2402.8955 94.5113	2407.4675 94.6701	2412.0396 94.829
2403.0481 94.5166	2407.6201 94.6754	2412.1919 94.8343
2403.2004 94.5219	2407.7725 94.6807	2412.3445 94.8396
2403.3528 94.5272	2407.9248 94.686	2412.4968 94.8449
2403.5051 94.5325	2408.0771 94.6913	2412.6492 94.8502
2403.6577 94.5378	2408.2295 94.6966	2412.8015 94.8555
2403.8101 94.5431	2408.3821 94.7019	2412.9541 94.8608
2403.9624 94.5484	2408.5344 94.7072	2413.1064 94.8661
2404.1147 94.5537	2408.6868 94.7125	2413.2588 94.8714
2404.2671 94.5589	2408.8391 94.7178	2413.4111 94.8766
2404.4197 94.5642	2408.9917 94.7231	2413.5637 94.8819
2404.572 94.5695	2409.144 94.7284	2413.7161 94.8872
2404.7244 94.5748	2409.2964 94.7337	2413.8684 94.8925
2404.8767 94.5801	2409.4487 94.739	2414.0208 94.8978
2405.0293 94.5854	2409.6013 94.7443	2414.1731 94.9031
2405.1816 94.5907	2409.7537 94.7496	2414.3257 94.9084
2405.334 94.596	2409.906 94.7549	2414.478 94.9137
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2405.7913 94.6119	2410.3633 94.7708	2414.9353 94.9296
2405.9436 94.6172	2410.5156 94.776	2415.0876 94.9349
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2406.4009 94.6331	2410.9729 94.7919	2415.5449 94.9508
2406.5532 94.6384	2411.1252 94.7972	2415.6973 94.9561
2406.7056 94.6437	2411.2776 94.8025	2415.8496 94.9614
2406.8579 94.649	2411.4299 94.8078	2416.002 94.9667

2416.1543 94.972	2420.7263 95.1308	2425.2983 95.2896
2416.3069 94.9773	2420.8789 95.1361	2425.4507 95.2949
2416.4592 94.9825	2421.0313 95.1414	2425.6033 95.3002
2416.6116 94.9878	2421.1836 95.1467	2425.7556 95.3055
2416.7639 94.9931	2421.3359 95.152	2425.908 95.3108
2416.9165 94.9984	2421.4883 95.1573	2426.0603 95.3161
2417.0688 95.0037	2421.6409 95.1626	2426.2129 95.3214
2417.2212 95.009	2421.7932 95.1679	2426.3652 95.3267
2417.3735 95.0143	2421.9456 95.1732	2426.5176 95.332
2417.5259 95.0196	2422.0979 95.1785	2426.6699 95.3373
2417.6785 95.0249	2422.2505 95.1838	2426.8225 95.3426
2417.8308 95.0302	2422.4028 95.189	2426.9749 95.3479
2417.9832 95.0355	2422.5552 95.1943	2427.1272 95.3532
2418.1355 95.0408	2422.7075 95.1996	2427.2795 95.3585
2418.2881 95.0461	2422.8601 95.2049	2427.4319 95.3638
2418.4404 95.0514	2423.0125 95.2102	2427.5845 95.3691
2418.5928 95.0567	2423.1648 95.2155	2427.7368 95.3744
2418.7451 95.062	2423.3171 95.2208	2427.8892 95.3797
2418.8977 95.0673	2423.4695 95.2261	2428.0415 95.385
2419.05 95.0726	2423.6221 95.2314	2428.1941 95.3903
2419.2024 95.0779	2423.7744 95.2367	2428.3464 95.3956
2419.3547 95.0832	2423.9268 95.242	2428.4988 95.4008
2419.5071 95.0884	2424.0791 95.2473	2428.6511 95.4061
2419.6597 95.0937	2424.2317 95.2526	2428.8037 95.4114
2419.812 95.099	2424.384 95.2579	2428.9561 95.4167
2419.9644 95.1043	2424.5364 95.2632	2429.1084 95.422
2420.1167 95.1096	2424.6887 95.2685	2429.2607 95.4273
2420.2693 95.1149	2424.8413 95.2738	2429.4131 95.4326
2420.4216 95.1202	2424.9937 95.2791	2429.5657 95.4379
2420.574 95.1255	2425.146 95.2844	2429.718 95.4432

2429.8704 95.4485	2434.4424 95.6074	2439.0144 95.7662
2430.0227 95.4538	2434.5947 95.6126	2439.1667 95.7715
2430.1753 95.4591	2434.7473 95.618	2439.3191 95.7768
2430.3276 95.4644	2434.8997 95.6232	2439.4717 95.7821
2430.48 95.4697	2435.052 95.6285	2439.624 95.7874
2430.6323 95.475	2435.2043 95.6338	2439.7764 95.7927
2430.7849 95.4803	2435.3567 95.6391	2439.9287 95.798
2430.9373 95.4856	2435.5093 95.6444	2440.0813 95.8033
2431.0896 95.4909	2435.6616 95.6497	2440.2336 95.8086
2431.2419 95.4962	2435.814 95.655	2440.386 95.8139
2431.3943 95.5014	2435.9663 95.6603	2440.5383 95.8191
2431.5469 95.5068	2436.1189 95.6656	2440.6909 95.8244
2431.6992 95.512	2436.2712 95.6709	2440.8433 95.8298
2431.8516 95.5173	2436.4236 95.6762	2440.9956 95.835
2432.0039 95.5226	2436.5759 95.6815	2441.1479 95.8403
2432.1565 95.5279	2436.7285 95.6868	2441.3003 95.8456
2432.3088 95.5332	2436.8809 95.6921	2441.4529 95.8509
2432.4612 95.5385	2437.0332 95.6974	2441.6052 95.8562
2432.6135 95.5438	2437.1855 95.7027	2441.7576 95.8615
2432.7661 95.5491	2437.3379 95.708	2441.9099 95.8668
2432.9185 95.5544	2437.4905 95.7132	2442.0625 95.8721
2433.0708 95.5597	2437.6428 95.7186	2442.2148 95.8774
2433.2231 95.565	2437.7952 95.7238	2442.3672 95.8827
2433.3755 95.5703	2437.9475 95.7291	2442.5195 95.888
2433.5281 95.5756	2438.1001 95.7344	2442.6721 95.8933
2433.6804 95.5809	2438.2524 95.7397	2442.8245 95.8986
2433.8328 95.5862	2438.4048 95.745	2442.9768 95.9039
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2434.1377 95.5968	2438.7097 95.7556	2443.2815 95.9145
2434.29 95.6021	2438.8621 95.7609	2443.4341 95.9198

2443.5864 95.925	2448.1584 96.0839	2452.7305 96.2427
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2445.72 95.9992	2450.292 96.158	2454.864 96.3169
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2556.3623	99.8433	2560.9343	100.0022	2565.5063	100.161
2556.5149	99.8486	2561.0869	100.0075	2565.6587	100.1663
2556.6672	99.8539	2561.2393	100.0128	2565.8113	100.1716
2556.8196	99.8592	2561.3916	100.0181	2565.9636	100.1769
2556.9719	99.8645	2561.5439	100.0234	2566.116	100.1822
2557.1245	99.8698	2561.6963	100.0286	2566.2683	100.1875
2557.2769	99.8751	2561.8489	100.034	2566.4209	100.1928
2557.4292	99.8804	2562.0012	100.0392	2566.5732	100.1981
2557.5815	99.8857	2562.1536	100.0445	2566.7256	100.2034
2557.7339	99.891	2562.3059	100.0498	2566.8779	100.2087

2567.0305	100.214	2571.6023	100.3728	2576.1743	100.5317
2567.1829	100.2193	2571.7549	100.3781	2576.3269	100.537
2567.3352	100.2246	2571.9072	100.3834	2576.4792	100.5423
2567.4875	100.2299	2572.0596	100.3887	2576.6316	100.5476
2567.6399	100.2351	2572.2119	100.394	2576.7839	100.5528
2567.7925	100.2404	2572.3645	100.3993	2576.9363	100.5581
2567.9448	100.2458	2572.5168	100.4046	2577.0889	100.5634
2568.0972	100.251	2572.6692	100.4099	2577.2412	100.5687
2568.2495	100.2563	2572.8215	100.4152	2577.3936	100.574
2568.4021	100.2616	2572.9741	100.4205	2577.5459	100.5793
2568.5544	100.2669	2573.1265	100.4258	2577.6985	100.5846
2568.7068	100.2722	2573.2788	100.4311	2577.8508	100.5899
2568.8591	100.2775	2573.4312	100.4364	2578.0032	100.5952
2569.0117	100.2828	2573.5835	100.4417	2578.1555	100.6005
2569.1641	100.2881	2573.7361	100.447	2578.3081	100.6058
2569.3164	100.2934	2573.8884	100.4522	2578.4604	100.6111
2569.4688	100.2987	2574.0408	100.4575	2578.6128	100.6164
2569.6211	100.304	2574.1931	100.4628	2578.7651	100.6217
2569.7737	100.3093	2574.3457	100.4681	2578.9175	100.627
2569.926	100.3146	2574.498	100.4734	2579.0701	100.6323
2570.0784	100.3199	2574.6504	100.4787	2579.2224	100.6376
2570.2307	100.3252	2574.8027	100.484	2579.3748	100.6429
2570.3833	100.3305	2574.9551	100.4893	2579.5271	100.6482
2570.5356	100.3358	2575.1077	100.4946	2579.6797	100.6535
2570.688	100.341	2575.26	100.4999	2579.832	100.6588
2570.8403	100.3463	2575.4124	100.5052	2579.9844	100.664
2570.9929	100.3516	2575.5647	100.5105	2580.1367	100.6693
2571.1453	100.3569	2575.7173	100.5158	2580.2893	100.6746
2571.2976	100.3622	2575.8696	100.5211	2580.4417	100.6799
2571.45	100.3675	2576.022	100.5264	2580.594	100.6852

2580.7463	100.6905	2585.3184	100.8494	2589.8904	101.0082
2580.8987	100.6958	2585.4707	100.8547	2590.0427	101.0135
2581.0513	100.7011	2585.6233	100.86	2590.1953	101.0188
2581.2036	100.7064	2585.7756	100.8653	2590.3477	101.0241
2581.356	100.7117	2585.928	100.8705	2590.5	101.0294
2581.5083	100.717	2586.0803	100.8758	2590.6523	101.0347
2581.6609	100.7223	2586.2329	100.8811	2590.8047	101.04
2581.8132	100.7276	2586.3853	100.8864	2590.9573	101.0453
2581.9656	100.7329	2586.5376	100.8917	2591.1096	101.0506
2582.1179	100.7382	2586.6899	100.897	2591.262	101.0559
2582.2705	100.7435	2586.8423	100.9023	2591.4143	101.0612
2582.4229	100.7488	2586.9949	100.9076	2591.5669	101.0665
2582.5752	100.7541	2587.1472	100.9129	2591.7192	101.0718
2582.7275	100.7594	2587.2996	100.9182	2591.8716	101.0771
2582.8799	100.7646	2587.4519	100.9235	2592.0239	101.0823
2583.0325	100.77	2587.6045	100.9288	2592.1765	101.0876
2583.1848	100.7752	2587.7568	100.9341	2592.3289	101.0929
2583.3372	100.7805	2587.9092	100.9394	2592.4812	101.0982
2583.4895	100.7858	2588.0615	100.9447	2592.6335	101.1035
2583.6421	100.7911	2588.2141	100.95	2592.7859	101.1088
2583.7944	100.7964	2588.3665	100.9553	2592.9385	101.1141
2583.9468	100.8017	2588.5188	100.9606	2593.0908	101.1194
2584.0991	100.807	2588.6711	100.9659	2593.2432	101.1247
2584.2517	100.8123	2588.8235	100.9712	2593.3955	101.13
2584.4041	100.8176	2588.9761	100.9765	2593.5481	101.1353
2584.5564	100.8229	2589.1284	100.9817	2593.7004	101.1406
2584.7087	100.8282	2589.2808	100.987	2593.8528	101.1459
2584.8611	100.8335	2589.4331	100.9923	2594.0051	101.1512
2585.0137	100.8388	2589.5857	100.9976	2594.1577	101.1565
2585.166	100.8441	2589.738	101.0029	2594.3101	101.1618

2594.4624	101.1671	2599.0344	101.3259	2603.6064	101.4848
2594.6147	101.1724	2599.1868	101.3312	2603.7588	101.4901
2594.7671	101.1777	2599.3391	101.3365	2603.9111	101.4954
2594.9197	101.183	2599.4917	101.3418	2604.0637	101.5007
2595.072	101.1883	2599.644	101.3471	2604.2161	101.506
2595.2244	101.1935	2599.7964	101.3524	2604.3684	101.5112
2595.3767	101.1988	2599.9487	101.3577	2604.5208	101.5165
2595.5293	101.2041	2600.1013	101.363	2604.6731	101.5218
2595.6816	101.2094	2600.2537	101.3683	2604.8257	101.5271
2595.834	101.2147	2600.406	101.3736	2604.978	101.5324
2595.9863	101.22	2600.5583	101.3789	2605.1304	101.5377
2596.1389	101.2253	2600.7107	101.3842	2605.2827	101.543
2596.2913	101.2306	2600.8633	101.3895	2605.4353	101.5483
2596.4436	101.2359	2601.0156	101.3948	2605.5876	101.5536
2596.5959	101.2412	2601.168	101.4	2605.74	101.5589
2596.7483	101.2465	2601.3203	101.4053	2605.8923	101.5642
2596.9009	101.2518	2601.4729	101.4106	2606.0449	101.5695
2597.0532	101.2571	2601.6252	101.4159	2606.1973	101.5748
2597.2056	101.2624	2601.7776	101.4212	2606.3496	101.5801
2597.3579	101.2677	2601.9299	101.4265	2606.502	101.5854
2597.5105	101.273	2602.0825	101.4318	2606.6543	101.5907
2597.6628	101.2783	2602.2349	101.4371	2606.8069	101.596
2597.8152	101.2836	2602.3872	101.4424	2606.9592	101.6012
2597.9675	101.2888	2602.5396	101.4477	2607.1116	101.6066
2598.1201	101.2942	2602.6919	101.453	2607.2639	101.6118
2598.2725	101.2994	2602.8445	101.4583	2607.4165	101.6171
2598.4248	101.3047	2602.9968	101.4636	2607.5688	101.6224
2598.5771	101.31	2603.1492	101.4689	2607.7212	101.6277
2598.7295	101.3153	2603.3015	101.4742	2607.8735	101.633
2598.8821	101.3206	2603.4541	101.4795	2608.0259	101.6383

2608.1785	101.6436	2612.7505	101.8025	2617.3225	101.9613
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2608.4832	101.6542	2613.0552	101.813	2617.6272	101.9719
2608.6355	101.6595	2613.2075	101.8183	2617.7795	101.9772
2608.7881	101.6648	2613.3601	101.8236	2617.9319	101.9825
2608.9404	101.6701	2613.5125	101.8289	2618.0845	101.9878
2609.0928	101.6754	2613.6648	101.8342	2618.2368	101.9931
2609.2451	101.6807	2613.8171	101.8395	2618.3892	101.9984
2609.3977	101.686	2613.9695	101.8448	2618.5415	102.0037
2609.55	101.6913	2614.1221	101.8501	2618.6941	102.009
2609.7024	101.6966	2614.2744	101.8554	2618.8464	102.0143
2609.8547	101.7019	2614.4268	101.8607	2618.9988	102.0196
2610.0071	101.7071	2614.5791	101.866	2619.1511	102.0248
2610.1597	101.7124	2614.7317	101.8713	2619.3037	102.0302
2610.312	101.7178	2614.884	101.8766	2619.4561	102.0354
2610.4644	101.723	2615.0364	101.8819	2619.6084	102.0407
2610.6167	101.7283	2615.1887	101.8872	2619.7607	102.046
2610.7693	101.7336	2615.3413	101.8925	2619.9131	102.0513
2610.9216	101.7389	2615.4937	101.8978	2620.0657	102.0566
2611.074	101.7442	2615.646	101.9031	2620.218	102.0619
2611.2263	101.7495	2615.7983	101.9084	2620.3704	102.0672
2611.3789	101.7548	2615.9507	101.9137	2620.5227	102.0725
2611.5313	101.7601	2616.1033	101.919	2620.6753	102.0778
2611.6836	101.7654	2616.2556	101.9242	2620.8276	102.0831
2611.8359	101.7707	2616.408	101.9295	2620.98	102.0884
2611.9883	101.776	2616.5603	101.9348	2621.1323	102.0937
2612.1409	101.7813	2616.7129	101.9401	2621.2849	102.099
2612.2932	101.7866	2616.8652	101.9454	2621.4373	102.1043
2612.4456	101.7919	2617.0176	101.9507	2621.5896	102.1096
2612.5979	101.7972	2617.1699	101.956	2621.7419	102.1149

2621.8943 102.1202	2626.4663 102.279	2631.0383 102.4379
2622.0469 102.1255	2626.6189 102.2843	2631.1909 102.4432
2622.1992 102.1308	2626.7712 102.2896	2631.3433 102.4485
2622.3516 102.136	2626.9236 102.2949	2631.4956 102.4537
2622.5039 102.1413	2627.0759 102.3002	2631.6479 102.459
2622.6565 102.1466	2627.2285 102.3055	2631.8003 102.4643
2622.8088 102.1519	2627.3809 102.3108	2631.9529 102.4696
2622.9612 102.1572	2627.5332 102.3161	2632.1052 102.4749
2623.1135 102.1625	2627.6855 102.3214	2632.2576 102.4802
2623.2661 102.1678	2627.8379 102.3267	2632.4099 102.4855
2623.4185 102.1731	2627.9905 102.332	2632.5625 102.4908
2623.5708 102.1784	2628.1428 102.3373	2632.7148 102.4961
2623.7231 102.1837	2628.2952 102.3425	2632.8672 102.5014
2623.8755 102.189	2628.4475 102.3478	2633.0195 102.5067
2624.0281 102.1943	2628.6001 102.3531	2633.1721 102.512
2624.1804 102.1996	2628.7524 102.3584	2633.3245 102.5173
2624.3328 102.2049	2628.9048 102.3637	2633.4768 102.5226
2624.4851 102.2102	2629.0571 102.369	2633.6292 102.5279
2624.6377 102.2155	2629.2097 102.3743	2633.7815 102.5332
2624.79 102.2208	2629.3621 102.3796	2633.9341 102.5385
2624.9424 102.2261	2629.5144 102.3849	2634.0864 102.5438
2625.0947 102.2314	2629.6667 102.3902	2634.2388 102.5491
2625.2473 102.2367	2629.8191 102.3955	2634.3911 102.5543
2625.3997 102.242	2629.9717 102.4008	2634.5437 102.5596
2625.552 102.2472	2630.124 102.4061	2634.696 102.5649
2625.7043 102.2525	2630.2764 102.4114	2634.8484 102.5702
2625.8567 102.2578	2630.4287 102.4167	2635.0007 102.5755
2626.0093 102.2631	2630.5813 102.422	2635.1533 102.5808
2626.1616 102.2684	2630.7336 102.4273	2635.3057 102.5861
2626.314 102.2737	2630.886 102.4326	2635.458 102.5914

2635.6104 102.5967	2640.1824 102.7556	2644.7544 102.9144
2635.7627 102.602	2640.3347 102.7608	2644.9067 102.9197
2635.9153 102.6073	2640.4873 102.7662	2645.0591 102.925
2636.0676 102.6126	2640.6396 102.7714	2645.2117 102.9303
2636.22 102.6179	2640.792 102.7767	2645.364 102.9356
2636.3723 102.6232	2640.9443 102.782	2645.5164 102.9409
2636.5249 102.6285	2641.0967 102.7873	2645.6687 102.9462
2636.6772 102.6338	2641.2493 102.7926	2645.8213 102.9515
2636.8296 102.6391	2641.4016 102.7979	2645.9736 102.9568
2636.9819 102.6444	2641.554 102.8032	2646.126 102.9621
2637.1345 102.6497	2641.7063 102.8085	2646.2783 102.9674
2637.2869 102.655	2641.8589 102.8138	2646.4309 102.9727
2637.4392 102.6603	2642.0112 102.8191	
2637.5916 102.6655	2642.1636 102.8244	
2637.7439 102.6708	2642.3159 102.8297	
2637.8965 102.6761	2642.4685 102.835	
2638.0488 102.6814	2642.6208 102.8403	
2638.2012 102.6867	2642.7732 102.8456	
2638.3535 102.692	2642.9255 102.8509	
2638.5061 102.6973	2643.0779 102.8562	
2638.6584 102.7026	2643.2305 102.8615	
2638.8108 102.7079	2643.3828 102.8668	
2638.9631 102.7132	2643.5352 102.872	
2639.1155 102.7185	2643.6875 102.8773	
2639.2681 102.7238	2643.8401 102.8826	
2639.4204 102.7291	2643.9924 102.8879	
2639.5728 102.7344	2644.1448 102.8932	
2639.7251 102.7397	2644.2971 102.8985	
2639.8777 102.745	2644.4497 102.9038	
2640.03 102.7503	2644.6021 102.9091	

Wellname : YPF.Ch.APC-406

Date : 11/11/2014 16:36:57

DEPTH	CALC:Temp				
M	C	418.8	25.5761	422.9148	25.7191
		418.9524	25.5814	423.0672	25.7244
414.99	25.4438	419.1048	25.5867	423.2196	25.7297
415.1424	25.449	419.2572	25.592	423.372	25.735
415.2948	25.4543	419.4096	25.5973	423.5244	25.7403
415.4472	25.4596	419.562	25.6026	423.6768	25.7456
415.5996	25.4649	419.7144	25.6079	423.8292	25.7509
415.752	25.4702	419.8668	25.6132	423.9816	25.7562
415.9044	25.4755	420.0192	25.6185	424.134	25.7614
416.0568	25.4808	420.1716	25.6238	424.2864	25.7667
416.2092	25.4861	420.324	25.6291	424.4388	25.772
416.3616	25.4914	420.4764	25.6344	424.5912	25.7773
416.514	25.4967	420.6288	25.6397	424.7436	25.7826
416.6664	25.502	420.7812	25.645	424.896	25.7879
416.8188	25.5073	420.9336	25.6503	425.0484	25.7932
416.9712	25.5126	421.086	25.6556	425.2008	25.7985
417.1236	25.5179	421.2384	25.6608	425.3532	25.8038
417.276	25.5232	421.3908	25.6661	425.5056	25.8091
417.4284	25.5285	421.5432	25.6714	425.658	25.8144
417.5808	25.5338	421.6956	25.6767	425.8104	25.8197
417.7332	25.5391	421.848	25.682	425.9628	25.825
417.8856	25.5444	422.0004	25.6873	426.1152	25.8303
418.038	25.5497	422.1528	25.6926	426.2676	25.8356
418.1904	25.5549	422.3052	25.6979	426.42	25.8409
418.3428	25.5602	422.4576	25.7032	426.5724	25.8462
418.4952	25.5655	422.61	25.7085	426.7248	25.8515
418.6476	25.5708	422.7624	25.7138	426.8772	25.8568

427.0296	25.8621	431.6016	26.0209	436.1736	26.1798
427.182	25.8673	431.754	26.0262	436.326	26.185
427.3344	25.8726	431.9064	26.0315	436.4784	26.1903
427.4868	25.8779	432.0588	26.0368	436.6308	26.1956
427.6392	25.8832	432.2112	26.0421	436.7832	26.2009
427.7916	25.8885	432.3636	26.0474	436.9356	26.2062
427.944	25.8938	432.516	26.0527	437.088	26.2115
428.0964	25.8991	432.6684	26.058	437.2404	26.2168
428.2488	25.9044	432.8208	26.0633	437.3928	26.2221
428.4012	25.9097	432.9732	26.0686	437.5452	26.2274
428.5536	25.915	433.1256	26.0739	437.6976	26.2327
428.706	25.9203	433.278	26.0791	437.85	26.238
428.8584	25.9256	433.4304	26.0844	438.0024	26.2433
429.0108	25.9309	433.5828	26.0897	438.1548	26.2486
429.1632	25.9362	433.7352	26.095	438.3072	26.2539
429.3156	25.9415	433.8876	26.1003	438.4596	26.2592
429.468	25.9468	434.04	26.1056	438.612	26.2645
429.6204	25.9521	434.1924	26.1109	438.7644	26.2698
429.7728	25.9574	434.3448	26.1162	438.9168	26.2751
429.9252	25.9627	434.4972	26.1215	439.0692	26.2804
430.0776	25.968	434.6496	26.1268	439.2216	26.2857
430.23	25.9732	434.802	26.1321	439.374	26.2909
430.3824	25.9785	434.9544	26.1374	439.5264	26.2962
430.5348	25.9838	435.1068	26.1427	439.6788	26.3015
430.6872	25.9891	435.2592	26.148	439.8312	26.3068
430.8396	25.9944	435.4116	26.1533	439.9836	26.3121
430.992	25.9997	435.564	26.1586	440.136	26.3174
431.1444	26.005	435.7164	26.1639	440.2884	26.3227
431.2968	26.0103	435.8688	26.1692	440.4408	26.328
431.4492	26.0156	436.0212	26.1745	440.5932	26.3333

440.7456	26.3386	445.3176	26.4974	449.8896	26.6563
440.898	26.3439	445.47	26.5027	450.042	26.6616
441.0504	26.3492	445.6224	26.508	450.1944	26.6669
441.2028	26.3545	445.7748	26.5133	450.3468	26.6722
441.3552	26.3598	445.9272	26.5186	450.4992	26.6775
441.5076	26.3651	446.0796	26.5239	450.6516	26.6828
441.66	26.3704	446.232	26.5292	450.804	26.6881
441.8124	26.3757	446.3844	26.5345	450.9564	26.6934
441.9648	26.381	446.5368	26.5398	451.1088	26.6987
442.1172	26.3863	446.6892	26.5451	451.2612	26.704
442.2696	26.3916	446.8416	26.5504	451.4136	26.7092
442.422	26.3968	446.994	26.5557	451.566	26.7145
442.5744	26.4021	447.1464	26.561	451.7184	26.7198
442.7268	26.4074	447.2988	26.5663	451.8708	26.7251
442.8792	26.4127	447.4512	26.5716	452.0232	26.7304
443.0316	26.418	447.6036	26.5769	452.1756	26.7357
443.184	26.4233	447.756	26.5822	452.328	26.741
443.3364	26.4286	447.9084	26.5875	452.4804	26.7463
443.4888	26.4339	448.0608	26.5928	452.6328	26.7516
443.6412	26.4392	448.2132	26.5981	452.7852	26.7569
443.7936	26.4445	448.3656	26.6033	452.9376	26.7622
443.946	26.4498	448.518	26.6086	453.09	26.7675
444.0984	26.4551	448.6704	26.6139	453.2424	26.7728
444.2508	26.4604	448.8228	26.6192	453.3948	26.7781
444.4032	26.4657	448.9752	26.6245	453.5472	26.7834
444.5556	26.471	449.1276	26.6298	453.6996	26.7887
444.708	26.4763	449.28	26.6351	453.852	26.794
444.8604	26.4816	449.4324	26.6404	454.0044	26.7993
445.0128	26.4869	449.5848	26.6457	454.1568	26.8046
445.1652	26.4922	449.7372	26.651	454.3092	26.8099

454.4616	26.8151	459.0336	26.974	463.6056	27.1328
454.614	26.8204	459.186	26.9793	463.758	27.1381
454.7664	26.8257	459.3384	26.9846	463.9104	27.1434
454.9188	26.831	459.4908	26.9899	464.0628	27.1487
455.0712	26.8363	459.6432	26.9952	464.2152	27.154
455.2236	26.8416	459.7956	27.0005	464.3676	27.1593
455.376	26.8469	459.948	27.0058	464.52	27.1646
455.5284	26.8522	460.1004	27.0111	464.6724	27.1699
455.6808	26.8575	460.2528	27.0164	464.8248	27.1752
455.8332	26.8628	460.4052	27.0217	464.9772	27.1805
455.9856	26.8681	460.5576	27.0269	465.1296	27.1858
456.138	26.8734	460.71	27.0322	465.282	27.1911
456.2904	26.8787	460.8624	27.0375	465.4344	27.1964
456.4428	26.884	461.0148	27.0428	465.5868	27.2017
456.5952	26.8893	461.1672	27.0481	465.7392	27.207
456.7476	26.8946	461.3196	27.0534	465.8916	27.2123
456.9	26.8999	461.472	27.0587	466.044	27.2176
457.0524	26.9052	461.6244	27.064	466.1964	27.2229
457.2048	26.9105	461.7768	27.0693	466.3488	27.2282
457.3572	26.9158	461.9292	27.0746	466.5012	27.2334
457.5096	26.921	462.0816	27.0799	466.6536	27.2387
457.662	26.9263	462.234	27.0852	466.806	27.244
457.8144	26.9316	462.3864	27.0905	466.9584	27.2493
457.9668	26.9369	462.5388	27.0958	467.1108	27.2546
458.1192	26.9422	462.6912	27.1011	467.2632	27.2599
458.2716	26.9475	462.8436	27.1064	467.4156	27.2652
458.424	26.9528	462.996	27.1117	467.568	27.2705
458.5764	26.9581	463.1484	27.117	467.7204	27.2758
458.7288	26.9634	463.3008	27.1223	467.8728	27.2811
458.8812	26.9687	463.4532	27.1276	468.0252	27.2864

468.1776	27.2917	472.7496	27.4505	477.3216	27.6094
468.33	27.297	472.902	27.4558	477.474	27.6147
468.4824	27.3023	473.0544	27.4611	477.6264	27.62
468.6348	27.3076	473.2068	27.4664	477.7788	27.6253
468.7872	27.3129	473.3592	27.4717	477.9312	27.6306
468.9396	27.3182	473.5116	27.477	478.0836	27.6359
469.092	27.3235	473.664	27.4823	478.236	27.6412
469.2444	27.3288	473.8164	27.4876	478.3884	27.6465
469.3968	27.3341	473.9688	27.4929	478.5408	27.6518
469.5492	27.3393	474.1212	27.4982	478.6932	27.657
469.7016	27.3446	474.2736	27.5035	478.8456	27.6623
469.854	27.3499	474.426	27.5088	478.998	27.6676
470.0064	27.3552	474.5784	27.5141	479.1504	27.6729
470.1588	27.3605	474.7308	27.5194	479.3028	27.6782
470.3112	27.3658	474.8832	27.5247	479.4552	27.6835
470.4636	27.3711	475.0356	27.53	479.6076	27.6888
470.616	27.3764	475.188	27.5353	479.76	27.6941
470.7684	27.3817	475.3404	27.5406	479.9124	27.6994
470.9208	27.387	475.4928	27.5459	480.0648	27.7047
471.0732	27.3923	475.6452	27.5511	480.2172	27.71
471.2256	27.3976	475.7976	27.5564	480.3696	27.7153
471.378	27.4029	475.95	27.5617	480.522	27.7206
471.5304	27.4082	476.1024	27.567	480.6744	27.7259
471.6828	27.4135	476.2548	27.5723	480.8268	27.7312
471.8352	27.4188	476.4072	27.5776	480.9792	27.7365
471.9876	27.4241	476.5596	27.5829	481.1316	27.7418
472.14	27.4294	476.712	27.5882	481.284	27.7471
472.2924	27.4347	476.8644	27.5935	481.4364	27.7524
472.4448	27.44	477.0168	27.5988	481.5888	27.7577
472.5972	27.4452	477.1692	27.6041	481.7412	27.7629

481.8936	27.7682	486.4656	27.9271	491.0376	28.0859
482.046	27.7735	486.618	27.9324	491.19	28.0912
482.1984	27.7788	486.7704	27.9377	491.3424	28.0965
482.3508	27.7841	486.9228	27.943	491.4948	28.1018
482.5032	27.7894	487.0752	27.9483	491.6472	28.1071
482.6556	27.7947	487.2276	27.9536	491.7996	28.1124
482.808	27.8	487.38	27.9589	491.952	28.1177
482.9604	27.8053	487.5324	27.9642	492.1044	28.123
483.1128	27.8106	487.6848	27.9694	492.2568	28.1283
483.2652	27.8159	487.8372	27.9747	492.4092	28.1336
483.4176	27.8212	487.9896	27.98	492.5616	28.1389
483.57	27.8265	488.142	27.9853	492.714	28.1442
483.7224	27.8318	488.2944	27.9906	492.8664	28.1495
483.8748	27.8371	488.4468	27.9959	493.0188	28.1548
484.0272	27.8424	488.5992	28.0012	493.1712	28.1601
484.1796	27.8477	488.7516	28.0065	493.3236	28.1654
484.332	27.853	488.904	28.0118	493.476	28.1707
484.4844	27.8583	489.0564	28.0171	493.6284	28.176
484.6368	27.8636	489.2088	28.0224	493.7808	28.1812
484.7892	27.8688	489.3612	28.0277	493.9332	28.1865
484.9416	27.8741	489.5136	28.033	494.0856	28.1918
485.094	27.8794	489.666	28.0383	494.238	28.1971
485.2464	27.8847	489.8184	28.0436	494.3904	28.2024
485.3988	27.89	489.9708	28.0489	494.5428	28.2077
485.5512	27.8953	490.1232	28.0542	494.6952	28.213
485.7036	27.9006	490.2756	28.0595	494.8476	28.2183
485.856	27.9059	490.428	28.0648	495	28.2236
486.0084	27.9112	490.5804	28.0701	495.1524	28.2289
486.1608	27.9165	490.7328	28.0753	495.3048	28.2342
486.3132	27.9218	490.8852	28.0806	495.4572	28.2395

495.6096	28.2448	500.1816	28.4036	504.7536	28.5625
495.762	28.2501	500.334	28.4089	504.906	28.5678
495.9144	28.2554	500.4864	28.4142	505.0584	28.5731
496.0668	28.2607	500.6388	28.4195	505.2108	28.5784
496.2192	28.266	500.7912	28.4248	505.3632	28.5837
496.3716	28.2713	500.9436	28.4301	505.5156	28.589
496.524	28.2766	501.096	28.4354	505.668	28.5943
496.6764	28.2819	501.2484	28.4407	505.8204	28.5996
496.8288	28.2871	501.4008	28.446	505.9728	28.6048
496.9812	28.2924	501.5532	28.4513	506.1252	28.6101
497.1336	28.2977	501.7056	28.4566	506.2776	28.6154
497.286	28.303	501.858	28.4619	506.43	28.6207
497.4384	28.3083	502.0104	28.4672	506.5824	28.626
497.5908	28.3136	502.1628	28.4725	506.7348	28.6313
497.7432	28.3189	502.3152	28.4778	506.8872	28.6366
497.8956	28.3242	502.4676	28.4831	507.0396	28.6419
498.048	28.3295	502.62	28.4884	507.192	28.6472
498.2004	28.3348	502.7724	28.4937	507.3444	28.6525
498.3528	28.3401	502.9248	28.4989	507.4968	28.6578
498.5052	28.3454	503.0772	28.5042	507.6492	28.6631
498.6576	28.3507	503.2296	28.5095	507.8016	28.6684
498.81	28.356	503.382	28.5148	507.954	28.6737
498.9624	28.3613	503.5344	28.5201	508.1064	28.679
499.1148	28.3666	503.6868	28.5254	508.2588	28.6843
499.2672	28.3719	503.8392	28.5307	508.4112	28.6896
499.4196	28.3772	503.9916	28.536	508.5636	28.6949
499.572	28.3825	504.144	28.5413	508.716	28.7002
499.7244	28.3878	504.2964	28.5466	508.8684	28.7055
499.8768	28.393	504.4488	28.5519	509.0208	28.7107
500.0292	28.3983	504.6012	28.5572	509.1732	28.716

509.3256	28.7213	513.8976	28.8802	518.4696	29.039
509.478	28.7266	514.05	28.8855	518.622	29.0443
509.6304	28.7319	514.2024	28.8908	518.7744	29.0496
509.7828	28.7372	514.3548	28.8961	518.9268	29.0549
509.9352	28.7425	514.5072	28.9014	519.0792	29.0602
510.0876	28.7478	514.6596	28.9067	519.2316	29.0655
510.24	28.7531	514.812	28.912	519.384	29.0708
510.3924	28.7584	514.9644	28.9172	519.5364	29.0761
510.5448	28.7637	515.1168	28.9225	519.6888	29.0814
510.6972	28.769	515.2692	28.9278	519.8412	29.0867
510.8496	28.7743	515.4216	28.9331	519.9936	29.092
511.002	28.7796	515.574	28.9384	520.146	29.0973
511.1544	28.7849	515.7264	28.9437	520.2984	29.1026
511.3068	28.7902	515.8788	28.949	520.4508	29.1079
511.4592	28.7955	516.0312	28.9543	520.6032	29.1132
511.6116	28.8008	516.1836	28.9596	520.7556	29.1185
511.764	28.8061	516.336	28.9649	520.908	29.1238
511.9164	28.8113	516.4884	28.9702	521.0604	29.129
512.0688	28.8166	516.6408	28.9755	521.2128	29.1343
512.2212	28.8219	516.7932	28.9808	521.3652	29.1396
512.3736	28.8272	516.9456	28.9861	521.5176	29.1449
512.526	28.8325	517.098	28.9914	521.67	29.1502
512.6784	28.8378	517.2504	28.9967	521.8224	29.1555
512.8308	28.8431	517.4028	29.002	521.9748	29.1608
512.9832	28.8484	517.5552	29.0073	522.1272	29.1661
513.1356	28.8537	517.7076	29.0126	522.2796	29.1714
513.288	28.859	517.86	29.0179	522.432	29.1767
513.4404	28.8643	518.0124	29.0231	522.5844	29.182
513.5928	28.8696	518.1648	29.0284	522.7368	29.1873
513.7452	28.8749	518.3172	29.0337	522.8892	29.1926

523.0416	29.1979	527.6136	29.3567	532.1856	29.5156
523.194	29.2032	527.766	29.362	532.338	29.5209
523.3464	29.2085	527.9184	29.3673	532.4904	29.5262
523.4988	29.2138	528.0708	29.3726	532.6428	29.5315
523.6512	29.2191	528.2232	29.3779	532.7952	29.5368
523.8036	29.2244	528.3756	29.3832	532.9476	29.5421
523.956	29.2297	528.528	29.3885	533.1	29.5473
524.1084	29.2349	528.6804	29.3938	533.2524	29.5526
524.2608	29.2402	528.8328	29.3991	533.4048	29.5579
524.4132	29.2455	528.9852	29.4044	533.5572	29.5632
524.5656	29.2508	529.1376	29.4097	533.7096	29.5685
524.718	29.2561	529.29	29.415	533.862	29.5738
524.8704	29.2614	529.4424	29.4203	534.0144	29.5791
525.0228	29.2667	529.5948	29.4256	534.1668	29.5844
525.1752	29.272	529.7472	29.4309	534.3192	29.5897
525.3276	29.2773	529.8996	29.4362	534.4716	29.595
525.48	29.2826	530.052	29.4415	534.624	29.6003
525.6324	29.2879	530.2044	29.4467	534.7764	29.6056
525.7848	29.2932	530.3568	29.452	534.9288	29.6109
525.9372	29.2985	530.5092	29.4573	535.0812	29.6162
526.0896	29.3038	530.6616	29.4626	535.2336	29.6215
526.242	29.3091	530.814	29.4679	535.386	29.6268
526.3944	29.3144	530.9664	29.4732	535.5384	29.6321
526.5468	29.3197	531.1188	29.4785	535.6908	29.6374
526.6992	29.325	531.2712	29.4838	535.8432	29.6427
526.8516	29.3303	531.4236	29.4891	535.9956	29.648
527.004	29.3356	531.576	29.4944	536.148	29.6532
527.1564	29.3408	531.7284	29.4997	536.3004	29.6585
527.3088	29.3461	531.8808	29.505	536.4528	29.6638
527.4612	29.3514	532.0332	29.5103	536.6052	29.6691

536.7576	29.6744	541.3296	29.8333	545.9016	29.9921
536.91	29.6797	541.482	29.8386	546.054	29.9974
537.0624	29.685	541.6344	29.8439	546.2064	30.0027
537.2148	29.6903	541.7868	29.8492	546.3588	30.008
537.3672	29.6956	541.9392	29.8545	546.5112	30.0133
537.5196	29.7009	542.0916	29.8598	546.6636	30.0186
537.672	29.7062	542.244	29.865	546.816	30.0239
537.8244	29.7115	542.3964	29.8703	546.9684	30.0292
537.9768	29.7168	542.5488	29.8756	547.1208	30.0345
538.1292	29.7221	542.7012	29.8809	547.2732	30.0398
538.2816	29.7274	542.8536	29.8862	547.4256	30.0451
538.434	29.7327	543.006	29.8915	547.578	30.0504
538.5864	29.738	543.1584	29.8968	547.7304	30.0557
538.7388	29.7433	543.3108	29.9021	547.8828	30.061
538.8912	29.7486	543.4632	29.9074	548.0352	30.0663
539.0436	29.7539	543.6156	29.9127	548.1876	30.0716
539.196	29.7591	543.768	29.918	548.34	30.0768
539.3484	29.7644	543.9204	29.9233	548.4924	30.0821
539.5008	29.7697	544.0728	29.9286	548.6448	30.0874
539.6532	29.775	544.2252	29.9339	548.7972	30.0927
539.8056	29.7803	544.3776	29.9392	548.9496	30.098
539.958	29.7856	544.53	29.9445	549.102	30.1033
540.1104	29.7909	544.6824	29.9498	549.2544	30.1086
540.2628	29.7962	544.8348	29.9551	549.4068	30.1139
540.4152	29.8015	544.9872	29.9604	549.5592	30.1192
540.5676	29.8068	545.1396	29.9657	549.7116	30.1245
540.72	29.8121	545.292	29.9709	549.864	30.1298
540.8724	29.8174	545.4444	29.9762	550.0164	30.1351
541.0248	29.8227	545.5968	29.9815	550.1688	30.1404
541.1772	29.828	545.7492	29.9868	550.3212	30.1457

550.4736	30.151	555.0456	30.3098	559.6176	30.4687
550.626	30.1563	555.198	30.3151	559.77	30.474
550.7784	30.1616	555.3504	30.3204	559.9224	30.4793
550.9308	30.1669	555.5028	30.3257	560.0748	30.4846
551.0832	30.1722	555.6552	30.331	560.2272	30.4899
551.2356	30.1775	555.8076	30.3363	560.3796	30.4951
551.388	30.1827	555.96	30.3416	560.532	30.5004
551.5404	30.188	556.1124	30.3469	560.6844	30.5057
551.6928	30.1933	556.2648	30.3522	560.8368	30.511
551.8452	30.1986	556.4172	30.3575	560.9892	30.5163
551.9976	30.2039	556.5696	30.3628	561.1416	30.5216
552.15	30.2092	556.722	30.3681	561.294	30.5269
552.3024	30.2145	556.8744	30.3734	561.4464	30.5322
552.4548	30.2198	557.0268	30.3787	561.5988	30.5375
552.6072	30.2251	557.1792	30.384	561.7512	30.5428
552.7596	30.2304	557.3316	30.3892	561.9036	30.5481
552.912	30.2357	557.484	30.3945	562.056	30.5534
553.0644	30.241	557.6364	30.3998	562.2084	30.5587
553.2168	30.2463	557.7888	30.4051	562.3608	30.564
553.3692	30.2516	557.9412	30.4104	562.5132	30.5693
553.5216	30.2569	558.0936	30.4157	562.6656	30.5746
553.674	30.2622	558.246	30.421	562.818	30.5799
553.8264	30.2675	558.3984	30.4263	562.9704	30.5852
553.9788	30.2728	558.5508	30.4316	563.1228	30.5905
554.1312	30.2781	558.7032	30.4369	563.2752	30.5958
554.2836	30.2834	558.8556	30.4422	563.4276	30.601
554.436	30.2886	559.008	30.4475	563.58	30.6063
554.5884	30.2939	559.1604	30.4528	563.7324	30.6116
554.7408	30.2992	559.3128	30.4581	563.8848	30.6169
554.8932	30.3045	559.4652	30.4634	564.0372	30.6222

564.1896	30.6275	568.7616	30.7864	573.3336	30.9452
564.342	30.6328	568.914	30.7917	573.486	30.9505
564.4944	30.6381	569.0664	30.797	573.6384	30.9558
564.6468	30.6434	569.2188	30.8023	573.7908	30.9611
564.7992	30.6487	569.3712	30.8076	573.9432	30.9664
564.9516	30.654	569.5236	30.8128	574.0956	30.9717
565.104	30.6593	569.676	30.8181	574.248	30.977
565.2564	30.6646	569.8284	30.8234	574.4004	30.9823
565.4088	30.6699	569.9808	30.8287	574.5528	30.9876
565.5612	30.6752	570.1332	30.834	574.7052	30.9929
565.7136	30.6805	570.2856	30.8393	574.8576	30.9982
565.866	30.6858	570.438	30.8446	575.01	31.0035
566.0184	30.6911	570.5904	30.8499	575.1624	31.0088
566.1708	30.6964	570.7428	30.8552	575.3148	31.0141
566.3232	30.7017	570.8952	30.8605	575.4672	31.0194
566.4756	30.7069	571.0476	30.8658	575.6196	31.0246
566.628	30.7122	571.2	30.8711	575.772	31.0299
566.7804	30.7175	571.3524	30.8764	575.9244	31.0352
566.9328	30.7228	571.5048	30.8817	576.0768	31.0405
567.0852	30.7281	571.6572	30.887	576.2292	31.0458
567.2376	30.7334	571.8096	30.8923	576.3816	31.0511
567.39	30.7387	571.962	30.8976	576.534	31.0564
567.5424	30.744	572.1144	30.9029	576.6864	31.0617
567.6948	30.7493	572.2668	30.9082	576.8388	31.067
567.8472	30.7546	572.4192	30.9135	576.9912	31.0723
567.9996	30.7599	572.5716	30.9187	577.1436	31.0776
568.152	30.7652	572.724	30.924	577.296	31.0829
568.3044	30.7705	572.8764	30.9293	577.4484	31.0882
568.4568	30.7758	573.0288	30.9346	577.6008	31.0935
568.6092	30.7811	573.1812	30.9399	577.7532	31.0988

577.9056	31.1041	582.4776	31.2629	587.0496	31.4218
578.058	31.1094	582.63	31.2682	587.202	31.4271
578.2104	31.1147	582.7824	31.2735	587.3544	31.4324
578.3628	31.12	582.9348	31.2788	587.5068	31.4377
578.5152	31.1252	583.0872	31.2841	587.6592	31.4429
578.6676	31.1305	583.2396	31.2894	587.8116	31.4482
578.82	31.1358	583.392	31.2947	587.964	31.4535
578.9724	31.1411	583.5444	31.3	588.1164	31.4588
579.1248	31.1464	583.6968	31.3053	588.2688	31.4641
579.2772	31.1517	583.8492	31.3106	588.4212	31.4694
579.4296	31.157	584.0016	31.3159	588.5736	31.4747
579.582	31.1623	584.154	31.3212	588.726	31.48
579.7344	31.1676	584.3064	31.3265	588.8784	31.4853
579.8868	31.1729	584.4588	31.3318	589.0308	31.4906
580.0392	31.1782	584.6112	31.337	589.1832	31.4959
580.1916	31.1835	584.7636	31.3423	589.3356	31.5012
580.344	31.1888	584.916	31.3476	589.488	31.5065
580.4964	31.1941	585.0684	31.3529	589.6404	31.5118
580.6488	31.1994	585.2208	31.3582	589.7928	31.5171
580.8012	31.2047	585.3732	31.3635	589.9452	31.5224
580.9536	31.21	585.5256	31.3688	590.0976	31.5277
581.106	31.2153	585.678	31.3741	590.25	31.533
581.2584	31.2206	585.8304	31.3794	590.4024	31.5383
581.4108	31.2259	585.9828	31.3847	590.5548	31.5436
581.5632	31.2311	586.1352	31.39	590.7072	31.5488
581.7156	31.2364	586.2876	31.3953	590.8596	31.5541
581.868	31.2417	586.44	31.4006	591.012	31.5594
582.0204	31.247	586.5924	31.4059	591.1644	31.5647
582.1728	31.2523	586.7448	31.4112	591.3168	31.57
582.3252	31.2576	586.8972	31.4165	591.4692	31.5753

591.6216	31.5806	596.1936	31.7395	600.7656	31.8983
591.774	31.5859	596.346	31.7448	600.918	31.9036
591.9264	31.5912	596.4984	31.7501	601.0704	31.9089
592.0788	31.5965	596.6508	31.7554	601.2228	31.9142
592.2312	31.6018	596.8032	31.7606	601.3752	31.9195
592.3836	31.6071	596.9556	31.7659	601.5276	31.9248
592.536	31.6124	597.108	31.7712	601.68	31.9301
592.6884	31.6177	597.2604	31.7765	601.8324	31.9354
592.8408	31.623	597.4128	31.7818	601.9848	31.9407
592.9932	31.6283	597.5652	31.7871	602.1372	31.946
593.1456	31.6336	597.7176	31.7924	602.2896	31.9513
593.298	31.6389	597.87	31.7977	602.442	31.9566
593.4504	31.6442	598.0224	31.803	602.5944	31.9619
593.6028	31.6495	598.1748	31.8083	602.7468	31.9671
593.7552	31.6547	598.3272	31.8136	602.8992	31.9724
593.9076	31.66	598.4796	31.8189	603.0516	31.9777
594.06	31.6653	598.632	31.8242	603.204	31.983
594.2124	31.6706	598.7844	31.8295	603.3564	31.9883
594.3648	31.6759	598.9368	31.8348	603.5088	31.9936
594.5172	31.6812	599.0892	31.8401	603.6612	31.9989
594.6696	31.6865	599.2416	31.8454	603.8136	32.0042
594.822	31.6918	599.394	31.8507	603.966	32.0095
594.9744	31.6971	599.5464	31.856	604.1184	32.0148
595.1268	31.7024	599.6988	31.8612	604.2708	32.0201
595.2792	31.7077	599.8512	31.8665	604.4232	32.0254
595.4316	31.713	600.0036	31.8718	604.5756	32.0307
595.584	31.7183	600.156	31.8771	604.728	32.036
595.7364	31.7236	600.3084	31.8824	604.8804	32.0413
595.8888	31.7289	600.4608	31.8877	605.0328	32.0466
596.0412	31.7342	600.6132	31.893	605.1852	32.0519

605.3376	32.0572	609.9096	32.216	614.4816	32.3749
605.49	32.0625	610.062	32.2213	614.634	32.3802
605.6424	32.0678	610.2144	32.2266	614.7864	32.3855
605.7948	32.073	610.3668	32.2319	614.9388	32.3907
605.9472	32.0783	610.5192	32.2372	615.0912	32.396
606.0996	32.0836	610.6716	32.2425	615.2436	32.4013
606.252	32.0889	610.824	32.2478	615.396	32.4066
606.4044	32.0942	610.9764	32.2531	615.5484	32.4119
606.5568	32.0995	611.1288	32.2584	615.7008	32.4172
606.7092	32.1048	611.2812	32.2637	615.8532	32.4225
606.8616	32.1101	611.4336	32.269	616.0056	32.4278
607.014	32.1154	611.586	32.2743	616.158	32.4331
607.1664	32.1207	611.7384	32.2796	616.3104	32.4384
607.3188	32.126	611.8908	32.2848	616.4628	32.4437
607.4712	32.1313	612.0432	32.2901	616.6152	32.449
607.6236	32.1366	612.1956	32.2954	616.7676	32.4543
607.776	32.1419	612.348	32.3007	616.92	32.4596
607.9284	32.1472	612.5004	32.306	617.0724	32.4649
608.0808	32.1525	612.6528	32.3113	617.2248	32.4702
608.2332	32.1578	612.8052	32.3166	617.3772	32.4755
608.3856	32.1631	612.9576	32.3219	617.5296	32.4808
608.538	32.1684	613.11	32.3272	617.682	32.4861
608.6904	32.1737	613.2624	32.3325	617.8344	32.4914
608.8428	32.1789	613.4148	32.3378	617.9868	32.4966
608.9952	32.1842	613.5672	32.3431	618.1392	32.5019
609.1476	32.1895	613.7196	32.3484	618.2916	32.5072
609.3	32.1948	613.872	32.3537	618.444	32.5125
609.4524	32.2001	614.0244	32.359	618.5964	32.5178
609.6048	32.2054	614.1768	32.3643	618.7488	32.5231
609.7572	32.2107	614.3292	32.3696	618.9012	32.5284

619.0536	32.5337	623.6256	32.6926	628.1976	32.8514
619.206	32.539	623.778	32.6979	628.35	32.8567
619.3584	32.5443	623.9304	32.7032	628.5024	32.862
619.5108	32.5496	624.0828	32.7084	628.6548	32.8673
619.6632	32.5549	624.2352	32.7137	628.8072	32.8726
619.8156	32.5602	624.3876	32.719	628.9596	32.8779
619.968	32.5655	624.54	32.7243	629.112	32.8832
620.1204	32.5708	624.6924	32.7296	629.2644	32.8885
620.2728	32.5761	624.8448	32.7349	629.4168	32.8938
620.4252	32.5814	624.9972	32.7402	629.5692	32.8991
620.5776	32.5867	625.1496	32.7455	629.7216	32.9044
620.73	32.592	625.302	32.7508	629.874	32.9097
620.8824	32.5973	625.4544	32.7561	630.0264	32.9149
621.0348	32.6025	625.6068	32.7614	630.1788	32.9202
621.1872	32.6078	625.7592	32.7667	630.3312	32.9255
621.3396	32.6131	625.9116	32.772	630.4836	32.9308
621.492	32.6184	626.064	32.7773	630.636	32.9361
621.6444	32.6237	626.2164	32.7826	630.7884	32.9414
621.7968	32.629	626.3688	32.7879	630.9408	32.9467
621.9492	32.6343	626.5212	32.7932	631.0932	32.952
622.1016	32.6396	626.6736	32.7985	631.2456	32.9573
622.254	32.6449	626.826	32.8038	631.398	32.9626
622.4064	32.6502	626.9784	32.809	631.5504	32.9679
622.5588	32.6555	627.1308	32.8143	631.7028	32.9732
622.7112	32.6608	627.2832	32.8196	631.8552	32.9785
622.8636	32.6661	627.4356	32.8249	632.0076	32.9838
623.016	32.6714	627.588	32.8302	632.16	32.9891
623.1684	32.6767	627.7404	32.8355	632.3124	32.9944
623.3208	32.682	627.8928	32.8408	632.4648	32.9997
623.4732	32.6873	628.0452	32.8461	632.6172	33.005

632.7696	33.0103	637.3416	33.1691	641.9136	33.328
632.922	33.0156	637.494	33.1744	642.066	33.3333
633.0744	33.0208	637.6464	33.1797	642.2184	33.3385
633.2268	33.0261	637.7988	33.185	642.3708	33.3438
633.3792	33.0314	637.9512	33.1903	642.5232	33.3491
633.5316	33.0367	638.1036	33.1956	642.6756	33.3544
633.684	33.042	638.256	33.2009	642.828	33.3597
633.8364	33.0473	638.4084	33.2062	642.9804	33.365
633.9888	33.0526	638.5608	33.2115	643.1328	33.3703
634.1412	33.0579	638.7132	33.2168	643.2852	33.3756
634.2936	33.0632	638.8656	33.2221	643.4376	33.3809
634.446	33.0685	639.018	33.2274	643.59	33.3862
634.5984	33.0738	639.1704	33.2326	643.7424	33.3915
634.7508	33.0791	639.3228	33.2379	643.8948	33.3968
634.9032	33.0844	639.4752	33.2432	644.0472	33.4021
635.0556	33.0897	639.6276	33.2485	644.1996	33.4074
635.208	33.095	639.78	33.2538	644.352	33.4127
635.3604	33.1003	639.9324	33.2591	644.5044	33.418
635.5128	33.1056	640.0848	33.2644	644.6568	33.4233
635.6652	33.1109	640.2372	33.2697	644.8092	33.4286
635.8176	33.1162	640.3896	33.275	644.9616	33.4339
635.97	33.1215	640.542	33.2803	645.114	33.4392
636.1224	33.1267	640.6944	33.2856	645.2664	33.4444
636.2748	33.132	640.8468	33.2909	645.4188	33.4497
636.4272	33.1373	640.9992	33.2962	645.5712	33.455
636.5796	33.1426	641.1516	33.3015	645.7236	33.4603
636.732	33.1479	641.304	33.3068	645.876	33.4656
636.8844	33.1532	641.4564	33.3121	646.0284	33.4709
637.0368	33.1585	641.6088	33.3174	646.1808	33.4762
637.1892	33.1638	641.7612	33.3227	646.3332	33.4815

646.4856	33.4868	651.0576	33.6457	655.6296	33.8045
646.638	33.4921	651.21	33.6509	655.782	33.8098
646.7904	33.4974	651.3624	33.6562	655.9344	33.8151
646.9428	33.5027	651.5148	33.6615	656.0868	33.8204
647.0952	33.508	651.6672	33.6668	656.2392	33.8257
647.2476	33.5133	651.8196	33.6721	656.3916	33.831
647.4	33.5186	651.972	33.6774	656.544	33.8363
647.5524	33.5239	652.1244	33.6827	656.6964	33.8416
647.7048	33.5292	652.2768	33.688	656.8488	33.8469
647.8572	33.5345	652.4292	33.6933	657.0012	33.8522
648.0096	33.5398	652.5816	33.6986	657.1536	33.8575
648.162	33.545	652.734	33.7039	657.306	33.8627
648.3144	33.5503	652.8864	33.7092	657.4584	33.868
648.4668	33.5556	653.0388	33.7145	657.6108	33.8733
648.6192	33.5609	653.1912	33.7198	657.7632	33.8786
648.7716	33.5662	653.3436	33.7251	657.9156	33.8839
648.924	33.5715	653.496	33.7304	658.068	33.8892
649.0764	33.5768	653.6484	33.7357	658.2204	33.8945
649.2288	33.5821	653.8008	33.741	658.3728	33.8998
649.3812	33.5874	653.9532	33.7463	658.5252	33.9051
649.5336	33.5927	654.1056	33.7516	658.6776	33.9104
649.686	33.598	654.258	33.7568	658.83	33.9157
649.8384	33.6033	654.4104	33.7621	658.9824	33.921
649.9908	33.6086	654.5628	33.7674	659.1348	33.9263
650.1432	33.6139	654.7152	33.7727	659.2872	33.9316
650.2956	33.6192	654.8676	33.778	659.4396	33.9369
650.448	33.6245	655.02	33.7833	659.592	33.9422
650.6004	33.6298	655.1724	33.7886	659.7444	33.9475
650.7528	33.6351	655.3248	33.7939	659.8968	33.9528
650.9052	33.6404	655.4772	33.7992	660.0492	33.9581

660.2016	33.9634	664.7736	34.1222	669.3456	34.281
660.354	33.9686	664.926	34.1275	669.498	34.2863
660.5064	33.9739	665.0784	34.1328	669.6504	34.2916
660.6588	33.9792	665.2308	34.1381	669.8028	34.2969
660.8112	33.9845	665.3832	34.1434	669.9552	34.3022
660.9636	33.9898	665.5356	34.1487	670.1076	34.3075
661.116	33.9951	665.688	34.154	670.26	34.3128
661.2684	34.0004	665.8404	34.1593	670.4124	34.3181
661.4208	34.0057	665.9928	34.1646	670.5648	34.3234
661.5732	34.011	666.1452	34.1699	670.7172	34.3287
661.7256	34.0163	666.2976	34.1752	670.8696	34.334
661.878	34.0216	666.45	34.1804	671.022	34.3393
662.0304	34.0269	666.6024	34.1857	671.1744	34.3446
662.1828	34.0322	666.7548	34.191	671.3268	34.3499
662.3352	34.0375	666.9072	34.1963	671.4792	34.3552
662.4876	34.0428	667.0596	34.2016	671.6316	34.3605
662.64	34.0481	667.212	34.2069	671.784	34.3658
662.7924	34.0534	667.3644	34.2122	671.9364	34.3711
662.9448	34.0587	667.5168	34.2175	672.0888	34.3764
663.0972	34.064	667.6692	34.2228	672.2412	34.3817
663.2496	34.0693	667.8216	34.2281	672.3936	34.3869
663.402	34.0745	667.974	34.2334	672.546	34.3922
663.5544	34.0798	668.1264	34.2387	672.6984	34.3975
663.7068	34.0851	668.2788	34.244	672.8508	34.4028
663.8592	34.0904	668.4312	34.2493	673.0032	34.4081
664.0116	34.0957	668.5836	34.2546	673.1556	34.4134
664.164	34.101	668.736	34.2599	673.308	34.4187
664.3164	34.1063	668.8884	34.2652	673.4604	34.424
664.4688	34.1116	669.0408	34.2705	673.6128	34.4293
664.6212	34.1169	669.1932	34.2758	673.7652	34.4346

673.9176	34.4399	678.4896	34.5987	683.0616	34.7576
674.07	34.4452	678.642	34.604	683.214	34.7629
674.2224	34.4505	678.7944	34.6093	683.3664	34.7682
674.3748	34.4558	678.9468	34.6146	683.5188	34.7735
674.5272	34.4611	679.0992	34.6199	683.6712	34.7788
674.6796	34.4664	679.2516	34.6252	683.8236	34.7841
674.832	34.4717	679.404	34.6305	683.976	34.7894
674.9844	34.477	679.5564	34.6358	684.1284	34.7947
675.1368	34.4823	679.7088	34.6411	684.2808	34.8
675.2892	34.4876	679.8612	34.6464	684.4332	34.8053
675.4416	34.4928	680.0136	34.6517	684.5856	34.8105
675.594	34.4981	680.166	34.657	684.738	34.8158
675.7464	34.5034	680.3184	34.6623	684.8904	34.8211
675.8988	34.5087	680.4708	34.6676	685.0428	34.8264
676.0512	34.514	680.6232	34.6729	685.1952	34.8317
676.2036	34.5193	680.7756	34.6782	685.3476	34.837
676.356	34.5246	680.928	34.6835	685.5	34.8423
676.5084	34.5299	681.0804	34.6888	685.6524	34.8476
676.6608	34.5352	681.2328	34.6941	685.8048	34.8529
676.8132	34.5405	681.3852	34.6994	685.9572	34.8582
676.9656	34.5458	681.5376	34.7046	686.1096	34.8635
677.118	34.5511	681.69	34.7099	686.262	34.8688
677.2704	34.5564	681.8424	34.7152	686.4144	34.8741
677.4228	34.5617	681.9948	34.7205	686.5668	34.8794
677.5752	34.567	682.1472	34.7258	686.7192	34.8847
677.7276	34.5723	682.2996	34.7311	686.8716	34.89
677.88	34.5776	682.452	34.7364	687.024	34.8953
678.0324	34.5829	682.6044	34.7417	687.1764	34.9006
678.1848	34.5882	682.7568	34.747	687.3288	34.9059
678.3372	34.5935	682.9092	34.7523	687.4812	34.9112

687.6336	34.9164	692.2056	35.0753	696.7776	35.2341
687.786	34.9217	692.358	35.0806	696.93	35.2394
687.9384	34.927	692.5104	35.0859	697.0824	35.2447
688.0908	34.9323	692.6628	35.0912	697.2348	35.25
688.2432	34.9376	692.8152	35.0965	697.3872	35.2553
688.3956	34.9429	692.9676	35.1018	697.5396	35.2606
688.548	34.9482	693.12	35.1071	697.692	35.2659
688.7004	34.9535	693.2724	35.1124	697.8444	35.2712
688.8528	34.9588	693.4248	35.1177	697.9968	35.2765
689.0052	34.9641	693.5772	35.1229	698.1492	35.2818
689.1576	34.9694	693.7296	35.1282	698.3016	35.2871
689.31	34.9747	693.882	35.1335	698.454	35.2924
689.4624	34.98	694.0344	35.1388	698.6064	35.2977
689.6148	34.9853	694.1868	35.1441	698.7588	35.303
689.7672	34.9906	694.3392	35.1494	698.9112	35.3083
689.9196	34.9959	694.4916	35.1547	699.0636	35.3136
690.072	35.0012	694.644	35.16	699.216	35.3189
690.2244	35.0065	694.7964	35.1653	699.3684	35.3242
690.3768	35.0118	694.9488	35.1706	699.5208	35.3295
690.5292	35.017	695.1012	35.1759	699.6732	35.3347
690.6816	35.0223	695.2536	35.1812	699.8256	35.34
690.834	35.0276	695.406	35.1865	699.978	35.3453
690.9864	35.0329	695.5584	35.1918	700.1304	35.3506
691.1388	35.0382	695.7108	35.1971	700.2828	35.3559
691.2912	35.0435	695.8632	35.2024	700.4352	35.3612
691.4436	35.0488	696.0156	35.2077	700.5876	35.3665
691.596	35.0541	696.168	35.213	700.74	35.3718
691.7484	35.0594	696.3204	35.2183	700.8924	35.3771
691.9008	35.0647	696.4728	35.2236	701.0448	35.3824
692.0532	35.07	696.6252	35.2288	701.1972	35.3877

701.3496	35.393	705.9216	35.5518	710.4936	35.7107
701.502	35.3983	706.074	35.5571	710.646	35.716
701.6544	35.4036	706.2264	35.5624	710.7984	35.7213
701.8068	35.4089	706.3788	35.5677	710.9508	35.7266
701.9592	35.4142	706.5312	35.573	711.1032	35.7319
702.1116	35.4195	706.6836	35.5783	711.2556	35.7372
702.264	35.4248	706.836	35.5836	711.408	35.7425
702.4164	35.4301	706.9884	35.5889	711.5604	35.7478
702.5688	35.4354	707.1408	35.5942	711.7128	35.7531
702.7212	35.4406	707.2932	35.5995	711.8652	35.7583
702.8736	35.4459	707.4456	35.6048	712.0176	35.7636
703.026	35.4512	707.598	35.6101	712.17	35.7689
703.1784	35.4565	707.7504	35.6154	712.3224	35.7742
703.3308	35.4618	707.9028	35.6207	712.4748	35.7795
703.4832	35.4671	708.0552	35.626	712.6272	35.7848
703.6356	35.4724	708.2076	35.6313	712.7796	35.7901
703.788	35.4777	708.36	35.6366	712.932	35.7954
703.9404	35.483	708.5124	35.6419	713.0844	35.8007
704.0928	35.4883	708.6648	35.6472	713.2368	35.806
704.2452	35.4936	708.8172	35.6524	713.3892	35.8113
704.3976	35.4989	708.9696	35.6577	713.5416	35.8166
704.55	35.5042	709.122	35.663	713.694	35.8219
704.7024	35.5095	709.2744	35.6683	713.8464	35.8272
704.8548	35.5148	709.4268	35.6736	713.9988	35.8325
705.0072	35.5201	709.5792	35.6789	714.1512	35.8378
705.1596	35.5254	709.7316	35.6842	714.3036	35.8431
705.312	35.5307	709.884	35.6895	714.456	35.8484
705.4644	35.536	710.0364	35.6948	714.6084	35.8537
705.6168	35.5413	710.1888	35.7001	714.7608	35.8589
705.7692	35.5465	710.3412	35.7054	714.9132	35.8642

715.0656	35.8695	719.6376	36.0284	724.2096	36.1872
715.218	35.8748	719.79	36.0337	724.362	36.1925
715.3704	35.8801	719.9424	36.039	724.5144	36.1978
715.5228	35.8854	720.0948	36.0443	724.6668	36.2031
715.6752	35.8907	720.2472	36.0496	724.8192	36.2084
715.8276	35.896	720.3996	36.0549	724.9716	36.2137
715.98	35.9013	720.552	36.0602	725.124	36.219
716.1324	35.9066	720.7044	36.0655	725.2764	36.2243
716.2848	35.9119	720.8568	36.0707	725.4288	36.2296
716.4372	35.9172	721.0092	36.076	725.5812	36.2349
716.5896	35.9225	721.1616	36.0813	725.7336	36.2402
716.742	35.9278	721.314	36.0866	725.886	36.2455
716.8944	35.9331	721.4664	36.0919	726.0384	36.2508
717.0468	35.9384	721.6188	36.0972	726.1908	36.2561
717.1992	35.9437	721.7712	36.1025	726.3432	36.2614
717.3516	35.949	721.9236	36.1078	726.4956	36.2667
717.504	35.9543	722.076	36.1131	726.648	36.272
717.6564	35.9596	722.2284	36.1184	726.8004	36.2773
717.8088	35.9648	722.3808	36.1237	726.9528	36.2825
717.9612	35.9701	722.5332	36.129	727.1052	36.2878
718.1136	35.9754	722.6856	36.1343	727.2576	36.2931
718.266	35.9807	722.838	36.1396	727.41	36.2984
718.4184	35.986	722.9904	36.1449	727.5624	36.3037
718.5708	35.9913	723.1428	36.1502	727.7148	36.309
718.7232	35.9966	723.2952	36.1555	727.8672	36.3143
718.8756	36.0019	723.4476	36.1608	728.0196	36.3196
719.028	36.0072	723.6	36.1661	728.172	36.3249
719.1804	36.0125	723.7524	36.1714	728.3244	36.3302
719.3328	36.0178	723.9048	36.1766	728.4768	36.3355
719.4852	36.0231	724.0572	36.1819	728.6292	36.3408

728.7816	36.3461	733.3536	36.5049	737.9256	36.6638
728.934	36.3514	733.506	36.5102	738.078	36.6691
729.0864	36.3567	733.6584	36.5155	738.2304	36.6744
729.2388	36.362	733.8108	36.5208	738.3828	36.6797
729.3912	36.3673	733.9632	36.5261	738.5352	36.685
729.5436	36.3726	734.1156	36.5314	738.6876	36.6903
729.696	36.3779	734.268	36.5367	738.84	36.6956
729.8484	36.3832	734.4204	36.542	738.9924	36.7008
730.0008	36.3884	734.5728	36.5473	739.1448	36.7061
730.1532	36.3937	734.7252	36.5526	739.2972	36.7114
730.3056	36.399	734.8776	36.5579	739.4496	36.7167
730.458	36.4043	735.03	36.5632	739.602	36.722
730.6104	36.4096	735.1824	36.5685	739.7544	36.7273
730.7628	36.4149	735.3348	36.5738	739.9068	36.7326
730.9152	36.4202	735.4872	36.5791	740.0592	36.7379
731.0676	36.4255	735.6396	36.5844	740.2116	36.7432
731.22	36.4308	735.792	36.5897	740.364	36.7485
731.3724	36.4361	735.9444	36.5949	740.5164	36.7538
731.5248	36.4414	736.0968	36.6002	740.6688	36.7591
731.6772	36.4467	736.2492	36.6055	740.8212	36.7644
731.8296	36.452	736.4016	36.6108	740.9736	36.7697
731.982	36.4573	736.554	36.6161	741.126	36.775
732.1344	36.4626	736.7064	36.6214	741.2784	36.7803
732.2868	36.4679	736.8588	36.6267	741.4308	36.7856
732.4392	36.4732	737.0112	36.632	741.5832	36.7909
732.5916	36.4785	737.1636	36.6373	741.7356	36.7962
732.744	36.4838	737.316	36.6426	741.888	36.8015
732.8964	36.4891	737.4684	36.6479	742.0404	36.8067
733.0488	36.4943	737.6208	36.6532	742.1928	36.812
733.2012	36.4996	737.7732	36.6585	742.3452	36.8173

742.4976	36.8226	747.0696	36.9815	751.6416	37.1403
742.65	36.8279	747.222	36.9868	751.794	37.1456
742.8024	36.8332	747.3744	36.9921	751.9464	37.1509
742.9548	36.8385	747.5268	36.9974	752.0988	37.1562
743.1072	36.8438	747.6792	37.0027	752.2512	37.1615
743.2596	36.8491	747.8316	37.008	752.4036	37.1668
743.412	36.8544	747.984	37.0133	752.556	37.1721
743.5644	36.8597	748.1364	37.0185	752.7084	37.1774
743.7168	36.865	748.2888	37.0238	752.8608	37.1827
743.8692	36.8703	748.4412	37.0291	753.0132	37.188
744.0216	36.8756	748.5936	37.0344	753.1656	37.1933
744.174	36.8809	748.746	37.0397	753.318	37.1986
744.3264	36.8862	748.8984	37.045	753.4704	37.2039
744.4788	36.8915	749.0508	37.0503	753.6228	37.2092
744.6312	36.8968	749.2032	37.0556	753.7752	37.2145
744.7836	36.9021	749.3556	37.0609	753.9276	37.2198
744.936	36.9074	749.508	37.0662	754.08	37.2251
745.0884	36.9126	749.6604	37.0715	754.2324	37.2303
745.2408	36.9179	749.8128	37.0768	754.3848	37.2356
745.3932	36.9232	749.9652	37.0821	754.5372	37.2409
745.5456	36.9285	750.1176	37.0874	754.6896	37.2462
745.698	36.9338	750.27	37.0927	754.842	37.2515
745.8504	36.9391	750.4224	37.098	754.9944	37.2568
746.0028	36.9444	750.5748	37.1033	755.1468	37.2621
746.1552	36.9497	750.7272	37.1086	755.2992	37.2674
746.3076	36.955	750.8796	37.1139	755.4516	37.2727
746.46	36.9603	751.032	37.1192	755.604	37.278
746.6124	36.9656	751.1844	37.1244	755.7564	37.2833
746.7648	36.9709	751.3368	37.1297	755.9088	37.2886
746.9172	36.9762	751.4892	37.135	756.0612	37.2939

756.2136	37.2992	760.7856	37.458	765.3576	37.6169
756.366	37.3045	760.938	37.4633	765.51	37.6222
756.5184	37.3098	761.0904	37.4686	765.6624	37.6275
756.6708	37.3151	761.2428	37.4739	765.8148	37.6328
756.8232	37.3204	761.3952	37.4792	765.9672	37.6381
756.9756	37.3257	761.5476	37.4845	766.1196	37.6434
757.128	37.3309	761.7	37.4898	766.272	37.6486
757.2804	37.3362	761.8524	37.4951	766.4244	37.6539
757.4328	37.3415	762.0048	37.5004	766.5768	37.6592
757.5852	37.3468	762.1572	37.5057	766.7292	37.6645
757.7376	37.3521	762.3096	37.511	766.8816	37.6698
757.89	37.3574	762.462	37.5163	767.034	37.6751
758.0424	37.3627	762.6144	37.5216	767.1864	37.6804
758.1948	37.368	762.7668	37.5269	767.3388	37.6857
758.3472	37.3733	762.9192	37.5322	767.4912	37.691
758.4996	37.3786	763.0716	37.5375	767.6436	37.6963
758.652	37.3839	763.224	37.5427	767.796	37.7016
758.8044	37.3892	763.3764	37.548	767.9484	37.7069
758.9568	37.3945	763.5288	37.5533	768.1008	37.7122
759.1092	37.3998	763.6812	37.5586	768.2532	37.7175
759.2616	37.4051	763.8336	37.5639	768.4056	37.7228
759.414	37.4104	763.986	37.5692	768.558	37.7281
759.5664	37.4157	764.1384	37.5745	768.7104	37.7334
759.7188	37.421	764.2908	37.5798	768.8628	37.7387
759.8712	37.4263	764.4432	37.5851	769.0152	37.744
760.0236	37.4316	764.5956	37.5904	769.1676	37.7493
760.176	37.4369	764.748	37.5957	769.32	37.7545
760.3284	37.4421	764.9004	37.601	769.4724	37.7598
760.4808	37.4474	765.0528	37.6063	769.6248	37.7651
760.6332	37.4527	765.2052	37.6116	769.7772	37.7704

769.9296	37.7757	774.5016	37.9346	779.0736	38.0934
770.082	37.781	774.654	37.9399	779.226	38.0987
770.2344	37.7863	774.8064	37.9452	779.3784	38.104
770.3868	37.7916	774.9588	37.9505	779.5308	38.1093
770.5392	37.7969	775.1112	37.9558	779.6832	38.1146
770.6916	37.8022	775.2636	37.9611	779.8356	38.1199
770.844	37.8075	775.416	37.9663	779.988	38.1252
770.9964	37.8128	775.5684	37.9716	780.1404	38.1305
771.1488	37.8181	775.7208	37.9769	780.2928	38.1358
771.3012	37.8234	775.8732	37.9822	780.4452	38.1411
771.4536	37.8287	776.0256	37.9875	780.5976	38.1464
771.606	37.834	776.178	37.9928	780.75	38.1517
771.7584	37.8393	776.3304	37.9981	780.9024	38.157
771.9108	37.8446	776.4828	38.0034	781.0548	38.1623
772.0632	37.8499	776.6352	38.0087	781.2072	38.1676
772.2156	37.8552	776.7876	38.014	781.3596	38.1729
772.368	37.8604	776.94	38.0193	781.512	38.1781
772.5204	37.8657	777.0924	38.0246	781.6644	38.1834
772.6728	37.871	777.2448	38.0299	781.8168	38.1887
772.8252	37.8763	777.3972	38.0352	781.9692	38.194
772.9776	37.8816	777.5496	38.0405	782.1216	38.1993
773.13	37.8869	777.702	38.0458	782.274	38.2046
773.2824	37.8922	777.8544	38.0511	782.4264	38.2099
773.4348	37.8975	778.0068	38.0564	782.5788	38.2152
773.5872	37.9028	778.1592	38.0617	782.7312	38.2205
773.7396	37.9081	778.3116	38.0669	782.8836	38.2258
773.892	37.9134	778.464	38.0722	783.036	38.2311
774.0444	37.9187	778.6164	38.0775	783.1884	38.2364
774.1968	37.924	778.7688	38.0828	783.3408	38.2417
774.3492	37.9293	778.9212	38.0881	783.4932	38.247

783.6456	38.2523	788.2176	38.4111	792.7896	38.57
783.798	38.2576	788.37	38.4164	792.942	38.5753
783.9504	38.2629	788.5224	38.4217	793.0944	38.5806
784.1028	38.2682	788.6748	38.427	793.2468	38.5859
784.2552	38.2735	788.8272	38.4323	793.3992	38.5912
784.4076	38.2787	788.9796	38.4376	793.5516	38.5964
784.56	38.284	789.132	38.4429	793.704	38.6017
784.7124	38.2893	789.2844	38.4482	793.8564	38.607
784.8648	38.2946	789.4368	38.4535	794.0088	38.6123
785.0172	38.2999	789.5892	38.4588	794.1612	38.6176
785.1696	38.3052	789.7416	38.4641	794.3136	38.6229
785.322	38.3105	789.894	38.4694	794.466	38.6282
785.4744	38.3158	790.0464	38.4747	794.6184	38.6335
785.6268	38.3211	790.1988	38.48	794.7708	38.6388
785.7792	38.3264	790.3512	38.4853	794.9232	38.6441
785.9316	38.3317	790.5036	38.4905	795.0756	38.6494
786.084	38.337	790.656	38.4958	795.228	38.6547
786.2364	38.3423	790.8084	38.5011	795.3804	38.66
786.3888	38.3476	790.9608	38.5064	795.5328	38.6653
786.5412	38.3529	791.1132	38.5117	795.6852	38.6706
786.6936	38.3582	791.2656	38.517	795.8376	38.6759
786.846	38.3635	791.418	38.5223	795.99	38.6812
786.9984	38.3688	791.5704	38.5276	796.1424	38.6865
787.1508	38.3741	791.7228	38.5329	796.2948	38.6918
787.3032	38.3794	791.8752	38.5382	796.4472	38.6971
787.4556	38.3847	792.0276	38.5435	796.5996	38.7023
787.608	38.3899	792.18	38.5488	796.752	38.7076
787.7604	38.3952	792.3324	38.5541	796.9044	38.7129
787.9128	38.4005	792.4848	38.5594	797.0568	38.7182
788.0652	38.4058	792.6372	38.5647	797.2092	38.7235

797.3616	38.7288	801.9336	38.8877	806.5056	39.0465
797.514	38.7341	802.086	38.893	806.658	39.0518
797.6664	38.7394	802.2384	38.8983	806.8104	39.0571
797.8188	38.7447	802.3908	38.9036	806.9628	39.0624
797.9712	38.75	802.5432	38.9089	807.1152	39.0677
798.1236	38.7553	802.6956	38.9141	807.2676	39.073
798.276	38.7606	802.848	38.9194	807.42	39.0783
798.4284	38.7659	803.0004	38.9247	807.5724	39.0836
798.5808	38.7712	803.1528	38.93	807.7248	39.0889
798.7332	38.7765	803.3052	38.9353	807.8772	39.0942
798.8856	38.7818	803.4576	38.9406	808.0296	39.0995
799.038	38.7871	803.61	38.9459	808.182	39.1048
799.1904	38.7924	803.7624	38.9512	808.3344	39.1101
799.3428	38.7977	803.9148	38.9565	808.4868	39.1154
799.4952	38.8029	804.0672	38.9618	808.6392	39.1207
799.6476	38.8082	804.2196	38.9671	808.7916	39.1259
799.8	38.8135	804.372	38.9724	808.944	39.1312
799.9524	38.8188	804.5244	38.9777	809.0964	39.1365
800.1048	38.8241	804.6768	38.983	809.2488	39.1418
800.2572	38.8294	804.8292	38.9883	809.4012	39.1471
800.4096	38.8347	804.9816	38.9936	809.5536	39.1524
800.562	38.84	805.134	38.9989	809.706	39.1577
800.7144	38.8453	805.2864	39.0042	809.8584	39.163
800.8668	38.8506	805.4388	39.0095	810.0108	39.1683
801.0192	38.8559	805.5912	39.0147	810.1632	39.1736
801.1716	38.8612	805.7436	39.02	810.3156	39.1789
801.324	38.8665	805.896	39.0253	810.468	39.1842
801.4764	38.8718	806.0484	39.0306	810.6204	39.1895
801.6288	38.8771	806.2008	39.0359	810.7728	39.1948
801.7812	38.8824	806.3532	39.0412	810.9252	39.2001

811.0776	39.2054	815.6496	39.3642	820.2216	39.5231
811.23	39.2107	815.802	39.3695	820.374	39.5284
811.3824	39.216	815.9544	39.3748	820.5264	39.5337
811.5348	39.2213	816.1068	39.3801	820.6788	39.5389
811.6872	39.2265	816.2592	39.3854	820.8312	39.5442
811.8396	39.2318	816.4116	39.3907	820.9836	39.5495
811.992	39.2371	816.564	39.396	821.136	39.5548
812.1444	39.2424	816.7164	39.4013	821.2884	39.5601
812.2968	39.2477	816.8688	39.4066	821.4408	39.5654
812.4492	39.253	817.0212	39.4119	821.5932	39.5707
812.6016	39.2583	817.1736	39.4172	821.7456	39.576
812.754	39.2636	817.326	39.4225	821.898	39.5813
812.9064	39.2689	817.4784	39.4278	822.0504	39.5866
813.0588	39.2742	817.6308	39.4331	822.2028	39.5919
813.2112	39.2795	817.7832	39.4383	822.3552	39.5972
813.3636	39.2848	817.9356	39.4436	822.5076	39.6025
813.516	39.2901	818.088	39.4489	822.66	39.6078
813.6684	39.2954	818.2404	39.4542	822.8124	39.6131
813.8208	39.3007	818.3928	39.4595	822.9648	39.6184
813.9732	39.306	818.5452	39.4648	823.1172	39.6237
814.1256	39.3113	818.6976	39.4701	823.2696	39.629
814.278	39.3166	818.85	39.4754	823.422	39.6343
814.4304	39.3219	819.0024	39.4807	823.5744	39.6396
814.5828	39.3272	819.1548	39.486	823.7268	39.6449
814.7352	39.3325	819.3072	39.4913	823.8792	39.6501
814.8876	39.3377	819.4596	39.4966	824.0316	39.6554
815.04	39.343	819.612	39.5019	824.184	39.6607
815.1924	39.3483	819.7644	39.5072	824.3364	39.666
815.3448	39.3536	819.9168	39.5125	824.4888	39.6713
815.4972	39.3589	820.0692	39.5178	824.6412	39.6766

824.7936	39.6819	829.3656	39.8408	833.9376	39.9996
824.946	39.6872	829.518	39.8461	834.09	40.0049
825.0984	39.6925	829.6704	39.8514	834.2424	40.0102
825.2508	39.6978	829.8228	39.8567	834.3948	40.0155
825.4032	39.7031	829.9752	39.8619	834.5472	40.0208
825.5556	39.7084	830.1276	39.8672	834.6996	40.0261
825.708	39.7137	830.28	39.8725	834.852	40.0314
825.8604	39.719	830.4324	39.8778	835.0044	40.0367
826.0128	39.7243	830.5848	39.8831	835.1568	40.042
826.1652	39.7296	830.7372	39.8884	835.3092	40.0473
826.3176	39.7349	830.8896	39.8937	835.4616	40.0526
826.47	39.7402	831.042	39.899	835.614	40.0579
826.6224	39.7455	831.1944	39.9043	835.7664	40.0632
826.7748	39.7507	831.3468	39.9096	835.9188	40.0685
826.9272	39.756	831.4992	39.9149	836.0712	40.0737
827.0796	39.7613	831.6516	39.9202	836.2236	40.079
827.232	39.7666	831.804	39.9255	836.376	40.0843
827.3844	39.7719	831.9564	39.9308	836.5284	40.0896
827.5368	39.7772	832.1088	39.9361	836.6808	40.0949
827.6892	39.7825	832.2612	39.9414	836.8332	40.1002
827.8416	39.7878	832.4136	39.9467	836.9856	40.1055
827.994	39.7931	832.566	39.952	837.138	40.1108
828.1464	39.7984	832.7184	39.9573	837.2904	40.1161
828.2988	39.8037	832.8708	39.9625	837.4428	40.1214
828.4512	39.809	833.0232	39.9678	837.5952	40.1267
828.6036	39.8143	833.1756	39.9731	837.7476	40.132
828.756	39.8196	833.328	39.9784	837.9	40.1373
828.9084	39.8249	833.4804	39.9837	838.0524	40.1426
829.0608	39.8302	833.6328	39.989	838.2048	40.1479
829.2132	39.8355	833.7852	39.9943	838.3572	40.1532

838.5096	40.1585	843.0816	40.3173	847.6536	40.4762
838.662	40.1638	843.234	40.3226	847.806	40.4815
838.8144	40.1691	843.3864	40.3279	847.9584	40.4867
838.9668	40.1743	843.5388	40.3332	848.1108	40.492
839.1192	40.1796	843.6912	40.3385	848.2632	40.4973
839.2716	40.1849	843.8436	40.3438	848.4156	40.5026
839.424	40.1902	843.996	40.3491	848.568	40.5079
839.5764	40.1955	844.1484	40.3544	848.7204	40.5132
839.7288	40.2008	844.3008	40.3597	848.8728	40.5185
839.8812	40.2061	844.4532	40.365	849.0252	40.5238
840.0336	40.2114	844.6056	40.3703	849.1776	40.5291
840.186	40.2167	844.758	40.3756	849.33	40.5344
840.3384	40.222	844.9104	40.3809	849.4824	40.5397
840.4908	40.2273	845.0628	40.3861	849.6348	40.545
840.6432	40.2326	845.2152	40.3914	849.7872	40.5503
840.7956	40.2379	845.3676	40.3967	849.9396	40.5556
840.948	40.2432	845.52	40.402	850.092	40.5609
841.1004	40.2485	845.6724	40.4073	850.2444	40.5662
841.2528	40.2538	845.8248	40.4126	850.3968	40.5715
841.4052	40.2591	845.9772	40.4179	850.5492	40.5768
841.5576	40.2644	846.1296	40.4232	850.7016	40.5821
841.71	40.2697	846.282	40.4285	850.854	40.5874
841.8624	40.275	846.4344	40.4338	851.0064	40.5927
842.0148	40.2802	846.5868	40.4391	851.1588	40.5979
842.1672	40.2855	846.7392	40.4444	851.3112	40.6032
842.3196	40.2908	846.8916	40.4497	851.4636	40.6085
842.472	40.2961	847.044	40.455	851.616	40.6138
842.6244	40.3014	847.1964	40.4603	851.7684	40.6191
842.7768	40.3067	847.3488	40.4656	851.9208	40.6244
842.9292	40.312	847.5012	40.4709	852.0732	40.6297

852.2256	40.635	856.7976	40.7939	861.3696	40.9527
852.378	40.6403	856.95	40.7992	861.522	40.958
852.5304	40.6456	857.1024	40.8045	861.6744	40.9633
852.6828	40.6509	857.2548	40.8097	861.8268	40.9686
852.8352	40.6562	857.4072	40.815	861.9792	40.9739
852.9876	40.6615	857.5596	40.8203	862.1316	40.9792
853.14	40.6668	857.712	40.8256	862.284	40.9845
853.2924	40.6721	857.8644	40.8309	862.4364	40.9898
853.4448	40.6774	858.0168	40.8362	862.5888	40.9951
853.5972	40.6827	858.1692	40.8415	862.7412	41.0004
853.7496	40.688	858.3216	40.8468	862.8936	41.0057
853.902	40.6933	858.474	40.8521	863.046	41.011
854.0544	40.6985	858.6264	40.8574	863.1984	41.0162
854.2068	40.7038	858.7788	40.8627	863.3508	41.0215
854.3592	40.7091	858.9312	40.868	863.5032	41.0268
854.5116	40.7144	859.0836	40.8733	863.6556	41.0321
854.664	40.7197	859.236	40.8786	863.808	41.0374
854.8164	40.725	859.3884	40.8839	863.9604	41.0427
854.9688	40.7303	859.5408	40.8892	864.1128	41.048
855.1212	40.7356	859.6932	40.8945	864.2652	41.0533
855.2736	40.7409	859.8456	40.8998	864.4176	41.0586
855.426	40.7462	859.998	40.9051	864.57	41.0639
855.5784	40.7515	860.1504	40.9103	864.7224	41.0692
855.7308	40.7568	860.3028	40.9156	864.8748	41.0745
855.8832	40.7621	860.4552	40.9209	865.0272	41.0798
856.0356	40.7674	860.6076	40.9262	865.1796	41.0851
856.188	40.7727	860.76	40.9315	865.332	41.0904
856.3404	40.778	860.9124	40.9368	865.4844	41.0957
856.4928	40.7833	861.0648	40.9421	865.6368	41.101
856.6452	40.7886	861.2172	40.9474	865.7892	41.1063

865.9416	41.1116	870.5136	41.2704	875.0856	41.4293
866.094	41.1169	870.666	41.2757	875.238	41.4345
866.2464	41.1221	870.8184	41.281	875.3904	41.4398
866.3988	41.1274	870.9708	41.2863	875.5428	41.4451
866.5512	41.1327	871.1232	41.2916	875.6952	41.4504
866.7036	41.138	871.2756	41.2969	875.8476	41.4557
866.856	41.1433	871.428	41.3022	876	41.461
867.0084	41.1486	871.5804	41.3075	876.1524	41.4663
867.1608	41.1539	871.7328	41.3128	876.3048	41.4716
867.3132	41.1592	871.8852	41.3181	876.4572	41.4769
867.4656	41.1645	872.0376	41.3234	876.6096	41.4822
867.618	41.1698	872.19	41.3287	876.762	41.4875
867.7704	41.1751	872.3424	41.3339	876.9144	41.4928
867.9228	41.1804	872.4948	41.3392	877.0668	41.4981
868.0752	41.1857	872.6472	41.3445	877.2192	41.5034
868.2276	41.191	872.7996	41.3498	877.3716	41.5087
868.38	41.1963	872.952	41.3551	877.524	41.514
868.5324	41.2016	873.1044	41.3604	877.6764	41.5193
868.6848	41.2069	873.2568	41.3657	877.8288	41.5246
868.8372	41.2122	873.4092	41.371	877.9812	41.5299
868.9896	41.2175	873.5616	41.3763	878.1336	41.5352
869.142	41.2228	873.714	41.3816	878.286	41.5405
869.2944	41.228	873.8664	41.3869	878.4384	41.5457
869.4468	41.2333	874.0188	41.3922	878.5908	41.551
869.5992	41.2386	874.1712	41.3975	878.7432	41.5563
869.7516	41.2439	874.3236	41.4028	878.8956	41.5616
869.904	41.2492	874.476	41.4081	879.048	41.5669
870.0564	41.2545	874.6284	41.4134	879.2004	41.5722
870.2088	41.2598	874.7808	41.4187	879.3528	41.5775
870.3612	41.2651	874.9332	41.424	879.5052	41.5828

879.6576	41.5881	884.2296	41.747	888.8016	41.9058
879.81	41.5934	884.382	41.7522	888.954	41.9111
879.9624	41.5987	884.5344	41.7575	889.1064	41.9164
880.1148	41.604	884.6868	41.7628	889.2588	41.9217
880.2672	41.6093	884.8392	41.7681	889.4112	41.927
880.4196	41.6146	884.9916	41.7734	889.5636	41.9323
880.572	41.6199	885.144	41.7787	889.716	41.9376
880.7244	41.6252	885.2964	41.784	889.8684	41.9429
880.8768	41.6305	885.4488	41.7893	890.0208	41.9482
881.0292	41.6358	885.6012	41.7946	890.1732	41.9535
881.1816	41.6411	885.7536	41.7999	890.3256	41.9588
881.334	41.6463	885.906	41.8052	890.478	41.964
881.4864	41.6516	886.0584	41.8105	890.6304	41.9693
881.6388	41.6569	886.2108	41.8158	890.7828	41.9746
881.7912	41.6622	886.3632	41.8211	890.9352	41.9799
881.9436	41.6675	886.5156	41.8264	891.0876	41.9852
882.096	41.6728	886.668	41.8317	891.24	41.9905
882.2484	41.6781	886.8204	41.837	891.3924	41.9958
882.4008	41.6834	886.9728	41.8423	891.5448	42.0011
882.5532	41.6887	887.1252	41.8476	891.6972	42.0064
882.7056	41.694	887.2776	41.8529	891.8496	42.0117
882.858	41.6993	887.43	41.8581	892.002	42.017
883.0104	41.7046	887.5824	41.8634	892.1544	42.0223
883.1628	41.7099	887.7348	41.8687	892.3068	42.0276
883.3152	41.7152	887.8872	41.874	892.4592	42.0329
883.4676	41.7205	888.0396	41.8793	892.6116	42.0382
883.62	41.7258	888.192	41.8846	892.764	42.0435
883.7724	41.7311	888.3444	41.8899	892.9164	42.0488
883.9248	41.7364	888.4968	41.8952	893.0688	42.0541
884.0772	41.7417	888.6492	41.9005	893.2212	42.0594

893.3736	42.0647	897.9456	42.2235	902.5176	42.3823
893.526	42.0699	898.098	42.2288	902.67	42.3876
893.6784	42.0752	898.2504	42.2341	902.8224	42.3929
893.8308	42.0805	898.4028	42.2394	902.9748	42.3982
893.9832	42.0858	898.5552	42.2447	903.1272	42.4035
894.1356	42.0911	898.7076	42.25	903.2796	42.4088
894.288	42.0964	898.86	42.2553	903.432	42.4141
894.4404	42.1017	899.0124	42.2606	903.5844	42.4194
894.5928	42.107	899.1648	42.2659	903.7368	42.4247
894.7452	42.1123	899.3172	42.2712	903.8892	42.43
894.8976	42.1176	899.4696	42.2765	904.0416	42.4353
895.05	42.1229	899.622	42.2817	904.194	42.4406
895.2024	42.1282	899.7744	42.287	904.3464	42.4459
895.3548	42.1335	899.9268	42.2923	904.4988	42.4512
895.5072	42.1388	900.0792	42.2976	904.6512	42.4565
895.6596	42.1441	900.2316	42.3029	904.8036	42.4618
895.812	42.1494	900.384	42.3082	904.956	42.4671
895.9644	42.1547	900.5364	42.3135	905.1084	42.4724
896.1168	42.16	900.6888	42.3188	905.2608	42.4777
896.2692	42.1653	900.8412	42.3241	905.4132	42.483
896.4216	42.1705	900.9936	42.3294	905.5656	42.4883
896.574	42.1758	901.146	42.3347	905.718	42.4935
896.7264	42.1811	901.2984	42.34	905.8704	42.4988
896.8788	42.1864	901.4508	42.3453	906.0228	42.5041
897.0312	42.1917	901.6032	42.3506	906.1752	42.5094
897.1836	42.197	901.7556	42.3559	906.3276	42.5147
897.336	42.2023	901.908	42.3612	906.48	42.52
897.4884	42.2076	902.0604	42.3665	906.6324	42.5253
897.6408	42.2129	902.2128	42.3718	906.7848	42.5306
897.7932	42.2182	902.3652	42.3771	906.9372	42.5359

907.0896	42.5412	911.6616	42.7	916.2336	42.8589
907.242	42.5465	911.814	42.7053	916.386	42.8642
907.3944	42.5518	911.9664	42.7106	916.5384	42.8695
907.5468	42.5571	912.1188	42.7159	916.6908	42.8748
907.6992	42.5624	912.2712	42.7212	916.8432	42.8801
907.8516	42.5677	912.4236	42.7265	916.9956	42.8854
908.004	42.573	912.576	42.7318	917.148	42.8907
908.1564	42.5783	912.7284	42.7371	917.3004	42.896
908.3088	42.5836	912.8808	42.7424	917.4528	42.9013
908.4612	42.5889	913.0332	42.7477	917.6052	42.9066
908.6136	42.5941	913.1856	42.753	917.7576	42.9118
908.766	42.5994	913.338	42.7583	917.91	42.9171
908.9184	42.6047	913.4904	42.7636	918.0624	42.9224
909.0708	42.61	913.6428	42.7689	918.2148	42.9277
909.2232	42.6153	913.7952	42.7742	918.3672	42.933
909.3756	42.6206	913.9476	42.7795	918.5196	42.9383
909.528	42.6259	914.1	42.7848	918.672	42.9436
909.6804	42.6312	914.2524	42.7901	918.8244	42.9489
909.8328	42.6365	914.4048	42.7954	918.9768	42.9542
909.9852	42.6418	914.5572	42.8007	919.1292	42.9595
910.1376	42.6471	914.7096	42.8059	919.2816	42.9648
910.29	42.6524	914.862	42.8112	919.434	42.9701
910.4424	42.6577	915.0144	42.8165	919.5864	42.9754
910.5948	42.663	915.1668	42.8218	919.7388	42.9807
910.7472	42.6683	915.3192	42.8271	919.8912	42.986
910.8996	42.6736	915.4716	42.8324	920.0436	42.9913
911.052	42.6789	915.624	42.8377	920.196	42.9966
911.2044	42.6842	915.7764	42.843	920.3484	43.0019
911.3568	42.6895	915.9288	42.8483	920.5008	43.0072
911.5092	42.6948	916.0812	42.8536	920.6532	43.0125

920.8056	43.0177	925.3776	43.1766	929.9496	43.3354
920.958	43.023	925.53	43.1819	930.102	43.3407
921.1104	43.0283	925.6824	43.1872	930.2544	43.346
921.2628	43.0336	925.8348	43.1925	930.4068	43.3513
921.4152	43.0389	925.9872	43.1978	930.5592	43.3566
921.5676	43.0442	926.1396	43.2031	930.7116	43.3619
921.72	43.0495	926.292	43.2084	930.864	43.3672
921.8724	43.0548	926.4444	43.2137	931.0164	43.3725
922.0248	43.0601	926.5968	43.219	931.1688	43.3778
922.1772	43.0654	926.7492	43.2243	931.3212	43.3831
922.3296	43.0707	926.9016	43.2295	931.4736	43.3884
922.482	43.076	927.054	43.2348	931.626	43.3937
922.6344	43.0813	927.2064	43.2401	931.7784	43.399
922.7868	43.0866	927.3588	43.2454	931.9308	43.4043
922.9392	43.0919	927.5112	43.2507	932.0832	43.4096
923.0916	43.0972	927.6636	43.256	932.2356	43.4149
923.244	43.1025	927.816	43.2613	932.388	43.4202
923.3964	43.1078	927.9684	43.2666	932.5404	43.4255
923.5488	43.1131	928.1208	43.2719	932.6928	43.4308
923.7012	43.1183	928.2732	43.2772	932.8452	43.436
923.8536	43.1236	928.4256	43.2825	932.9976	43.4413
924.006	43.1289	928.578	43.2878	933.15	43.4466
924.1584	43.1342	928.7304	43.2931	933.3024	43.4519
924.3108	43.1395	928.8828	43.2984	933.4548	43.4572
924.4632	43.1448	929.0352	43.3037	933.6072	43.4625
924.6156	43.1501	929.1876	43.309	933.7596	43.4678
924.768	43.1554	929.34	43.3143	933.912	43.4731
924.9204	43.1607	929.4924	43.3196	934.0644	43.4784
925.0728	43.166	929.6448	43.3249	934.2168	43.4837
925.2252	43.1713	929.7972	43.3301	934.3692	43.489

934.5216	43.4943	939.0936	43.6531	943.6656	43.812
934.674	43.4996	939.246	43.6584	943.818	43.8173
934.8264	43.5049	939.3984	43.6637	943.9704	43.8226
934.9788	43.5102	939.5508	43.669	944.1228	43.8279
935.1312	43.5155	939.7032	43.6743	944.2752	43.8332
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935.436	43.5261	940.008	43.6849	944.58	43.8438
935.5884	43.5314	940.1604	43.6902	944.7324	43.8491
935.7408	43.5367	940.3128	43.6955	944.8848	43.8543
935.8932	43.5419	940.4652	43.7008	945.0372	43.8596
936.0456	43.5472	940.6176	43.7061	945.1896	43.8649
936.198	43.5525	940.77	43.7114	945.342	43.8702
936.3504	43.5578	940.9224	43.7167	945.4944	43.8755
936.5028	43.5631	941.0748	43.722	945.6468	43.8808
936.6552	43.5684	941.2272	43.7273	945.7992	43.8861
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937.1124	43.5843	941.6844	43.7432	946.2564	43.902
937.2648	43.5896	941.8368	43.7485	946.4088	43.9073
937.4172	43.5949	941.9892	43.7537	946.5612	43.9126
937.5696	43.6002	942.1416	43.759	946.7136	43.9179
937.722	43.6055	942.294	43.7643	946.866	43.9232
937.8744	43.6108	942.4464	43.7696	947.0184	43.9285
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938.1792	43.6214	942.7512	43.7802	947.3232	43.9391
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938.484	43.632	943.056	43.7908	947.628	43.9497
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1170.132 51.6803	1174.704 51.8392	1179.276 51.998
1170.2844 51.6856	1174.8564 51.8445	1179.4283 52.0033
1170.4368 51.6909	1175.0088 51.8497	1179.5808 52.0086
1170.5892 51.6962	1175.1613 51.855	1179.7332 52.0139
1170.7416 51.7015	1175.3136 51.8603	1179.8856 52.0192
1170.894 51.7068	1175.4659 51.8656	1180.038 52.0245
1171.0464 51.7121	1175.6184 51.8709	1180.1904 52.0298
1171.1989 51.7174	1175.7708 51.8762	1180.3428 52.0351
1171.3512 51.7227	1175.9232 51.8815	1180.4952 52.0404
1171.5035 51.728	1176.0756 51.8868	1180.6476 52.0457
1171.656 51.7333	1176.228 51.8921	1180.8 52.051
1171.8083 51.7386	1176.3804 51.8974	1180.9524 52.0563
1171.9608 51.7439	1176.5328 51.9027	1181.1049 52.0616
1172.1132 51.7491	1176.6852 51.908	1181.2572 52.0668

1181.4095 52.0721	1185.9816 52.231	1190.5536 52.3898
1181.562 52.0774	1186.134 52.2363	1190.7061 52.3951
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1181.8668 52.088	1186.4388 52.2469	1191.0107 52.4057
1182.0192 52.0933	1186.5912 52.2522	1191.1632 52.411
1182.1716 52.0986	1186.7437 52.2575	1191.3156 52.4163
1182.324 52.1039	1186.896 52.2628	1191.468 52.4216
1182.4764 52.1092	1187.0483 52.2681	1191.6204 52.4269
1182.6288 52.1145	1187.2008 52.2733	1191.7728 52.4322
1182.7813 52.1198	1187.3531 52.2786	1191.9252 52.4375
1182.9336 52.1251	1187.5056 52.2839	1192.0776 52.4428
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1183.2384 52.1357	1187.8104 52.2945	1192.3824 52.4534
1183.3907 52.141	1187.9628 52.2998	1192.5348 52.4587
1183.5432 52.1463	1188.1152 52.3051	1192.6873 52.464
1183.6956 52.1516	1188.2676 52.3104	1192.8396 52.4693
1183.848 52.1569	1188.42 52.3157	1192.9919 52.4746
1184.0004 52.1621	1188.5724 52.321	1193.1444 52.4799
1184.1528 52.1674	1188.7249 52.3263	1193.2968 52.4851
1184.3052 52.1727	1188.8772 52.3316	1193.4492 52.4904
1184.4576 52.178	1189.0295 52.3369	1193.6016 52.4957
1184.61 52.1833	1189.182 52.3422	1193.754 52.501
1184.7625 52.1886	1189.3344 52.3475	1193.9064 52.5063
1184.9148 52.1939	1189.4868 52.3528	1194.0588 52.5116
1185.0673 52.1992	1189.6392 52.3581	1194.2112 52.5169
1185.2196 52.2045	1189.7916 52.3634	1194.3636 52.5222
1185.3719 52.2098	1189.944 52.3687	1194.516 52.5275
1185.5244 52.2151	1190.0964 52.374	1194.6685 52.5328
1185.6768 52.2204	1190.2488 52.3792	1194.8208 52.5381
1185.8292 52.2257	1190.4012 52.3845	1194.9731 52.5434

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1195.278 52.554	1199.85 52.7128	1204.422 52.8717
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1195.8876 52.5752	1200.4596 52.734	1205.0316 52.8929
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1196.1924 52.5857	1200.7644 52.7446	1205.3364 52.9035
1196.3448 52.591	1200.9167 52.7499	1205.4888 52.9087
1196.4972 52.5963	1201.0692 52.7552	1205.6412 52.914
1196.6497 52.6016	1201.2216 52.7605	1205.7936 52.9193
1196.802 52.6069	1201.374 52.7658	1205.946 52.9246
1196.9543 52.6122	1201.5264 52.7711	1206.0984 52.9299
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1197.2592 52.6228	1201.8312 52.7817	1206.4032 52.9405
1197.4116 52.6281	1201.9836 52.787	1206.5555 52.9458
1197.564 52.6334	1202.136 52.7923	1206.708 52.9511
1197.7164 52.6387	1202.2885 52.7976	1206.8604 52.9564
1197.8688 52.644	1202.4408 52.8028	1207.0128 52.9617
1198.0212 52.6493	1202.5931 52.8081	1207.1652 52.967
1198.1736 52.6546	1202.7456 52.8134	1207.3176 52.9723
1198.326 52.6599	1202.8979 52.8187	1207.47 52.9776
1198.4784 52.6652	1203.0504 52.824	1207.6224 52.9829
1198.6309 52.6705	1203.2028 52.8293	1207.7748 52.9882
1198.7832 52.6758	1203.3552 52.8346	1207.9272 52.9935
1198.9355 52.6811	1203.5076 52.8399	1208.0796 52.9988
1199.088 52.6864	1203.66 52.8452	1208.2321 53.0041
1199.2404 52.6916	1203.8124 52.8505	1208.3844 53.0093
1199.3928 52.6969	1203.9648 52.8558	1208.5367 53.0146
1199.5452 52.7022	1204.1172 52.8611	1208.6892 53.0199

1208.8416 53.0252	1213.4136 53.1841	1217.9856 53.3429
1208.994 53.0305	1213.566 53.1894	1218.1379 53.3482
1209.1464 53.0358	1213.7184 53.1947	1218.2904 53.3535
1209.2988 53.0411	1213.8708 53.2	1218.4427 53.3588
1209.4512 53.0464	1214.0232 53.2053	1218.5952 53.3641
1209.6036 53.0517	1214.1757 53.2106	1218.7476 53.3694
1209.756 53.057	1214.328 53.2159	1218.9 53.3747
1209.9084 53.0623	1214.4803 53.2211	1219.0524 53.38
1210.0608 53.0676	1214.6328 53.2264	1219.2048 53.3853
1210.2133 53.0729	1214.7852 53.2317	1219.3572 53.3906
1210.3656 53.0782	1214.9376 53.237	1219.5096 53.3959
1210.5179 53.0835	1215.09 53.2423	1219.662 53.4012
1210.6704 53.0888	1215.2424 53.2476	1219.8145 53.4065
1210.8228 53.0941	1215.3948 53.2529	1219.9668 53.4118
1210.9752 53.0994	1215.5472 53.2582	1220.1191 53.4171
1211.1276 53.1047	1215.6996 53.2635	1220.2716 53.4224
1211.28 53.11	1215.8521 53.2688	1220.424 53.4276
1211.4324 53.1152	1216.0044 53.2741	1220.5764 53.4329
1211.5848 53.1205	1216.1569 53.2794	1220.7288 53.4382
1211.7372 53.1258	1216.3092 53.2847	1220.8812 53.4435
1211.8896 53.1311	1216.4615 53.29	1221.0336 53.4488
1212.042 53.1364	1216.614 53.2953	1221.186 53.4541
1212.1945 53.1417	1216.7664 53.3006	1221.3384 53.4594
1212.3468 53.147	1216.9188 53.3059	1221.4908 53.4647
1212.4991 53.1523	1217.0712 53.3112	1221.6432 53.47
1212.6516 53.1576	1217.2236 53.3165	1221.7957 53.4753
1212.804 53.1629	1217.376 53.3218	1221.948 53.4806
1212.9564 53.1682	1217.5284 53.327	1222.1003 53.4859
1213.1088 53.1735	1217.6808 53.3323	1222.2528 53.4912
1213.2612 53.1788	1217.8333 53.3376	1222.4052 53.4965

1222.5576 53.5018	1227.1296 53.6606	1231.7017 53.8195
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1223.0148 53.5177	1227.5868 53.6765	1232.1588 53.8354
1223.1672 53.523	1227.7393 53.6818	1232.3112 53.8407
1223.3196 53.5283	1227.8916 53.6871	1232.4636 53.846
1223.472 53.5336	1228.0439 53.6924	1232.616 53.8512
1223.6244 53.5388	1228.1964 53.6977	1232.7684 53.8565
1223.7769 53.5441	1228.3488 53.703	1232.9208 53.8618
1223.9292 53.5494	1228.5012 53.7083	1233.0732 53.8671
1224.0815 53.5547	1228.6536 53.7136	1233.2256 53.8724
1224.234 53.56	1228.806 53.7189	1233.3781 53.8777
1224.3864 53.5653	1228.9584 53.7242	1233.5304 53.883
1224.5388 53.5706	1229.1108 53.7295	1233.6827 53.8883
1224.6912 53.5759	1229.2632 53.7348	1233.8352 53.8936
1224.8436 53.5812	1229.4156 53.7401	1233.9875 53.8989
1224.996 53.5865	1229.568 53.7453	1234.14 53.9042
1225.1484 53.5918	1229.7205 53.7506	1234.2924 53.9095
1225.3008 53.5971	1229.8728 53.7559	1234.4448 53.9148
1225.4532 53.6024	1230.0251 53.7612	1234.5972 53.9201
1225.6056 53.6077	1230.1776 53.7665	1234.7496 53.9254
1225.7581 53.613	1230.33 53.7718	1234.902 53.9307
1225.9104 53.6183	1230.4824 53.7771	1235.0544 53.936
1226.0627 53.6236	1230.6348 53.7824	1235.2068 53.9413
1226.2152 53.6289	1230.7872 53.7877	1235.3593 53.9466
1226.3676 53.6342	1230.9396 53.793	1235.5116 53.9519
1226.52 53.6395	1231.092 53.7983	1235.6639 53.9571
1226.6724 53.6447	1231.2444 53.8036	1235.8164 53.9624
1226.8248 53.65	1231.3969 53.8089	1235.9688 53.9677
1226.9772 53.6553	1231.5492 53.8142	1236.1212 53.973

1236.2736 53.9783	1240.8456 54.1372	1245.4176 54.296
1236.426 53.9836	1240.998 54.1425	1245.5699 54.3013
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1236.7308 53.9942	1241.3029 54.1531	1245.8748 54.3119
1236.8832 53.9995	1241.4552 54.1584	1246.0272 54.3172
1237.0356 54.0048	1241.6075 54.1636	1246.1796 54.3225
1237.188 54.0101	1241.76 54.1689	1246.332 54.3278
1237.3405 54.0154	1241.9124 54.1742	1246.4844 54.3331
1237.4928 54.0207	1242.0648 54.1795	1246.6368 54.3384
1237.6451 54.026	1242.2172 54.1848	1246.7892 54.3437
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1237.95 54.0366	1242.522 54.1954	1247.094 54.3543
1238.1024 54.0419	1242.6744 54.2007	1247.2465 54.3596
1238.2548 54.0472	1242.8268 54.206	1247.3988 54.3649
1238.4072 54.0525	1242.9792 54.2113	1247.5511 54.3702
1238.5596 54.0578	1243.1316 54.2166	1247.7036 54.3755
1238.712 54.063	1243.2841 54.2219	1247.856 54.3807
1238.8644 54.0683	1243.4364 54.2272	1248.0084 54.386
1239.0168 54.0736	1243.5887 54.2325	1248.1608 54.3913
1239.1692 54.0789	1243.7412 54.2378	1248.3132 54.3966
1239.3217 54.0842	1243.8936 54.2431	1248.4656 54.4019
1239.474 54.0895	1244.046 54.2484	1248.618 54.4072
1239.6263 54.0948	1244.1984 54.2537	1248.7704 54.4125
1239.7788 54.1001	1244.3508 54.259	1248.9229 54.4178
1239.9312 54.1054	1244.5032 54.2643	1249.0752 54.4231
1240.0836 54.1107	1244.6556 54.2696	1249.2275 54.4284
1240.236 54.116	1244.808 54.2748	1249.38 54.4337
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1240.6932 54.1319	1245.2653 54.2907	1249.8372 54.4496

1249.9896 54.4549	1254.5616 54.6137	1259.1335 54.7726
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1250.4468 54.4708	1255.0188 54.6296	1259.5908 54.7885
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1250.7516 54.4813	1255.3236 54.6402	1259.8956 54.799
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1251.0564 54.4919	1255.6284 54.6508	1260.2004 54.8096
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1251.5135 54.5078	1256.0856 54.6667	1260.6576 54.8255
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1251.8184 54.5184	1256.3904 54.6773	1260.9624 54.8361
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1252.1232 54.529	1256.6952 54.6879	1261.2672 54.8467
1252.2756 54.5343	1256.8477 54.6931	1261.4196 54.852
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1254.1044 54.5978	1258.6764 54.7567	1263.2484 54.9155
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1264.3152 54.9526	1268.8872 55.1115	1273.4592 55.2703
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1267.668 55.0691	1272.24 55.2279	1276.812 55.3868
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1278.0313 55.4291	1282.6031 55.588	1287.1752 55.7468
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1278.3361 55.4397	1282.908 55.5986	1287.48 55.7574
1278.4884 55.445	1283.0604 55.6039	1287.6324 55.7627
1278.6407 55.4503	1283.2128 55.6092	1287.7848 55.768
1278.7932 55.4556	1283.3652 55.6145	1287.9373 55.7733
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1279.098 55.4662	1283.67 55.6251	1288.2419 55.7839
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1280.0125 55.498	1284.5844 55.6568	1289.1564 55.8157
1280.1648 55.5033	1284.7368 55.6621	1289.3088 55.821
1280.3173 55.5086	1284.8892 55.6674	1289.4612 55.8263
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1280.6219 55.5192	1285.194 55.678	1289.766 55.8369
1280.7744 55.5245	1285.3464 55.6833	1289.9185 55.8422
1280.9268 55.5298	1285.4988 55.6886	1290.0708 55.8475
1281.0792 55.535	1285.6512 55.6939	1290.2231 55.8527
1281.2316 55.5403	1285.8036 55.6992	1290.3756 55.858
1281.384 55.5456	1285.9561 55.7045	1290.528 55.8633
1281.5364 55.5509	1286.1084 55.7098	1290.6804 55.8686
1281.6888 55.5562	1286.2607 55.7151	1290.8328 55.8739
1281.8412 55.5615	1286.4132 55.7204	1290.9852 55.8792

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1291.7472 55.9057	1296.3192 56.0645	1300.8912 56.2234
1291.8997 55.911	1296.4716 56.0698	1301.0436 56.2287
1292.052 55.9163	1296.624 56.0751	1301.196 56.234
1292.2043 55.9216	1296.7764 56.0804	1301.3484 56.2393
1292.3568 55.9269	1296.9288 56.0857	1301.5009 56.2446
1292.5092 55.9322	1297.0812 56.091	1301.6532 56.2499
1292.6616 55.9375	1297.2336 56.0963	1301.8055 56.2552
1292.814 55.9428	1297.386 56.1016	1301.958 56.2605
1292.9664 55.9481	1297.5385 56.1069	1302.1104 56.2658
1293.1188 55.9533	1297.6908 56.1122	1302.2628 56.271
1293.2712 55.9586	1297.8431 56.1175	1302.4152 56.2763
1293.4236 55.9639	1297.9956 56.1228	1302.5676 56.2816
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1294.4904 56.001	1299.0624 56.1599	1303.6344 56.3187
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1305.3108 56.3769	1309.8828 56.5358	1314.4548 56.6946
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1308.2064 56.4776	1312.7784 56.6364	1317.3503 56.7952
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1309.2732 56.5146	1313.8452 56.6735	1318.4172 56.8323

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1416.7152 60.2476	1421.2872 60.4064	1425.8593 60.5653
1416.8676 60.2529	1421.4396 60.4117	1426.0116 60.5706
1417.02 60.2582	1421.592 60.417	1426.1639 60.5759
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1417.3248 60.2687	1421.8969 60.4276	1426.4688 60.5864
1417.4772 60.274	1422.0492 60.4329	1426.6212 60.5917
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1417.9344 60.2899	1422.5063 60.4488	1427.0784 60.6076
1418.0868 60.2952	1422.6588 60.4541	1427.2308 60.6129
1418.2393 60.3005	1422.8112 60.4594	1427.3832 60.6182
1418.3916 60.3058	1422.9636 60.4647	1427.5356 60.6235
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1443.2328 61.1689	1447.8048 61.3277	1452.3768 61.4866
1443.3853 61.1742	1447.9572 61.333	1452.5292 61.4919
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1444.9092 61.2271	1449.4812 61.386	1454.0532 61.5448
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1445.214 61.2377	1449.786 61.3966	1454.358 61.5554
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1445.6711 61.2536	1450.2432 61.4125	1454.8152 61.5713
1445.8236 61.2589	1450.3956 61.4178	1454.9677 61.5766
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1472.4937 62.1855	1477.0656 62.3444	1481.6376 62.5032
1472.646 62.1908	1477.218 62.3497	1481.79 62.5085
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1525.224 64.0176	1529.796 64.1764	1534.368 64.3353
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1528.1196 64.1182	1532.6917 64.277	1537.2635 64.4359
1528.272 64.1235	1532.844 64.2823	1537.416 64.4412
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1538.3304 64.4729	1542.9023 64.6318	1547.4744 64.7906
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1538.9399 64.4941	1543.512 64.653	1548.084 64.8118
1539.0924 64.4994	1543.6644 64.6583	1548.2365 64.8171
1539.2448 64.5047	1543.8168 64.6636	1548.3888 64.8224
1539.3972 64.51	1543.9692 64.6689	1548.5413 64.8277
1539.5496 64.5153	1544.1216 64.6742	1548.6936 64.833
1539.702 64.5206	1544.274 64.6795	1548.8459 64.8383
1539.8544 64.5259	1544.4264 64.6847	1548.9984 64.8436
1540.0068 64.5312	1544.5789 64.69	1549.1508 64.8489
1540.1592 64.5365	1544.7312 64.6953	1549.3032 64.8542
1540.3116 64.5418	1544.8835 64.7006	1549.4556 64.8595
1540.464 64.5471	1545.036 64.7059	1549.608 64.8648
1540.6165 64.5524	1545.1884 64.7112	1549.7604 64.8701
1540.7688 64.5577	1545.3408 64.7165	1549.9128 64.8754
1540.9211 64.563	1545.4932 64.7218	1550.0652 64.8807
1541.0736 64.5683	1545.6456 64.7271	1550.2177 64.886
1541.226 64.5735	1545.798 64.7324	1550.37 64.8913
1541.3784 64.5788	1545.9504 64.7377	1550.5225 64.8965
1541.5308 64.5841	1546.1028 64.743	1550.6748 64.9018
1541.6832 64.5894	1546.2552 64.7483	1550.8271 64.9071
1541.8356 64.5947	1546.4076 64.7536	1550.9796 64.9124
1541.988 64.6	1546.5601 64.7589	1551.132 64.9177
1542.1404 64.6053	1546.7124 64.7642	1551.2844 64.923
1542.2928 64.6106	1546.8647 64.7695	1551.4368 64.9283
1542.4452 64.6159	1547.0172 64.7748	1551.5892 64.9336

1551.7416 64.9389	1556.3136 65.0978	1560.8856 65.2566
1551.894 64.9442	1556.4659 65.1031	1561.038 65.2619
1552.0464 64.9495	1556.6184 65.1083	1561.1904 65.2672
1552.1989 64.9548	1556.7708 65.1136	1561.3428 65.2725
1552.3512 64.9601	1556.9232 65.1189	1561.4952 65.2778
1552.5035 64.9654	1557.0756 65.1242	1561.6476 65.2831
1552.656 64.9707	1557.228 65.1295	1561.8 65.2884
1552.8083 64.976	1557.3804 65.1348	1561.9524 65.2937
1552.9608 64.9813	1557.5328 65.1401	1562.1049 65.299
1553.1132 64.9866	1557.6852 65.1454	1562.2572 65.3043
1553.2656 64.9919	1557.8376 65.1507	1562.4095 65.3096
1553.418 64.9971	1557.99 65.156	1562.562 65.3148
1553.5704 65.0024	1558.1425 65.1613	1562.7144 65.3201
1553.7228 65.0077	1558.2948 65.1666	1562.8668 65.3254
1553.8752 65.013	1558.4471 65.1719	1563.0192 65.3307
1554.0276 65.0183	1558.5996 65.1772	1563.1716 65.336
1554.1801 65.0236	1558.752 65.1825	1563.324 65.3413
1554.3324 65.0289	1558.9044 65.1878	1563.4764 65.3466
1554.4847 65.0342	1559.0568 65.1931	1563.6288 65.3519
1554.6372 65.0395	1559.2092 65.1984	1563.7813 65.3572
1554.7896 65.0448	1559.3616 65.2037	1563.9336 65.3625
1554.942 65.0501	1559.514 65.209	1564.0861 65.3678
1555.0944 65.0554	1559.6664 65.2142	1564.2384 65.3731
1555.2468 65.0607	1559.8188 65.2195	1564.3907 65.3784
1555.3992 65.066	1559.9712 65.2248	1564.5432 65.3837
1555.5516 65.0713	1560.1237 65.2301	1564.6956 65.389
1555.704 65.0766	1560.276 65.2354	1564.848 65.3943
1555.8564 65.0819	1560.4283 65.2407	1565.0004 65.3996
1556.0088 65.0872	1560.5808 65.246	1565.1528 65.4049
1556.1613 65.0925	1560.7332 65.2513	1565.3052 65.4102

1565.4576 65.4155	1570.0295 65.5743	1574.6016 65.7332
1565.61 65.4207	1570.182 65.5796	1574.754 65.7384
1565.7625 65.426	1570.3344 65.5849	1574.9064 65.7437
1565.9148 65.4313	1570.4868 65.5902	1575.0588 65.749
1566.0673 65.4366	1570.6392 65.5955	1575.2112 65.7543
1566.2196 65.4419	1570.7916 65.6008	1575.3636 65.7596
1566.3719 65.4472	1570.944 65.6061	1575.516 65.7649
1566.5244 65.4525	1571.0964 65.6114	1575.6685 65.7702
1566.6768 65.4578	1571.2488 65.6167	1575.8208 65.7755
1566.8292 65.4631	1571.4012 65.622	1575.9731 65.7808
1566.9816 65.4684	1571.5536 65.6273	1576.1256 65.7861
1567.134 65.4737	1571.7061 65.6326	1576.278 65.7914
1567.2864 65.479	1571.8584 65.6378	1576.4304 65.7967
1567.4388 65.4843	1572.0107 65.6431	1576.5828 65.802
1567.5912 65.4896	1572.1632 65.6484	1576.7352 65.8073
1567.7437 65.4949	1572.3156 65.6537	1576.8876 65.8126
1567.896 65.5002	1572.468 65.659	1577.04 65.8179
1568.0483 65.5055	1572.6204 65.6643	1577.1924 65.8232
1568.2008 65.5108	1572.7728 65.6696	1577.3448 65.8285
1568.3531 65.5161	1572.9252 65.6749	1577.4972 65.8338
1568.5056 65.5214	1573.0776 65.6802	1577.6497 65.8391
1568.658 65.5266	1573.23 65.6855	1577.802 65.8443
1568.8104 65.5319	1573.3824 65.6908	1577.9543 65.8496
1568.9628 65.5372	1573.5348 65.6961	1578.1068 65.8549
1569.1152 65.5425	1573.6873 65.7014	1578.2592 65.8602
1569.2676 65.5478	1573.8396 65.7067	1578.4116 65.8655
1569.42 65.5531	1573.9919 65.712	1578.564 65.8708
1569.5724 65.5584	1574.1444 65.7173	1578.7164 65.8761
1569.7249 65.5637	1574.2968 65.7226	1578.8688 65.8814
1569.8772 65.569	1574.4492 65.7279	1579.0212 65.8867

1579.1736 65.892	1583.7456 66.0508	1588.3176 66.2097
1579.326 65.8973	1583.8979 66.0561	1588.47 66.215
1579.4784 65.9026	1584.0504 66.0614	1588.6224 66.2203
1579.6309 65.9079	1584.2028 66.0667	1588.7748 66.2256
1579.7832 65.9132	1584.3552 66.072	1588.9272 66.2309
1579.9355 65.9185	1584.5076 66.0773	1589.0796 66.2362
1580.088 65.9238	1584.66 66.0826	1589.2321 66.2415
1580.2404 65.9291	1584.8124 66.0879	1589.3844 66.2468
1580.3928 65.9344	1584.9648 66.0932	1589.5367 66.2521
1580.5452 65.9397	1585.1172 66.0985	1589.6892 66.2574
1580.6976 65.9449	1585.2697 66.1038	1589.8416 66.2626
1580.85 65.9502	1585.422 66.1091	1589.994 66.2679
1581.0024 65.9555	1585.5743 66.1144	1590.1464 66.2732
1581.1548 65.9608	1585.7268 66.1197	1590.2988 66.2785
1581.3073 65.9661	1585.8792 66.125	1590.4512 66.2838
1581.4596 65.9714	1586.0316 66.1303	1590.6036 66.2891
1581.6121 65.9767	1586.184 66.1356	1590.756 66.2944
1581.7644 65.982	1586.3364 66.1409	1590.9084 66.2997
1581.9167 65.9873	1586.4888 66.1462	1591.0608 66.305
1582.0692 65.9926	1586.6412 66.1515	1591.2133 66.3103
1582.2216 65.9979	1586.7936 66.1567	1591.3656 66.3156
1582.374 66.0032	1586.946 66.162	1591.5179 66.3209
1582.5264 66.0085	1587.0984 66.1673	1591.6704 66.3262
1582.6788 66.0138	1587.2509 66.1726	1591.8228 66.3315
1582.8312 66.0191	1587.4032 66.1779	1591.9752 66.3368
1582.9836 66.0244	1587.5555 66.1832	1592.1276 66.3421
1583.136 66.0297	1587.708 66.1885	1592.28 66.3474
1583.2885 66.035	1587.8604 66.1938	1592.4324 66.3527
1583.4408 66.0403	1588.0128 66.1991	1592.5848 66.358
1583.5931 66.0455	1588.1652 66.2044	1592.7372 66.3633

1592.8896 66.3685	1597.4615 66.5274	1602.0336 66.6862
1593.042 66.3738	1597.614 66.5327	1602.186 66.6915
1593.1945 66.3791	1597.7664 66.538	1602.3384 66.6968
1593.3468 66.3844	1597.9188 66.5433	1602.4908 66.7021
1593.4991 66.3897	1598.0712 66.5486	1602.6432 66.7074
1593.6516 66.395	1598.2236 66.5539	1602.7957 66.7127
1593.804 66.4003	1598.376 66.5592	1602.948 66.718
1593.9564 66.4056	1598.5284 66.5645	1603.1003 66.7233
1594.1088 66.4109	1598.6808 66.5698	1603.2528 66.7286
1594.2612 66.4162	1598.8333 66.5751	1603.4052 66.7339
1594.4136 66.4215	1598.9856 66.5803	1603.5576 66.7392
1594.566 66.4268	1599.1379 66.5856	1603.71 66.7445
1594.7184 66.4321	1599.2904 66.5909	1603.8624 66.7498
1594.8708 66.4374	1599.4427 66.5962	1604.0148 66.7551
1595.0232 66.4427	1599.5952 66.6015	1604.1672 66.7604
1595.1757 66.448	1599.7476 66.6068	1604.3196 66.7657
1595.328 66.4533	1599.9 66.6121	1604.472 66.771
1595.4803 66.4586	1600.0524 66.6174	1604.6244 66.7763
1595.6328 66.4639	1600.2048 66.6227	1604.7769 66.7816
1595.7852 66.4691	1600.3572 66.628	1604.9292 66.7868
1595.9376 66.4744	1600.5096 66.6333	1605.0815 66.7921
1596.09 66.4797	1600.662 66.6386	1605.234 66.7974
1596.2424 66.485	1600.8145 66.6439	1605.3864 66.8027
1596.3948 66.4903	1600.9668 66.6492	1605.5388 66.808
1596.5472 66.4956	1601.1191 66.6545	1605.6912 66.8133
1596.6996 66.5009	1601.2716 66.6598	1605.8436 66.8186
1596.8521 66.5062	1601.424 66.6651	1605.996 66.8239
1597.0044 66.5115	1601.5764 66.6704	1606.1484 66.8292
1597.1569 66.5168	1601.7288 66.6757	1606.3008 66.8345
1597.3092 66.5221	1601.8812 66.681	1606.4532 66.8398

1606.6056 66.8451	1611.1776 67.0039	1615.7496 67.1628
1606.7581 66.8504	1611.33 67.0092	1615.902 67.1681
1606.9104 66.8557	1611.4824 67.0145	1616.0544 67.1734
1607.0627 66.861	1611.6348 67.0198	1616.2068 67.1787
1607.2152 66.8663	1611.7872 67.0251	1616.3593 67.184
1607.3676 66.8716	1611.9396 67.0304	1616.5116 67.1893
1607.52 66.8769	1612.092 67.0357	1616.6639 67.1946
1607.6724 66.8822	1612.2444 67.041	1616.8164 67.1999
1607.8248 66.8875	1612.3969 67.0463	1616.9688 67.2052
1607.9772 66.8927	1612.5492 67.0516	1617.1212 67.2104
1608.1296 66.898	1612.7017 67.0569	1617.2736 67.2157
1608.282 66.9033	1612.854 67.0622	1617.426 67.221
1608.4344 66.9086	1613.0063 67.0675	1617.5784 67.2263
1608.5868 66.9139	1613.1588 67.0728	1617.7308 67.2316
1608.7393 66.9192	1613.3112 67.0781	1617.8832 67.2369
1608.8916 66.9245	1613.4636 67.0834	1618.0356 67.2422
1609.0439 66.9298	1613.616 67.0887	1618.188 67.2475
1609.1964 66.9351	1613.7684 67.094	1618.3405 67.2528
1609.3488 66.9404	1613.9208 67.0993	1618.4928 67.2581
1609.5012 66.9457	1614.0732 67.1046	1618.6451 67.2634
1609.6536 66.951	1614.2256 67.1098	1618.7976 67.2687
1609.806 66.9563	1614.3781 67.1151	1618.95 67.274
1609.9584 66.9616	1614.5304 67.1204	1619.1024 67.2793
1610.1108 66.9669	1614.6827 67.1257	1619.2548 67.2846
1610.2632 66.9722	1614.8352 67.131	1619.4072 67.2899
1610.4156 66.9775	1614.9875 67.1363	1619.5596 67.2952
1610.568 66.9828	1615.14 67.1416	1619.712 67.3005
1610.7205 66.9881	1615.2924 67.1469	1619.8644 67.3058
1610.8728 66.9934	1615.4448 67.1522	1620.0168 67.3111
1611.0251 66.9986	1615.5972 67.1575	1620.1692 67.3163

1620.3217 67.3216	1624.8936 67.4805	1629.4656 67.6393
1620.474 67.3269	1625.046 67.4858	1629.618 67.6446
1620.6263 67.3322	1625.1984 67.4911	1629.7704 67.6499
1620.7788 67.3375	1625.3508 67.4964	1629.9229 67.6552
1620.9312 67.3428	1625.5032 67.5017	1630.0752 67.6605
1621.0836 67.3481	1625.6556 67.507	1630.2275 67.6658
1621.236 67.3534	1625.808 67.5123	1630.38 67.6711
1621.3884 67.3587	1625.9604 67.5176	1630.5323 67.6764
1621.5408 67.364	1626.1128 67.5229	1630.6848 67.6817
1621.6932 67.3693	1626.2653 67.5281	1630.8372 67.687
1621.8456 67.3746	1626.4176 67.5334	1630.9896 67.6923
1621.998 67.3799	1626.5699 67.5387	1631.142 67.6976
1622.1504 67.3852	1626.7224 67.544	1631.2944 67.7029
1622.3029 67.3905	1626.8748 67.5493	1631.4468 67.7082
1622.4552 67.3958	1627.0272 67.5546	1631.5992 67.7135
1622.6075 67.4011	1627.1796 67.5599	1631.7516 67.7188
1622.76 67.4064	1627.332 67.5652	1631.9041 67.7241
1622.9124 67.4117	1627.4844 67.5705	1632.0564 67.7294
1623.0648 67.4169	1627.6368 67.5758	1632.2087 67.7346
1623.2172 67.4222	1627.7892 67.5811	1632.3612 67.7399
1623.3696 67.4275	1627.9417 67.5864	1632.5135 67.7452
1623.522 67.4328	1628.094 67.5917	1632.666 67.7505
1623.6744 67.4381	1628.2465 67.597	1632.8184 67.7558
1623.8268 67.4434	1628.3988 67.6023	1632.9708 67.7611
1623.9792 67.4487	1628.5511 67.6076	1633.1232 67.7664
1624.1316 67.454	1628.7036 67.6129	1633.2756 67.7717
1624.2841 67.4593	1628.856 67.6182	1633.428 67.777
1624.4364 67.4646	1629.0084 67.6235	1633.5804 67.7823
1624.5887 67.4699	1629.1608 67.6287	1633.7328 67.7876
1624.7412 67.4752	1629.3132 67.634	1633.8853 67.7929

1634.0376 67.7982	1638.6096 67.957	1643.1816 68.1159
1634.1899 67.8035	1638.762 67.9623	1643.334 68.1212
1634.3424 67.8088	1638.9144 67.9676	1643.4865 68.1265
1634.4948 67.8141	1639.0668 67.9729	1643.6388 68.1318
1634.6472 67.8194	1639.2192 67.9782	1643.7913 68.1371
1634.7996 67.8247	1639.3716 67.9835	1643.9436 68.1424
1634.952 67.83	1639.524 67.9888	1644.0959 68.1477
1635.1044 67.8353	1639.6764 67.9941	1644.2484 68.153
1635.2568 67.8405	1639.8289 67.9994	1644.4008 68.1582
1635.4092 67.8458	1639.9812 68.0047	1644.5532 68.1635
1635.5616 67.8511	1640.1335 68.01	1644.7056 68.1688
1635.714 67.8564	1640.286 68.0153	1644.858 68.1741
1635.8665 67.8617	1640.4384 68.0206	1645.0104 68.1794
1636.0188 67.867	1640.5908 68.0259	1645.1628 68.1847
1636.1711 67.8723	1640.7432 68.0312	1645.3152 68.19
1636.3236 67.8776	1640.8956 68.0365	1645.4677 68.1953
1636.476 67.8829	1641.048 68.0418	1645.62 68.2006
1636.6284 67.8882	1641.2004 68.0471	1645.7725 68.2059
1636.7808 67.8935	1641.3528 68.0523	1645.9248 68.2112
1636.9332 67.8988	1641.5052 68.0576	1646.0771 68.2165
1637.0856 67.9041	1641.6576 68.0629	1646.2296 68.2218
1637.238 67.9094	1641.8101 68.0682	1646.382 68.2271
1637.3904 67.9147	1641.9624 68.0735	1646.5344 68.2324
1637.5428 67.92	1642.1147 68.0788	1646.6868 68.2377
1637.6952 67.9253	1642.2672 68.0841	1646.8392 68.243
1637.8477 67.9306	1642.4196 68.0894	1646.9916 68.2483
1638 67.9359	1642.572 68.0947	1647.144 68.2536
1638.1523 67.9411	1642.7244 68.1	1647.2964 68.2589
1638.3048 67.9464	1642.8768 68.1053	1647.4489 68.2641
1638.4572 67.9517	1643.0292 68.1106	1647.6012 68.2694

1647.7535 68.2747	1652.3256 68.4336	1656.8976 68.5924
1647.906 68.28	1652.478 68.4389	1657.05 68.5977
1648.0583 68.2853	1652.6304 68.4442	1657.2024 68.603
1648.2108 68.2906	1652.7828 68.4495	1657.3549 68.6083
1648.3632 68.2959	1652.9352 68.4548	1657.5072 68.6136
1648.5156 68.3012	1653.0876 68.4601	1657.6595 68.6189
1648.668 68.3065	1653.24 68.4654	1657.812 68.6242
1648.8204 68.3118	1653.3925 68.4706	1657.9644 68.6295
1648.9728 68.3171	1653.5448 68.4759	1658.1168 68.6348
1649.1252 68.3224	1653.6971 68.4812	1658.2692 68.6401
1649.2776 68.3277	1653.8496 68.4865	1658.4216 68.6454
1649.4301 68.333	1654.002 68.4918	1658.574 68.6507
1649.5824 68.3383	1654.1544 68.4971	1658.7264 68.656
1649.7347 68.3436	1654.3068 68.5024	1658.8788 68.6613
1649.8872 68.3489	1654.4592 68.5077	1659.0313 68.6666
1650.0396 68.3542	1654.6116 68.513	1659.1836 68.6719
1650.192 68.3595	1654.764 68.5183	1659.3361 68.6772
1650.3444 68.3647	1654.9164 68.5236	1659.4884 68.6824
1650.4968 68.37	1655.0688 68.5289	1659.6407 68.6877
1650.6492 68.3753	1655.2212 68.5342	1659.7932 68.693
1650.8016 68.3806	1655.3737 68.5395	1659.9456 68.6983
1650.954 68.3859	1655.526 68.5448	1660.098 68.7036
1651.1064 68.3912	1655.6783 68.5501	1660.2504 68.7089
1651.2588 68.3965	1655.8308 68.5554	1660.4028 68.7142
1651.4113 68.4018	1655.9832 68.5607	1660.5552 68.7195
1651.5636 68.4071	1656.1356 68.566	1660.7076 68.7248
1651.7159 68.4124	1656.288 68.5713	1660.86 68.7301
1651.8684 68.4177	1656.4404 68.5766	1661.0125 68.7354
1652.0208 68.423	1656.5928 68.5818	1661.1648 68.7407
1652.1732 68.4283	1656.7452 68.5871	1661.3173 68.746

1661.4696 68.7513	1666.0416 68.9101	1670.6136 69.069
1661.6219 68.7566	1666.194 68.9154	1670.766 69.0743
1661.7744 68.7619	1666.3464 68.9207	1670.9185 69.0796
1661.9268 68.7672	1666.4988 68.926	1671.0708 69.0849
1662.0792 68.7725	1666.6512 68.9313	1671.2231 69.0902
1662.2316 68.7778	1666.8036 68.9366	1671.3756 69.0955
1662.384 68.7831	1666.9561 68.9419	1671.528 69.1008
1662.5364 68.7883	1667.1084 68.9472	1671.6804 69.106
1662.6888 68.7936	1667.2607 68.9525	1671.8328 69.1113
1662.8412 68.7989	1667.4132 68.9578	1671.9852 69.1166
1662.9937 68.8042	1667.5656 68.9631	1672.1376 69.1219
1663.146 68.8095	1667.718 68.9684	1672.29 69.1272
1663.2983 68.8148	1667.8704 68.9737	1672.4424 69.1325
1663.4508 68.8201	1668.0228 68.979	1672.5948 69.1378
1663.6031 68.8254	1668.1752 68.9843	1672.7472 69.1431
1663.7556 68.8307	1668.3276 68.9896	1672.8997 69.1484
1663.908 68.836	1668.48 68.9949	1673.052 69.1537
1664.0604 68.8413	1668.6324 69.0001	1673.2043 69.159
1664.2128 68.8466	1668.7848 69.0054	1673.3568 69.1643
1664.3652 68.8519	1668.9373 69.0107	1673.5092 69.1696
1664.5176 68.8572	1669.0896 69.016	1673.6616 69.1749
1664.67 68.8625	1669.2419 69.0213	1673.814 69.1802
1664.8224 68.8678	1669.3944 69.0266	1673.9664 69.1855
1664.9749 68.8731	1669.5468 69.0319	1674.1188 69.1908
1665.1272 68.8784	1669.6992 69.0372	1674.2712 69.1961
1665.2795 68.8837	1669.8516 69.0425	1674.4236 69.2014
1665.432 68.8889	1670.004 69.0478	1674.576 69.2066
1665.5844 68.8942	1670.1564 69.0531	1674.7284 69.2119
1665.7368 68.8995	1670.3088 69.0584	1674.8809 69.2172
1665.8892 68.9048	1670.4612 69.0637	1675.0332 69.2225

1675.1855 69.2278	1679.7576 69.3867	1684.3296 69.5455
1675.338 69.2331	1679.91 69.392	1684.4821 69.5508
1675.4904 69.2384	1680.0624 69.3973	1684.6344 69.5561
1675.6428 69.2437	1680.2148 69.4026	1684.7867 69.5614
1675.7952 69.249	1680.3672 69.4079	1684.9392 69.5667
1675.9476 69.2543	1680.5197 69.4132	1685.0916 69.572
1676.1 69.2596	1680.672 69.4184	1685.244 69.5773
1676.2524 69.2649	1680.8243 69.4237	1685.3964 69.5826
1676.4048 69.2702	1680.9768 69.429	1685.5488 69.5879
1676.5573 69.2755	1681.1292 69.4343	1685.7012 69.5932
1676.7096 69.2808	1681.2816 69.4396	1685.8536 69.5985
1676.8621 69.2861	1681.434 69.4449	1686.006 69.6038
1677.0144 69.2914	1681.5864 69.4502	1686.1584 69.6091
1677.1667 69.2967	1681.7388 69.4555	1686.3108 69.6144
1677.3192 69.302	1681.8912 69.4608	1686.4633 69.6197
1677.4716 69.3073	1682.0436 69.4661	1686.6156 69.625
1677.624 69.3125	1682.196 69.4714	1686.7679 69.6302
1677.7764 69.3178	1682.3484 69.4767	1686.9204 69.6355
1677.9288 69.3231	1682.5009 69.482	1687.0728 69.6408
1678.0812 69.3284	1682.6532 69.4873	1687.2252 69.6461
1678.2336 69.3337	1682.8055 69.4926	1687.3776 69.6514
1678.386 69.339	1682.958 69.4979	1687.53 69.6567
1678.5385 69.3443	1683.1104 69.5032	1687.6824 69.662
1678.6908 69.3496	1683.2628 69.5085	1687.8348 69.6673
1678.8431 69.3549	1683.4152 69.5138	1687.9872 69.6726
1678.9956 69.3602	1683.5676 69.5191	1688.1396 69.6779
1679.1479 69.3655	1683.72 69.5243	1688.292 69.6832
1679.3004 69.3708	1683.8724 69.5296	1688.4445 69.6885
1679.4528 69.3761	1684.0248 69.5349	1688.5968 69.6938
1679.6052 69.3814	1684.1772 69.5402	1688.7491 69.6991

1688.9016 69.7044	1693.4736 69.8632	1698.0457 70.0221
1689.054 69.7097	1693.626 69.8685	1698.198 70.0274
1689.2064 69.715	1693.7784 69.8738	1698.3503 70.0327
1689.3588 69.7203	1693.9308 69.8791	1698.5028 70.038
1689.5112 69.7256	1694.0833 69.8844	1698.6552 70.0433
1689.6636 69.7309	1694.2356 69.8897	1698.8076 70.0486
1689.816 69.7361	1694.3879 69.895	1698.96 70.0538
1689.9684 69.7414	1694.5404 69.9003	1699.1124 70.0591
1690.1208 69.7467	1694.6927 69.9056	1699.2648 70.0644
1690.2732 69.752	1694.8452 69.9109	1699.4172 70.0697
1690.4257 69.7573	1694.9976 69.9162	1699.5696 70.075
1690.578 69.7626	1695.15 69.9215	1699.722 70.0803
1690.7303 69.7679	1695.3024 69.9268	1699.8744 70.0856
1690.8828 69.7732	1695.4548 69.9321	1700.0269 70.0909
1691.0352 69.7785	1695.6072 69.9374	1700.1792 70.0962
1691.1876 69.7838	1695.7596 69.9426	1700.3315 70.1015
1691.34 69.7891	1695.912 69.9479	1700.484 70.1068
1691.4924 69.7944	1696.0645 69.9532	1700.6364 70.1121
1691.6448 69.7997	1696.2168 69.9585	1700.7888 70.1174
1691.7972 69.805	1696.3691 69.9638	1700.9412 70.1227
1691.9496 69.8103	1696.5216 69.9691	1701.0936 70.128
1692.1021 69.8156	1696.674 69.9744	1701.246 70.1333
1692.2544 69.8209	1696.8264 69.9797	1701.3984 70.1386
1692.4069 69.8262	1696.9788 69.985	1701.5508 70.1439
1692.5592 69.8315	1697.1312 69.9903	1701.7032 70.1492
1692.7115 69.8367	1697.2836 69.9956	1701.8556 70.1544
1692.864 69.842	1697.436 70.0009	1702.0081 70.1597
1693.0164 69.8473	1697.5884 70.0062	1702.1604 70.165
1693.1688 69.8526	1697.7408 70.0115	1702.3127 70.1703
1693.3212 69.8579	1697.8932 70.0168	1702.4652 70.1756

1702.6176 70.1809	1707.1896 70.3398	1711.7616 70.4986
1702.77 70.1862	1707.342 70.3451	1711.9139 70.5039
1702.9224 70.1915	1707.4944 70.3504	1712.0664 70.5092
1703.0748 70.1968	1707.6469 70.3557	1712.2188 70.5145
1703.2272 70.2021	1707.7992 70.3609	1712.3712 70.5198
1703.3796 70.2074	1707.9517 70.3662	1712.5236 70.5251
1703.532 70.2127	1708.104 70.3715	1712.676 70.5304
1703.6844 70.218	1708.2563 70.3768	1712.8284 70.5357
1703.8368 70.2233	1708.4088 70.3821	1712.9808 70.541
1703.9893 70.2286	1708.5612 70.3874	1713.1332 70.5463
1704.1416 70.2339	1708.7136 70.3927	1713.2856 70.5516
1704.2939 70.2392	1708.866 70.398	1713.438 70.5569
1704.4464 70.2445	1709.0184 70.4033	1713.5905 70.5622
1704.5988 70.2498	1709.1708 70.4086	1713.7428 70.5675
1704.7512 70.2551	1709.3232 70.4139	1713.8951 70.5728
1704.9036 70.2603	1709.4756 70.4192	1714.0476 70.578
1705.056 70.2656	1709.6281 70.4245	1714.2 70.5833
1705.2084 70.2709	1709.7804 70.4298	1714.3524 70.5886
1705.3608 70.2762	1709.9327 70.4351	1714.5048 70.5939
1705.5132 70.2815	1710.0852 70.4404	1714.6572 70.5992
1705.6656 70.2868	1710.2375 70.4457	1714.8096 70.6045
1705.818 70.2921	1710.39 70.451	1714.962 70.6098
1705.9705 70.2974	1710.5424 70.4563	1715.1144 70.6151
1706.1228 70.3027	1710.6948 70.4616	1715.2668 70.6204
1706.2751 70.308	1710.8472 70.4669	1715.4192 70.6257
1706.4276 70.3133	1710.9996 70.4721	1715.5717 70.631
1706.58 70.3186	1711.152 70.4774	1715.724 70.6363
1706.7324 70.3239	1711.3044 70.4827	1715.8763 70.6416
1706.8848 70.3292	1711.4568 70.488	1716.0288 70.6469
1707.0372 70.3345	1711.6093 70.4933	1716.1812 70.6522

1716.3336 70.6575	1720.9056 70.8163	1725.4775 70.9752
1716.486 70.6628	1721.058 70.8216	1725.63 70.9805
1716.6384 70.6681	1721.2104 70.8269	1725.7823 70.9858
1716.7908 70.6734	1721.3628 70.8322	1725.9348 70.9911
1716.9432 70.6786	1721.5153 70.8375	1726.0872 70.9963
1717.0956 70.6839	1721.6676 70.8428	1726.2396 71.0016
1717.248 70.6892	1721.8199 70.8481	1726.392 71.0069
1717.4004 70.6945	1721.9724 70.8534	1726.5444 71.0122
1717.5529 70.6998	1722.1248 70.8587	1726.6968 71.0175
1717.7052 70.7051	1722.2772 70.864	1726.8492 71.0228
1717.8575 70.7104	1722.4296 70.8693	1727.0016 71.0281
1718.01 70.7157	1722.582 70.8746	1727.1541 71.0334
1718.1624 70.721	1722.7344 70.8799	1727.3064 71.0387
1718.3148 70.7263	1722.8868 70.8852	1727.4587 71.044
1718.4672 70.7316	1723.0392 70.8904	1727.6112 71.0493
1718.6196 70.7369	1723.1917 70.8957	1727.7635 71.0546
1718.772 70.7422	1723.344 70.901	1727.916 71.0599
1718.9244 70.7475	1723.4965 70.9063	1728.0684 71.0652
1719.0768 70.7528	1723.6488 70.9116	1728.2208 71.0705
1719.2292 70.7581	1723.8011 70.9169	1728.3732 71.0758
1719.3816 70.7634	1723.9536 70.9222	1728.5256 71.0811
1719.5341 70.7687	1724.106 70.9275	1728.678 71.0864
1719.6864 70.774	1724.2584 70.9328	1728.8304 71.0917
1719.8387 70.7793	1724.4108 70.9381	1728.9828 71.097
1719.9912 70.7845	1724.5632 70.9434	1729.1353 71.1022
1720.1436 70.7898	1724.7156 70.9487	1729.2876 71.1075
1720.296 70.7951	1724.868 70.954	1729.4399 71.1128
1720.4484 70.8004	1725.0204 70.9593	1729.5924 71.1181
1720.6008 70.8057	1725.1729 70.9646	1729.7448 71.1234
1720.7532 70.811	1725.3252 70.9699	1729.8972 71.1287

1730.0496 71.134	1734.6216 71.2929	1739.1936 71.4517
1730.202 71.1393	1734.774 71.2982	1739.3459 71.457
1730.3544 71.1446	1734.9264 71.3035	1739.4984 71.4623
1730.5068 71.1499	1735.0789 71.3088	1739.6508 71.4676
1730.6592 71.1552	1735.2312 71.314	1739.8032 71.4729
1730.8116 71.1605	1735.3835 71.3193	1739.9556 71.4782
1730.964 71.1658	1735.536 71.3246	1740.108 71.4835
1731.1165 71.1711	1735.6884 71.3299	1740.2604 71.4888
1731.2688 71.1764	1735.8408 71.3352	1740.4128 71.4941
1731.4211 71.1817	1735.9932 71.3405	1740.5652 71.4994
1731.5736 71.187	1736.1456 71.3458	1740.7177 71.5047
1731.726 71.1923	1736.298 71.3511	1740.87 71.51
1731.8784 71.1976	1736.4504 71.3564	1741.0225 71.5153
1732.0308 71.2029	1736.6028 71.3617	1741.1748 71.5206
1732.1832 71.2081	1736.7552 71.367	1741.3271 71.5258
1732.3356 71.2134	1736.9076 71.3723	1741.4796 71.5311
1732.488 71.2187	1737.0601 71.3776	1741.632 71.5364
1732.6404 71.224	1737.2124 71.3829	1741.7844 71.5417
1732.7928 71.2293	1737.3647 71.3882	1741.9368 71.547
1732.9452 71.2346	1737.5172 71.3935	1742.0892 71.5523
1733.0977 71.2399	1737.6696 71.3988	1742.2416 71.5576
1733.25 71.2452	1737.822 71.4041	1742.394 71.5629
1733.4023 71.2505	1737.9744 71.4094	1742.5464 71.5682
1733.5548 71.2558	1738.1268 71.4146	1742.6989 71.5735
1733.7072 71.2611	1738.2792 71.4199	1742.8512 71.5788
1733.8596 71.2664	1738.4316 71.4252	1743.0035 71.5841
1734.012 71.2717	1738.584 71.4305	1743.156 71.5894
1734.1644 71.277	1738.7365 71.4358	1743.3083 71.5947
1734.3168 71.2823	1738.8888 71.4411	1743.4608 71.6
1734.4692 71.2876	1739.0413 71.4464	1743.6132 71.6053

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1743.918 71.6159	1748.49 71.7747	1753.062 71.9336
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1744.2228 71.6264	1748.7948 71.7853	1753.3668 71.9441
1744.3752 71.6317	1748.9471 71.7906	1753.5192 71.9494
1744.5276 71.637	1749.0996 71.7959	1753.6716 71.9547
1744.6801 71.6423	1749.252 71.8012	1753.824 71.96
1744.8324 71.6476	1749.4044 71.8065	1753.9764 71.9653
1744.9847 71.6529	1749.5568 71.8118	1754.1288 71.9706
1745.1372 71.6582	1749.7092 71.8171	1754.2813 71.9759
1745.2896 71.6635	1749.8616 71.8224	1754.4336 71.9812
1745.442 71.6688	1750.014 71.8277	1754.5861 71.9865
1745.5944 71.6741	1750.1664 71.8329	1754.7384 71.9918
1745.7468 71.6794	1750.3188 71.8382	1754.8907 71.9971
1745.8992 71.6847	1750.4712 71.8435	1755.0432 72.0024
1746.0516 71.69	1750.6237 71.8488	1755.1956 72.0077
1746.204 71.6953	1750.776 71.8541	1755.348 72.013
1746.3564 71.7006	1750.9283 71.8594	1755.5004 72.0183
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1746.8136 71.7165	1751.3856 71.8753	1755.9576 72.0342
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1747.1184 71.7271	1751.6904 71.8859	1756.2625 72.0448
1747.2708 71.7323	1751.8428 71.8912	1756.4148 72.05
1747.4232 71.7376	1751.9952 71.8965	1756.5673 72.0553
1747.5756 71.7429	1752.1476 71.9018	1756.7196 72.0606
1747.728 71.7482	1752.3 71.9071	1756.8719 72.0659
1747.8804 71.7535	1752.4524 71.9124	1757.0244 72.0712
1748.0328 71.7588	1752.6049 71.9177	1757.1768 72.0765
1748.1852 71.7641	1752.7572 71.923	1757.3292 72.0818

1757.4816 72.0871	1762.0536 72.246	1766.6256 72.4048
1757.634 72.0924	1762.2061 72.2513	1766.778 72.4101
1757.7864 72.0977	1762.3584 72.2565	1766.9304 72.4154
1757.9388 72.103	1762.5107 72.2618	1767.0828 72.4207
1758.0912 72.1083	1762.6632 72.2671	1767.2352 72.426
1758.2437 72.1136	1762.8156 72.2724	1767.3876 72.4313
1758.396 72.1189	1762.968 72.2777	1767.54 72.4366
1758.5483 72.1242	1763.1204 72.283	1767.6924 72.4419
1758.7008 72.1295	1763.2728 72.2883	1767.8448 72.4472
1758.8531 72.1348	1763.4252 72.2936	1767.9972 72.4525
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1759.158 72.1454	1763.73 72.3042	1768.302 72.4631
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1759.6152 72.1612	1764.1873 72.3201	1768.7592 72.4789
1759.7676 72.1665	1764.3396 72.3254	1768.9116 72.4842
1759.92 72.1718	1764.4919 72.3307	1769.064 72.4895
1760.0724 72.1771	1764.6444 72.336	1769.2164 72.4948
1760.2249 72.1824	1764.7968 72.3413	1769.3688 72.5001
1760.3772 72.1877	1764.9492 72.3466	1769.5212 72.5054
1760.5295 72.193	1765.1016 72.3519	1769.6736 72.5107
1760.682 72.1983	1765.254 72.3572	1769.826 72.516
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1760.9868 72.2089	1765.5588 72.3677	1770.1309 72.5266
1761.1392 72.2142	1765.7112 72.373	1770.2832 72.5319
1761.2916 72.2195	1765.8636 72.3783	1770.4355 72.5372
1761.444 72.2248	1766.016 72.3836	1770.588 72.5425
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1761.7488 72.2354	1766.3208 72.3942	1770.8928 72.5531
1761.9012 72.2407	1766.4731 72.3995	1771.0452 72.5584

1771.1976 72.5637	1775.7697 72.7225	1780.3416 72.8814
1771.35 72.569	1775.922 72.7278	1780.494 72.8867
1771.5024 72.5742	1776.0743 72.7331	1780.6464 72.8919
1771.6548 72.5795	1776.2268 72.7384	1780.7988 72.8972
1771.8073 72.5848	1776.3792 72.7437	1780.9512 72.9025
1771.9596 72.5901	1776.5316 72.749	1781.1036 72.9078
1772.1121 72.5954	1776.684 72.7543	1781.256 72.9131
1772.2644 72.6007	1776.8364 72.7596	1781.4084 72.9184
1772.4167 72.606	1776.9888 72.7649	1781.5608 72.9237
1772.5692 72.6113	1777.1412 72.7702	1781.7133 72.929
1772.7216 72.6166	1777.2936 72.7755	1781.8656 72.9343
1772.874 72.6219	1777.446 72.7808	1782.0179 72.9396
1773.0264 72.6272	1777.5984 72.786	1782.1704 72.9449
1773.1788 72.6325	1777.7509 72.7913	1782.3228 72.9502
1773.3312 72.6378	1777.9032 72.7966	1782.4752 72.9555
1773.4836 72.6431	1778.0555 72.8019	1782.6276 72.9608
1773.636 72.6484	1778.208 72.8072	1782.78 72.9661
1773.7885 72.6537	1778.3604 72.8125	1782.9324 72.9714
1773.9408 72.659	1778.5128 72.8178	1783.0848 72.9767
1774.0931 72.6643	1778.6652 72.8231	1783.2372 72.982
1774.2456 72.6696	1778.8176 72.8284	1783.3896 72.9873
1774.3979 72.6749	1778.97 72.8337	1783.542 72.9926
1774.5504 72.6801	1779.1224 72.839	1783.6945 72.9978
1774.7028 72.6854	1779.2748 72.8443	1783.8468 73.0031
1774.8552 72.6907	1779.4272 72.8496	1783.9991 73.0084
1775.0076 72.696	1779.5796 72.8549	1784.1516 73.0137
1775.16 72.7013	1779.7321 72.8602	1784.304 73.019
1775.3124 72.7066	1779.8844 72.8655	1784.4564 73.0243
1775.4648 72.7119	1780.0367 72.8708	1784.6088 73.0296
1775.6172 72.7172	1780.1892 72.8761	1784.7612 73.0349

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1785.066 73.0455	1789.6379 73.2043	1794.21 73.3632
1785.2184 73.0508	1789.7904 73.2096	1794.3624 73.3685
1785.3708 73.0561	1789.9427 73.2149	1794.5148 73.3738
1785.5232 73.0614	1790.0952 73.2202	1794.6672 73.3791
1785.6757 73.0667	1790.2476 73.2255	1794.8196 73.3844
1785.828 73.072	1790.4 73.2308	1794.972 73.3897
1785.9803 73.0773	1790.5524 73.2361	1795.1244 73.395
1786.1328 73.0826	1790.7048 73.2414	1795.2769 73.4003
1786.2852 73.0879	1790.8572 73.2467	1795.4292 73.4056
1786.4376 73.0932	1791.0096 73.252	1795.5815 73.4109
1786.59 73.0984	1791.162 73.2573	1795.734 73.4161
1786.7424 73.1037	1791.3145 73.2626	1795.8864 73.4214
1786.8948 73.109	1791.4668 73.2679	1796.0388 73.4267
1787.0472 73.1143	1791.6191 73.2732	1796.1912 73.432
1787.1996 73.1196	1791.7716 73.2785	1796.3436 73.4373
1787.3521 73.1249	1791.924 73.2838	1796.496 73.4426
1787.5044 73.1302	1792.0764 73.2891	1796.6484 73.4479
1787.6569 73.1355	1792.2288 73.2944	1796.8008 73.4532
1787.8092 73.1408	1792.3812 73.2997	1796.9532 73.4585
1787.9615 73.1461	1792.5336 73.3049	1797.1056 73.4638
1788.114 73.1514	1792.686 73.3102	1797.2581 73.4691
1788.2664 73.1567	1792.8384 73.3155	1797.4104 73.4744
1788.4188 73.162	1792.9908 73.3208	1797.5627 73.4797
1788.5712 73.1673	1793.1432 73.3261	1797.7152 73.485
1788.7236 73.1726	1793.2957 73.3314	1797.8676 73.4903
1788.876 73.1779	1793.448 73.3367	1798.02 73.4956
1789.0284 73.1832	1793.6003 73.342	1798.1724 73.5009
1789.1808 73.1885	1793.7528 73.3473	1798.3248 73.5062
1789.3333 73.1938	1793.9052 73.3526	1798.4772 73.5115

1798.6296 73.5168	1803.2017 73.6756	1807.7736 73.8344
1798.782 73.522	1803.354 73.6809	1807.926 73.8397
1798.9344 73.5273	1803.5063 73.6862	1808.0784 73.845
1799.0868 73.5326	1803.6588 73.6915	1808.2308 73.8503
1799.2393 73.5379	1803.8112 73.6968	1808.3832 73.8556
1799.3916 73.5432	1803.9636 73.7021	1808.5356 73.8609
1799.5439 73.5485	1804.116 73.7074	1808.688 73.8662
1799.6964 73.5538	1804.2684 73.7127	1808.8405 73.8715
1799.8488 73.5591	1804.4208 73.718	1808.9928 73.8768
1800.0012 73.5644	1804.5732 73.7233	1809.1451 73.8821
1800.1536 73.5697	1804.7256 73.7285	1809.2976 73.8874
1800.306 73.575	1804.8781 73.7338	1809.45 73.8927
1800.4584 73.5803	1805.0304 73.7391	1809.6024 73.898
1800.6108 73.5856	1805.1827 73.7444	1809.7548 73.9033
1800.7632 73.5909	1805.3352 73.7497	1809.9072 73.9086
1800.9156 73.5962	1805.4875 73.755	1810.0596 73.9139
1801.068 73.6015	1805.64 73.7603	1810.212 73.9192
1801.2205 73.6068	1805.7924 73.7656	1810.3644 73.9245
1801.3728 73.6121	1805.9448 73.7709	1810.5168 73.9298
1801.5251 73.6174	1806.0972 73.7762	1810.6692 73.9351
1801.6776 73.6227	1806.2496 73.7815	1810.8217 73.9404
1801.83 73.6279	1806.402 73.7868	1810.974 73.9456
1801.9824 73.6332	1806.5544 73.7921	1811.1263 73.9509
1802.1348 73.6385	1806.7068 73.7974	1811.2788 73.9562
1802.2872 73.6438	1806.8593 73.8027	1811.4312 73.9615
1802.4396 73.6491	1807.0116 73.808	1811.5836 73.9668
1802.592 73.6544	1807.1639 73.8133	1811.736 73.9721
1802.7444 73.6597	1807.3164 73.8186	1811.8884 73.9774
1802.8969 73.665	1807.4688 73.8239	1812.0408 73.9827
1803.0492 73.6703	1807.6212 73.8292	1812.1932 73.988

1812.3456 73.9933	1816.9176 74.1521	1821.4896 74.311
1812.498 73.9986	1817.0699 74.1574	1821.642 74.3163
1812.6504 74.0039	1817.2224 74.1627	1821.7944 74.3216
1812.8029 74.0092	1817.3748 74.168	1821.9468 74.3269
1812.9552 74.0145	1817.5272 74.1733	1822.0992 74.3322
1813.1075 74.0198	1817.6796 74.1786	1822.2516 74.3375
1813.26 74.0251	1817.832 74.1839	1822.4041 74.3428
1813.4124 74.0304	1817.9844 74.1892	1822.5564 74.3481
1813.5648 74.0357	1818.1368 74.1945	1822.7087 74.3534
1813.7172 74.041	1818.2892 74.1998	1822.8612 74.3587
1813.8696 74.0462	1818.4417 74.2051	1823.0135 74.3639
1814.022 74.0515	1818.594 74.2104	1823.166 74.3692
1814.1744 74.0568	1818.7465 74.2157	1823.3184 74.3745
1814.3268 74.0621	1818.8988 74.221	1823.4708 74.3798
1814.4792 74.0674	1819.0511 74.2263	1823.6232 74.3851
1814.6316 74.0727	1819.2036 74.2316	1823.7756 74.3904
1814.7841 74.078	1819.356 74.2369	1823.928 74.3957
1814.9364 74.0833	1819.5084 74.2422	1824.0804 74.401
1815.0887 74.0886	1819.6608 74.2475	1824.2328 74.4063
1815.2412 74.0939	1819.8132 74.2528	1824.3853 74.4116
1815.3936 74.0992	1819.9656 74.258	1824.5376 74.4169
1815.546 74.1045	1820.118 74.2633	1824.6899 74.4222
1815.6984 74.1098	1820.2704 74.2686	1824.8424 74.4275
1815.8508 74.1151	1820.4229 74.2739	1824.9948 74.4328
1816.0032 74.1204	1820.5752 74.2792	1825.1472 74.4381
1816.1556 74.1257	1820.7275 74.2845	1825.2996 74.4434
1816.308 74.131	1820.88 74.2898	1825.452 74.4487
1816.4604 74.1363	1821.0323 74.2951	1825.6044 74.454
1816.6128 74.1416	1821.1848 74.3004	1825.7568 74.4593
1816.7653 74.1469	1821.3372 74.3057	1825.9092 74.4646

1826.0616 74.4698	1830.6335 74.6287	1835.2056 74.7875
1826.214 74.4751	1830.786 74.634	1835.358 74.7928
1826.3665 74.4804	1830.9384 74.6393	1835.5104 74.7981
1826.5188 74.4857	1831.0908 74.6446	1835.6628 74.8034
1826.6711 74.491	1831.2432 74.6499	1835.8152 74.8087
1826.8236 74.4963	1831.3956 74.6552	1835.9677 74.814
1826.976 74.5016	1831.548 74.6605	1836.12 74.8193
1827.1284 74.5069	1831.7004 74.6658	1836.2725 74.8246
1827.2808 74.5122	1831.8528 74.6711	1836.4248 74.8299
1827.4332 74.5175	1832.0052 74.6763	1836.5771 74.8352
1827.5856 74.5228	1832.1576 74.6816	1836.7296 74.8405
1827.738 74.5281	1832.3101 74.6869	1836.882 74.8458
1827.8904 74.5334	1832.4624 74.6922	1837.0344 74.8511
1828.0428 74.5387	1832.6147 74.6975	1837.1868 74.8564
1828.1952 74.544	1832.7672 74.7028	1837.3392 74.8617
1828.3477 74.5493	1832.9196 74.7081	1837.4916 74.867
1828.5 74.5546	1833.072 74.7134	1837.644 74.8723
1828.6523 74.5599	1833.2244 74.7187	1837.7964 74.8776
1828.8048 74.5652	1833.3768 74.724	1837.9489 74.8829
1828.9572 74.5704	1833.5292 74.7293	1838.1012 74.8881
1829.1096 74.5757	1833.6816 74.7346	1838.2535 74.8934
1829.262 74.581	1833.834 74.7399	1838.406 74.8987
1829.4144 74.5863	1833.9865 74.7452	1838.5583 74.904
1829.5668 74.5916	1834.1388 74.7505	1838.7108 74.9093
1829.7192 74.5969	1834.2913 74.7558	1838.8632 74.9146
1829.8716 74.6022	1834.4436 74.7611	1839.0156 74.9199
1830.024 74.6075	1834.5959 74.7664	1839.168 74.9252
1830.1764 74.6128	1834.7484 74.7717	1839.3204 74.9305
1830.3289 74.6181	1834.9008 74.7769	1839.4728 74.9358
1830.4812 74.6234	1835.0532 74.7822	1839.6252 74.9411

1839.7776 74.9464	1844.3496 75.1052	1848.9216 75.2641
1839.9301 74.9517	1844.502 75.1105	1849.074 75.2694
1840.0824 74.957	1844.6544 75.1158	1849.2264 75.2747
1840.2347 74.9623	1844.8068 75.1211	1849.3788 75.28
1840.3872 74.9676	1844.9592 75.1264	1849.5313 75.2853
1840.5396 74.9729	1845.1116 75.1317	1849.6836 75.2906
1840.692 74.9782	1845.264 75.137	1849.8361 75.2959
1840.8444 74.9835	1845.4164 75.1423	1849.9884 75.3012
1840.9968 74.9888	1845.5688 75.1476	1850.1407 75.3064
1841.1492 74.994	1845.7212 75.1529	1850.2932 75.3117
1841.3016 74.9993	1845.8737 75.1582	1850.4456 75.317
1841.454 75.0046	1846.026 75.1635	1850.598 75.3223
1841.6064 75.0099	1846.1783 75.1688	1850.7504 75.3276
1841.7588 75.0152	1846.3308 75.1741	1850.9028 75.3329
1841.9113 75.0205	1846.4832 75.1794	1851.0552 75.3382
1842.0636 75.0258	1846.6356 75.1847	1851.2076 75.3435
1842.2159 75.0311	1846.788 75.19	1851.36 75.3488
1842.3684 75.0364	1846.9404 75.1953	1851.5125 75.3541
1842.5208 75.0417	1847.0928 75.2005	1851.6648 75.3594
1842.6732 75.047	1847.2452 75.2058	1851.8173 75.3647
1842.8256 75.0523	1847.3976 75.2111	1851.9696 75.37
1842.978 75.0576	1847.55 75.2164	1852.1219 75.3753
1843.1304 75.0629	1847.7024 75.2217	1852.2744 75.3806
1843.2828 75.0682	1847.8549 75.227	1852.4268 75.3859
1843.4352 75.0735	1848.0072 75.2323	1852.5792 75.3912
1843.5876 75.0788	1848.1595 75.2376	1852.7316 75.3965
1843.74 75.0841	1848.312 75.2429	1852.884 75.4018
1843.8925 75.0894	1848.4644 75.2482	1853.0364 75.4071
1844.0448 75.0947	1848.6168 75.2535	1853.1888 75.4124
1844.1971 75.0999	1848.7692 75.2588	1853.3412 75.4176

1853.4937 75.4229	1858.0656 75.5818	1862.6376 75.7406
1853.646 75.4282	1858.218 75.5871	1862.79 75.7459
1853.7983 75.4335	1858.3704 75.5924	1862.9424 75.7512
1853.9508 75.4388	1858.5228 75.5977	1863.0948 75.7565
1854.1031 75.4441	1858.6752 75.603	1863.2472 75.7618
1854.2556 75.4494	1858.8276 75.6083	1863.3997 75.7671
1854.408 75.4547	1858.98 75.6136	1863.552 75.7724
1854.5604 75.46	1859.1324 75.6189	1863.7043 75.7777
1854.7128 75.4653	1859.2848 75.6241	1863.8568 75.783
1854.8652 75.4706	1859.4373 75.6294	1864.0092 75.7883
1855.0176 75.4759	1859.5896 75.6347	1864.1616 75.7936
1855.17 75.4812	1859.7419 75.64	1864.314 75.7989
1855.3224 75.4865	1859.8944 75.6453	1864.4664 75.8042
1855.4749 75.4918	1860.0468 75.6506	1864.6188 75.8095
1855.6272 75.4971	1860.1992 75.6559	1864.7712 75.8148
1855.7795 75.5024	1860.3516 75.6612	1864.9236 75.8201
1855.932 75.5077	1860.504 75.6665	1865.076 75.8254
1856.0844 75.513	1860.6564 75.6718	1865.2284 75.8307
1856.2368 75.5182	1860.8088 75.6771	1865.3809 75.836
1856.3892 75.5235	1860.9612 75.6824	1865.5332 75.8412
1856.5416 75.5288	1861.1136 75.6877	1865.6855 75.8465
1856.694 75.5341	1861.266 75.693	1865.838 75.8518
1856.8464 75.5394	1861.4185 75.6983	1865.9904 75.8571
1856.9988 75.5447	1861.5708 75.7036	1866.1428 75.8624
1857.1512 75.55	1861.7231 75.7089	1866.2952 75.8677
1857.3036 75.5553	1861.8756 75.7142	1866.4476 75.873
1857.4561 75.5606	1862.028 75.7195	1866.6 75.8783
1857.6084 75.5659	1862.1804 75.7248	1866.7524 75.8836
1857.7607 75.5712	1862.3328 75.73	1866.9048 75.8889
1857.9132 75.5765	1862.4852 75.7354	1867.0573 75.8942

1867.2096 75.8995	1871.7816 76.0583	1876.3536 76.2172
1867.3621 75.9048	1871.934 76.0636	1876.506 76.2225
1867.5144 75.9101	1872.0864 76.0689	1876.6584 76.2278
1867.6667 75.9154	1872.2388 76.0742	1876.8108 76.2331
1867.8192 75.9207	1872.3912 76.0795	1876.9633 76.2384
1867.9716 75.926	1872.5436 76.0848	1877.1156 76.2437
1868.124 75.9313	1872.696 76.0901	1877.2679 76.2489
1868.2764 75.9366	1872.8484 76.0954	1877.4204 76.2542
1868.4288 75.9418	1873.0009 76.1007	1877.5728 76.2595
1868.5812 75.9471	1873.1532 76.106	1877.7252 76.2648
1868.7336 75.9524	1873.3055 76.1113	1877.8776 76.2701
1868.886 75.9577	1873.458 76.1166	1878.03 76.2754
1869.0385 75.963	1873.6104 76.1219	1878.1824 76.2807
1869.1908 75.9683	1873.7628 76.1272	1878.3348 76.286
1869.3431 75.9736	1873.9152 76.1325	1878.4872 76.2913
1869.4956 75.9789	1874.0676 76.1378	1878.6396 76.2966
1869.6479 75.9842	1874.22 76.1431	1878.792 76.3019
1869.8004 75.9895	1874.3724 76.1483	1878.9445 76.3072
1869.9528 75.9948	1874.5248 76.1536	1879.0968 76.3125
1870.1052 76.0001	1874.6772 76.1589	1879.2491 76.3178
1870.2576 76.0054	1874.8296 76.1642	1879.4016 76.3231
1870.41 76.0107	1874.9821 76.1695	1879.554 76.3284
1870.5624 76.016	1875.1344 76.1748	1879.7064 76.3337
1870.7148 76.0213	1875.2867 76.1801	1879.8588 76.339
1870.8672 76.0266	1875.4392 76.1854	1880.0112 76.3443
1871.0197 76.0319	1875.5916 76.1907	1880.1636 76.3496
1871.172 76.0372	1875.744 76.196	1880.316 76.3549
1871.3243 76.0424	1875.8964 76.2013	1880.4684 76.3602
1871.4768 76.0477	1876.0488 76.2066	1880.6208 76.3654
1871.6292 76.053	1876.2012 76.2119	1880.7732 76.3707

1880.9257 76.376	1885.4976 76.5349	1890.0696 76.6937
1881.078 76.3813	1885.65 76.5402	1890.222 76.699
1881.2303 76.3866	1885.8024 76.5455	1890.3744 76.7043
1881.3828 76.3919	1885.9548 76.5508	1890.5269 76.7096
1881.5352 76.3972	1886.1072 76.5561	1890.6792 76.7149
1881.6876 76.4025	1886.2596 76.5614	1890.8315 76.7202
1881.84 76.4078	1886.412 76.5667	1890.984 76.7255
1881.9924 76.4131	1886.5645 76.572	1891.1364 76.7308
1882.1448 76.4184	1886.7168 76.5772	1891.2888 76.7361
1882.2972 76.4237	1886.8691 76.5825	1891.4412 76.7414
1882.4496 76.429	1887.0216 76.5878	1891.5936 76.7467
1882.6021 76.4343	1887.174 76.5931	1891.746 76.752
1882.7544 76.4396	1887.3264 76.5984	1891.8984 76.7573
1882.9069 76.4449	1887.4788 76.6037	1892.0508 76.7626
1883.0592 76.4502	1887.6312 76.609	1892.2032 76.7679
1883.2115 76.4555	1887.7836 76.6143	1892.3556 76.7732
1883.364 76.4608	1887.936 76.6196	1892.5081 76.7785
1883.5164 76.466	1888.0884 76.6249	1892.6604 76.7837
1883.6688 76.4713	1888.2408 76.6302	1892.8127 76.789
1883.8212 76.4766	1888.3932 76.6355	1892.9652 76.7943
1883.9736 76.4819	1888.5457 76.6408	1893.1176 76.7996
1884.126 76.4872	1888.698 76.6461	1893.27 76.8049
1884.2784 76.4925	1888.8503 76.6514	1893.4224 76.8102
1884.4308 76.4978	1889.0028 76.6567	1893.5748 76.8155
1884.5833 76.5031	1889.1552 76.662	1893.7272 76.8208
1884.7356 76.5084	1889.3076 76.6673	1893.8796 76.8261
1884.8879 76.5137	1889.46 76.6725	1894.032 76.8314
1885.0404 76.519	1889.6124 76.6778	1894.1844 76.8367
1885.1927 76.5243	1889.7648 76.6831	1894.3368 76.842
1885.3452 76.5296	1889.9172 76.6884	1894.4893 76.8473

1894.6416 76.8526	1899.2136 77.0114	1903.7856 77.1703
1894.7939 76.8579	1899.366 77.0167	1903.938 77.1756
1894.9464 76.8632	1899.5184 77.022	1904.0905 77.1809
1895.0988 76.8685	1899.6708 77.0273	1904.2428 77.1862
1895.2512 76.8738	1899.8232 77.0326	1904.3951 77.1915
1895.4036 76.8791	1899.9756 77.0379	1904.5476 77.1968
1895.556 76.8844	1900.1281 77.0432	1904.7 77.202
1895.7084 76.8896	1900.2804 77.0485	1904.8524 77.2074
1895.8608 76.8949	1900.4327 77.0538	1905.0048 77.2126
1896.0132 76.9002	1900.5852 77.0591	1905.1572 77.2179
1896.1656 76.9055	1900.7375 77.0644	1905.3096 77.2232
1896.318 76.9108	1900.89 77.0697	1905.462 77.2285
1896.4705 76.9161	1901.0424 77.075	1905.6144 77.2338
1896.6228 76.9214	1901.1948 77.0803	1905.7668 77.2391
1896.7751 76.9267	1901.3472 77.0856	1905.9192 77.2444
1896.9276 76.932	1901.4996 77.0909	1906.0717 77.2497
1897.08 76.9373	1901.652 77.0961	1906.224 77.255
1897.2324 76.9426	1901.8044 77.1014	1906.3763 77.2603
1897.3848 76.9479	1901.9568 77.1067	1906.5288 77.2656
1897.5372 76.9532	1902.1093 77.112	1906.6812 77.2709
1897.6896 76.9585	1902.2616 77.1173	1906.8336 77.2762
1897.842 76.9638	1902.4139 77.1226	1906.986 77.2815
1897.9944 76.9691	1902.5664 77.1279	1907.1384 77.2868
1898.1469 76.9744	1902.7188 77.1332	1907.2908 77.2921
1898.2992 76.9797	1902.8712 77.1385	1907.4432 77.2974
1898.4517 76.985	1903.0236 77.1438	1907.5956 77.3027
1898.604 76.9902	1903.176 77.1491	1907.748 77.308
1898.7563 76.9955	1903.3284 77.1544	1907.9004 77.3132
1898.9088 77.0008	1903.4808 77.1597	1908.0529 77.3185
1899.0612 77.0061	1903.6332 77.165	1908.2052 77.3238

1908.3575 77.3291	1912.9296 77.488	1917.5016 77.6468
1908.51 77.3344	1913.082 77.4933	1917.6541 77.6521
1908.6624 77.3397	1913.2344 77.4986	1917.8064 77.6574
1908.8148 77.345	1913.3868 77.5039	1917.9587 77.6627
1908.9672 77.3503	1913.5392 77.5092	1918.1112 77.668
1909.1196 77.3556	1913.6917 77.5145	1918.2635 77.6733
1909.272 77.3609	1913.844 77.5197	1918.416 77.6786
1909.4244 77.3662	1913.9965 77.525	1918.5684 77.6839
1909.5768 77.3715	1914.1488 77.5303	1918.7208 77.6892
1909.7292 77.3768	1914.3011 77.5356	1918.8732 77.6945
1909.8816 77.3821	1914.4536 77.5409	1919.0256 77.6998
1910.0341 77.3874	1914.606 77.5462	1919.178 77.7051
1910.1864 77.3927	1914.7584 77.5515	1919.3304 77.7104
1910.3387 77.398	1914.9108 77.5568	1919.4828 77.7157
1910.4912 77.4033	1915.0632 77.5621	1919.6353 77.721
1910.6436 77.4086	1915.2156 77.5674	1919.7876 77.7262
1910.796 77.4138	1915.368 77.5727	1919.9399 77.7315
1910.9484 77.4191	1915.5204 77.578	1920.0924 77.7368
1911.1008 77.4244	1915.6729 77.5833	1920.2448 77.7421
1911.2532 77.4297	1915.8252 77.5886	1920.3972 77.7474
1911.4056 77.435	1915.9775 77.5939	1920.5496 77.7527
1911.558 77.4403	1916.13 77.5992	1920.702 77.758
1911.7104 77.4456	1916.2823 77.6045	1920.8544 77.7633
1911.8628 77.4509	1916.4348 77.6098	1921.0068 77.7686
1912.0153 77.4562	1916.5872 77.6151	1921.1592 77.7739
1912.1676 77.4615	1916.7396 77.6203	1921.3116 77.7792
1912.3199 77.4668	1916.892 77.6256	1921.464 77.7845
1912.4724 77.4721	1917.0444 77.6309	1921.6165 77.7898
1912.6248 77.4774	1917.1968 77.6362	1921.7688 77.7951
1912.7772 77.4827	1917.3492 77.6415	1921.9211 77.8004

1922.0736 77.8057	1926.6456 77.9645	1931.2177 78.1234
1922.226 77.811	1926.798 77.9698	1931.37 78.1287
1922.3784 77.8163	1926.9504 77.9751	1931.5225 78.134
1922.5308 77.8216	1927.1028 77.9804	1931.6748 78.1393
1922.6832 77.8269	1927.2552 77.9857	1931.8271 78.1445
1922.8356 77.8322	1927.4076 77.991	1931.9796 78.1498
1922.988 77.8374	1927.5601 77.9963	1932.132 78.1551
1923.1404 77.8427	1927.7124 78.0016	1932.2844 78.1604
1923.2928 77.848	1927.8647 78.0069	1932.4368 78.1657
1923.4452 77.8533	1928.0172 78.0122	1932.5892 78.171
1923.5977 77.8586	1928.1696 78.0175	1932.7416 78.1763
1923.75 77.8639	1928.322 78.0228	1932.894 78.1816
1923.9023 77.8692	1928.4744 78.0281	1933.0464 78.1869
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1924.2072 77.8798	1928.7792 78.0387	1933.3512 78.1975
1924.3596 77.8851	1928.9316 78.044	1933.5035 78.2028
1924.512 77.8904	1929.084 78.0492	1933.656 78.2081
1924.6644 77.8957	1929.2365 78.0545	1933.8083 78.2134
1924.8168 77.901	1929.3888 78.0598	1933.9608 78.2187
1924.9692 77.9063	1929.5413 78.0651	1934.1132 78.224
1925.1216 77.9116	1929.6936 78.0704	1934.2656 78.2293
1925.274 77.9169	1929.8459 78.0757	1934.418 78.2346
1925.4264 77.9222	1929.9984 78.081	1934.5704 78.2399
1925.5789 77.9275	1930.1508 78.0863	1934.7228 78.2452
1925.7312 77.9328	1930.3032 78.0916	1934.8752 78.2505
1925.8835 77.938	1930.4556 78.0969	1935.0276 78.2557
1926.036 77.9433	1930.608 78.1022	1935.1801 78.261
1926.1884 77.9486	1930.7604 78.1075	1935.3324 78.2663
1926.3408 77.9539	1930.9128 78.1128	1935.4847 78.2716
1926.4932 77.9592	1931.0652 78.1181	1935.6372 78.2769

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1936.0944 78.2928	1940.6664 78.4517	1945.2384 78.6105
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1936.3992 78.3034	1940.9712 78.4622	1945.5432 78.6211
1936.5516 78.3087	1941.1237 78.4675	1945.6956 78.6264
1936.704 78.314	1941.276 78.4728	1945.848 78.6317
1936.8564 78.3193	1941.4283 78.4781	1946.0004 78.637
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1937.4659 78.3405	1942.038 78.4993	1946.61 78.6582
1937.6184 78.3458	1942.1904 78.5046	1946.7625 78.6635
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1937.9232 78.3564	1942.4952 78.5152	1947.0673 78.6741
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1938.228 78.3669	1942.8 78.5258	1947.3719 78.6846
1938.3804 78.3722	1942.9524 78.5311	1947.5244 78.6899
1938.5328 78.3775	1943.1049 78.5364	1947.6768 78.6952
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1938.8376 78.3881	1943.4095 78.547	1947.9816 78.7058
1938.99 78.3934	1943.562 78.5523	1948.134 78.7111
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1939.5996 78.4146	1944.1716 78.5734	1948.7437 78.7323
1939.752 78.4199	1944.324 78.5787	1948.896 78.7376
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1940.2092 78.4358	1944.7813 78.5946	1949.3531 78.7535

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1949.8104 78.7694	1954.3824 78.9282	1958.9543 79.0871
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1950.42 78.7905	1954.9919 78.9494	1959.564 79.1082
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1950.7249 78.8011	1955.2968 78.96	1959.8688 79.1188
1950.8772 78.8064	1955.4492 78.9653	1960.0212 79.1241
1951.0295 78.8117	1955.6016 78.9706	1960.1736 79.1294
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1952.2488 78.8541	1956.8208 79.0129	1961.3928 79.1718
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1952.8584 78.8753	1957.4304 79.0341	1962.0024 79.193
1953.0107 78.8806	1957.5828 79.0394	1962.1548 79.1982
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1953.3156 78.8911	1957.8876 79.05	1962.4596 79.2088
1953.468 78.8964	1958.04 79.0553	1962.6121 79.2141
1953.6204 78.9017	1958.1924 79.0606	1962.7644 79.2194
1953.7728 78.907	1958.3448 79.0659	1962.9167 79.2247
1953.9252 78.9123	1958.4972 79.0712	1963.0692 79.23

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1963.374 79.2406	1967.946 79.3995	1972.5179 79.5583
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1963.8312 79.2565	1968.4032 79.4153	1972.9752 79.5742
1963.9836 79.2618	1968.5555 79.4206	1973.1276 79.5795
1964.136 79.2671	1968.708 79.4259	1973.28 79.5848
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1964.8979 79.2936	1969.47 79.4524	1974.042 79.6113
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1965.2028 79.3042	1969.7748 79.463	1974.3468 79.6218
1965.3552 79.3094	1969.9272 79.4683	1974.4991 79.6271
1965.5076 79.3147	1970.0796 79.4736	1974.6516 79.6324
1965.66 79.32	1970.2321 79.4789	1974.804 79.6377
1965.8124 79.3253	1970.3844 79.4842	1974.9564 79.643
1965.9648 79.3306	1970.5367 79.4895	1975.1088 79.6483
1966.1172 79.3359	1970.6892 79.4948	1975.2612 79.6536
1966.2697 79.3412	1970.8416 79.5001	1975.4136 79.6589
1966.422 79.3465	1970.994 79.5054	1975.566 79.6642
1966.5743 79.3518	1971.1464 79.5107	1975.7184 79.6695
1966.7268 79.3571	1971.2988 79.516	1975.8708 79.6748
1966.8792 79.3624	1971.4512 79.5212	1976.0232 79.6801
1967.0316 79.3677	1971.6036 79.5265	1976.1757 79.6854
1967.184 79.373	1971.756 79.5318	1976.328 79.6907
1967.3364 79.3783	1971.9084 79.5371	1976.4803 79.696
1967.4888 79.3836	1972.0608 79.5424	1976.6328 79.7013
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1978.3092 79.7595	1982.8812 79.9184	1987.4532 80.0772
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1979.8333 79.8125	1984.4052 79.9713	1988.9772 80.1302
1979.9856 79.8178	1984.5576 79.9766	1989.1296 80.1355
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1980.7476 79.8442	1985.3196 80.0031	1989.8916 80.1619
1980.9 79.8495	1985.472 80.0084	1990.0439 80.1672
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1981.3572 79.8654	1985.9292 80.0243	1990.5012 80.1831

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1990.9584 80.199	1995.5304 80.3578	2000.1024 80.5167
1991.1108 80.2043	1995.6827 80.3631	2000.2548 80.522
1991.2632 80.2096	1995.8352 80.3684	2000.4072 80.5273
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1991.568 80.2202	1996.14 80.379	2000.712 80.5379
1991.7205 80.2255	1996.2924 80.3843	2000.8644 80.5432
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1993.092 80.2731	1997.6639 80.432	2002.236 80.5908
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2019 81.1733	2023.572 81.3321	2028.144 81.491
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2020.2192 81.2156	2024.7913 81.3745	2029.3632 81.5333
2020.3716 81.2209	2024.9436 81.3798	2029.5156 81.5386
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2020.8289 81.2368	2025.4008 81.3957	2029.9728 81.5545
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2021.1335 81.2474	2025.7056 81.4063	2030.2776 81.5651
2021.286 81.2527	2025.858 81.4115	2030.4301 81.5704
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2022.2004 81.2845	2026.7725 81.4433	2031.3444 81.6022
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2032.4113 81.6392	2036.9832 81.7981	2041.5552 81.9569
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2035.9164 81.761	2040.4884 81.9199	2045.0604 82.0787
2036.0688 81.7663	2040.6407 81.9252	2045.2128 82.084
2036.2212 81.7716	2040.7932 81.9305	2045.3652 82.0893

2045.5176 82.0946	2050.0896 82.2534	2054.6616 82.4123
2045.67 82.0999	2050.2419 82.2587	2054.814 82.4176
2045.8224 82.1052	2050.3943 82.264	2054.9663 82.4229
2045.9749 82.1105	2050.5469 82.2693	2055.1189 82.4282
2046.1272 82.1158	2050.6992 82.2746	2055.2712 82.4335
2046.2795 82.1211	2050.8516 82.2799	2055.4236 82.4388
2046.432 82.1264	2051.0039 82.2852	2055.5759 82.4441
2046.5844 82.1317	2051.1565 82.2905	2055.7285 82.4494
2046.7368 82.137	2051.3088 82.2958	2055.8809 82.4547
2046.8892 82.1423	2051.4612 82.3011	2056.0332 82.46
2047.0416 82.1476	2051.6135 82.3064	2056.1855 82.4652
2047.194 82.1528	2051.7661 82.3117	2056.3379 82.4705
2047.3464 82.1581	2051.9185 82.317	2056.4905 82.4758
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2047.6512 82.1687	2052.2231 82.3276	2056.7952 82.4864
2047.8036 82.174	2052.3755 82.3329	2056.9475 82.4917
2047.9561 82.1793	2052.5281 82.3382	2057.1001 82.497
2048.1084 82.1846	2052.6804 82.3435	2057.2524 82.5023
2048.2607 82.1899	2052.8328 82.3488	2057.4048 82.5076
2048.4131 82.1952	2052.9851 82.354	2057.5571 82.5129
2048.5657 82.2005	2053.1377 82.3594	2057.7097 82.5182
2048.718 82.2058	2053.29 82.3646	2057.8621 82.5235
2048.8704 82.2111	2053.4424 82.3699	2058.0144 82.5288
2049.0227 82.2164	2053.5947 82.3752	2058.1667 82.5341
2049.1753 82.2217	2053.7473 82.3805	2058.3191 82.5394
2049.3276 82.227	2053.8997 82.3858	2058.4717 82.5447
2049.48 82.2323	2054.052 82.3911	2058.624 82.55
2049.6323 82.2376	2054.2043 82.3964	2058.7764 82.5553
2049.7849 82.2429	2054.3567 82.4017	2058.9287 82.5605
2049.9373 82.2482	2054.5093 82.407	2059.0813 82.5659

2059.2336 82.5712	2063.8057 82.73	2068.3777 82.8888
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2061.3672 82.6453	2065.9392 82.8041	2070.5112 82.963
2061.5195 82.6506	2066.0916 82.8094	2070.6636 82.9683
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2061.8245 82.6612	2066.3965 82.82	2070.9685 82.9789
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2088.0371 83.5719	2092.6091 83.7307	2097.1812 83.8896
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2089.7136 83.6301	2094.2856 83.789	2098.8577 83.9478
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2091.0852 83.6778	2095.6572 83.8366	2100.2292 83.9955

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2100.8389 84.0167	2105.4109 84.1755	2109.9829 84.3344
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2101.7532 84.0484	2106.3252 84.2073	2110.8972 84.3661
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2102.8201 84.0855	2107.3921 84.2444	2111.9641 84.4032
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2117.9077 84.6097	2122.4795 84.7686	2127.0515 84.9274
2118.0601 84.615	2122.6321 84.7738	2127.2041 84.9327
2118.2124 84.6203	2122.7844 84.7791	2127.3564 84.938
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2128.4231 84.9751	2132.9951 85.1339	2137.5671 85.2928
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2128.728 84.9856	2133.3 85.1445	2137.8721 85.3033
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2129.3376 85.0068	2133.9097 85.1657	2138.4817 85.3245
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2156.9221 85.9652	2161.4939 86.1241	2166.0659 86.2829
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2157.5315 85.9864	2162.1035 86.1452	2166.6755 86.3041
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2158.446 86.0182	2163.0181 86.177	2167.5901 86.3359
2158.5984 86.0235	2163.1704 86.1823	2167.7424 86.3412
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2158.9033 86.0341	2163.4751 86.1929	2168.0471 86.3517
2159.0557 86.0394	2163.6277 86.1982	2168.1997 86.3571
2159.208 86.0446	2163.78 86.2035	2168.3521 86.3623
2159.3604 86.0499	2163.9324 86.2088	2168.5044 86.3676
2159.5127 86.0552	2164.0847 86.2141	2168.6567 86.3729
2159.6653 86.0605	2164.2373 86.2194	2168.8091 86.3782

2168.9617 86.3835	2173.5337 86.5424	2178.1057 86.7012
2169.114 86.3888	2173.686 86.5477	2178.2581 86.7065
2169.2664 86.3941	2173.8384 86.553	2178.4104 86.7118
2169.4187 86.3994	2173.9907 86.5583	2178.5627 86.7171
2169.5713 86.4047	2174.1433 86.5636	2178.7151 86.7224
2169.7236 86.41	2174.2957 86.5688	2178.8677 86.7277
2169.876 86.4153	2174.448 86.5741	2179.02 86.733
2170.0283 86.4206	2174.6003 86.5794	2179.1724 86.7383
2170.1809 86.4259	2174.7527 86.5847	2179.3247 86.7436
2170.3333 86.4312	2174.9053 86.59	2179.4773 86.7489
2170.4856 86.4365	2175.0576 86.5953	2179.6296 86.7542
2170.6379 86.4418	2175.21 86.6006	2179.782 86.7595
2170.7903 86.4471	2175.3623 86.6059	2179.9343 86.7648
2170.9429 86.4524	2175.5149 86.6112	2180.0869 86.7701
2171.0952 86.4576	2175.6672 86.6165	2180.2393 86.7753
2171.2476 86.4629	2175.8196 86.6218	2180.3916 86.7806
2171.3999 86.4682	2175.9719 86.6271	2180.5439 86.7859
2171.5525 86.4735	2176.1245 86.6324	2180.6963 86.7912
2171.7048 86.4788	2176.2769 86.6377	2180.8489 86.7965
2171.8572 86.4841	2176.4292 86.643	2181.0012 86.8018
2172.0095 86.4894	2176.5815 86.6483	2181.1536 86.8071
2172.1621 86.4947	2176.7339 86.6536	2181.3059 86.8124
2172.3145 86.5	2176.8865 86.6589	2181.4585 86.8177
2172.4668 86.5053	2177.0388 86.6642	2181.6108 86.823
2172.6191 86.5106	2177.1912 86.6694	2181.7632 86.8283
2172.7715 86.5159	2177.3435 86.6747	2181.9155 86.8336
2172.9241 86.5212	2177.4961 86.68	2182.0681 86.8389
2173.0764 86.5265	2177.6484 86.6853	2182.2205 86.8442
2173.2288 86.5318	2177.8008 86.6906	2182.3728 86.8495
2173.3811 86.5371	2177.9531 86.6959	2182.5251 86.8548

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2182.8301 86.8654	2187.4021 87.0242	2191.9741 87.1831
2182.9824 86.8707	2187.5544 87.0295	2192.1265 87.1884
2183.1348 86.876	2187.7068 87.0348	2192.2788 87.1936
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2183.592 86.8918	2188.1641 87.0507	2192.7361 87.2095
2183.7444 86.8971	2188.3164 87.056	2192.8884 87.2148
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2184.0493 86.9077	2188.6211 87.0666	2193.1931 87.2254
2184.2017 86.913	2188.7737 87.0719	2193.3457 87.2307
2184.354 86.9183	2188.926 87.0772	2193.498 87.236
2184.5063 86.9236	2189.0784 87.0825	2193.6504 87.2413
2184.6587 86.9289	2189.2307 87.0878	2193.8027 87.2466
2184.8113 86.9342	2189.3833 87.093	2193.9551 87.2519
2184.9636 86.9395	2189.5356 87.0983	2194.1077 87.2572
2185.116 86.9448	2189.688 87.1036	2194.26 87.2625
2185.2683 86.9501	2189.8403 87.1089	2194.4124 87.2678
2185.4209 86.9554	2189.9929 87.1142	2194.5647 87.2731
2185.5732 86.9607	2190.1453 87.1195	2194.7173 87.2784
2185.7256 86.966	2190.2976 87.1248	2194.8696 87.2837
2185.8779 86.9713	2190.45 87.1301	2195.022 87.289
2186.0305 86.9766	2190.6023 87.1354	2195.1743 87.2943
2186.1829 86.9819	2190.7549 87.1407	2195.3269 87.2996
2186.3352 86.9871	2190.9072 87.146	2195.4792 87.3048
2186.4875 86.9924	2191.0596 87.1513	2195.6316 87.3101
2186.6399 86.9977	2191.2119 87.1566	2195.7839 87.3154
2186.7925 87.003	2191.3645 87.1619	2195.9363 87.3207
2186.9448 87.0083	2191.5168 87.1672	2196.0889 87.326
2187.0972 87.0136	2191.6692 87.1725	2196.2412 87.3313

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2196.6985 87.3472	2201.2705 87.5061	2205.8423 87.6649
2196.8508 87.3525	2201.4229 87.5114	2205.9949 87.6702
2197.0032 87.3578	2201.5752 87.5166	2206.1472 87.6755
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2197.3081 87.3684	2201.8799 87.5272	2206.4519 87.6861
2197.4604 87.3737	2202.0325 87.5325	2206.6045 87.6914
2197.6128 87.379	2202.1848 87.5378	2206.7568 87.6967
2197.7651 87.3843	2202.3372 87.5431	2206.9092 87.702
2197.9175 87.3896	2202.4895 87.5484	2207.0615 87.7073
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2198.6797 87.416	2203.2517 87.5749	2207.8235 87.7337
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2199.2893 87.4372	2203.8611 87.5961	2208.4331 87.7549
2199.4417 87.4425	2204.0137 87.6014	2208.5857 87.7602
2199.594 87.4478	2204.166 87.6067	2208.738 87.7655
2199.7463 87.4531	2204.3184 87.612	2208.8904 87.7708
2199.8987 87.4584	2204.4707 87.6172	2209.0427 87.7761
2200.0513 87.4637	2204.6233 87.6225	2209.1953 87.7814
2200.2036 87.469	2204.7756 87.6278	2209.3477 87.7867
2200.356 87.4743	2204.928 87.6331	2209.5 87.792
2200.5083 87.4796	2205.0803 87.6384	2209.6523 87.7973
2200.6609 87.4849	2205.2329 87.6437	2209.8047 87.8026
2200.8132 87.4902	2205.3853 87.649	2209.9573 87.8079

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2210.262 87.8185	2214.834 87.9773	2219.406 88.1362
2210.4143 87.8237	2214.9863 87.9826	2219.5583 88.1414
2210.5669 87.8291	2215.1389 87.9879	2219.7107 88.1467
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2211.3289 87.8555	2215.9009 88.0144	2220.4729 88.1732
2211.4812 87.8608	2216.0532 88.0197	2220.6252 88.1785
2211.6335 87.8661	2216.2056 88.025	2220.7776 88.1838
2211.7859 87.8714	2216.3579 88.0303	2220.9299 88.1891
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2212.8528 87.9085	2217.4248 88.0673	2221.9968 88.2262
2213.0051 87.9138	2217.5771 88.0726	2222.1492 88.2315
2213.1577 87.9191	2217.7295 88.0779	2222.3015 88.2368
2213.3101 87.9244	2217.8821 88.0832	2222.4541 88.2421
2213.4624 87.9296	2218.0344 88.0885	2222.6064 88.2473
2213.6147 87.9349	2218.1868 88.0938	2222.7588 88.2526
2213.7671 87.9402	2218.3391 88.0991	2222.9111 88.2579
2213.9197 87.9455	2218.4917 88.1044	2223.0637 88.2632
2214.072 87.9508	2218.644 88.1097	2223.2161 88.2685
2214.2244 87.9561	2218.7964 88.115	2223.3684 88.2738
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2225.502 88.348	2230.074 88.5068	2234.646 88.6656
2225.6543 88.3532	2230.2263 88.5121	2234.7983 88.6709
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2225.9592 88.3638	2230.5313 88.5227	2235.1033 88.6815
2226.1116 88.3691	2230.6836 88.528	2235.2556 88.6868
2226.2639 88.3744	2230.8359 88.5333	2235.408 88.6921
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2226.8735 88.3956	2231.4456 88.5545	2236.0176 88.7133
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2227.4832 88.4168	2232.0552 88.5756	2236.6272 88.7345
2227.6355 88.4221	2232.2075 88.5809	2236.7795 88.7398
2227.7881 88.4274	2232.3601 88.5862	2236.9319 88.7451
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2228.0928 88.438	2232.6648 88.5968	2237.2368 88.7557
2228.2451 88.4433	2232.8171 88.6021	2237.3892 88.761

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2237.8464 88.7768	2242.4185 88.9357	2246.9905 89.0945
2237.9988 88.7821	2242.5708 88.941	2247.1428 89.0998
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2238.3037 88.7927	2242.8755 88.9516	2247.4475 89.1104
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2238.9131 88.8139	2243.4851 88.9728	2248.0571 89.1316
2239.0657 88.8192	2243.6377 88.9781	2248.2097 89.1369
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2239.8276 88.8457	2244.3997 89.0045	2248.9717 89.1634
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2241.5039 88.9039	2246.0759 89.0628	2250.6479 89.2216
2241.6565 88.9092	2246.2285 89.0681	2250.8003 89.2269
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2251.5625 89.2534	2256.1345 89.4122	2260.7063 89.5711
2251.7148 89.2587	2256.2869 89.4175	2260.8589 89.5764
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2252.4768 89.2852	2257.0488 89.444	2261.6208 89.6029
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2252.9341 89.3011	2257.5061 89.4599	2262.0779 89.6187
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2255.5249 89.3911	2260.0967 89.5499	2264.6687 89.7088
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2266.4976 89.7723	2271.0696 89.9311	2275.6416 90.09
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2278.842 90.2012	2283.4141 90.36	2287.9861 90.5189
2278.9944 90.2065	2283.5664 90.3653	2288.1384 90.5242
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2279.2993 90.2171	2283.8711 90.3759	2288.4431 90.5348
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2279.604 90.2277	2284.176 90.3865	2288.748 90.5454
2279.7563 90.233	2284.3284 90.3918	2288.9004 90.5507
2279.9087 90.2383	2284.4807 90.3971	2289.0527 90.556
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2280.2136 90.2488	2284.7856 90.4077	2289.3577 90.5665
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2280.5183 90.2594	2285.0903 90.4183	2289.6624 90.5771
2280.6709 90.2647	2285.2429 90.4236	2289.8147 90.5824
2280.8232 90.27	2285.3953 90.4289	2289.9673 90.5877
2280.9756 90.2753	2285.5476 90.4342	2290.1196 90.593
2281.1279 90.2806	2285.7 90.4395	2290.272 90.5983
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2281.4329 90.2912	2286.0049 90.4501	2290.5769 90.6089
2281.5852 90.2965	2286.1572 90.4554	2290.7292 90.6142
2281.7375 90.3018	2286.3096 90.4606	2290.8816 90.6195
2281.8899 90.3071	2286.4619 90.4659	2291.0339 90.6248
2282.0425 90.3124	2286.6145 90.4712	2291.1863 90.6301
2282.1948 90.3177	2286.7668 90.4765	2291.3389 90.6354
2282.3472 90.323	2286.9192 90.4818	2291.4912 90.6407
2282.4995 90.3283	2287.0715 90.4871	2291.6436 90.646
2282.6521 90.3336	2287.2241 90.4924	2291.7959 90.6513
2282.8044 90.3389	2287.3765 90.4977	2291.9485 90.6566
2282.9568 90.3442	2287.5288 90.503	2292.1008 90.6618
2283.1091 90.3494	2287.6812 90.5083	2292.2532 90.6672

2292.4055 90.6724	2296.9775 90.8313	2301.5496 90.9901
2292.5581 90.6777	2297.1299 90.8366	2301.7019 90.9954
2292.7104 90.683	2297.2825 90.8419	2301.8545 91.0007
2292.8628 90.6883	2297.4348 90.8472	2302.0068 91.006
2293.0151 90.6936	2297.5872 90.8525	2302.1592 91.0113
2293.1675 90.6989	2297.7395 90.8578	2302.3115 91.0166
2293.3201 90.7042	2297.8921 90.8631	2302.4641 91.0219
2293.4724 90.7095	2298.0444 90.8684	2302.6165 91.0272
2293.6248 90.7148	2298.1968 90.8736	2302.7688 91.0325
2293.7771 90.7201	2298.3491 90.8789	2302.9211 91.0378
2293.9297 90.7254	2298.5017 90.8842	2303.0735 91.0431
2294.082 90.7307	2298.6541 90.8895	2303.2261 91.0484
2294.2344 90.736	2298.8064 90.8948	2303.3784 91.0537
2294.3867 90.7413	2298.9587 90.9001	2303.5308 91.059
2294.5393 90.7466	2299.1111 90.9054	2303.6831 91.0643
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2294.844 90.7572	2299.416 90.916	2303.988 91.0749
2294.9963 90.7625	2299.5684 90.9213	2304.1404 91.0802
2295.1487 90.7677	2299.7207 90.9266	2304.2927 91.0854
2295.3013 90.773	2299.8733 90.9319	2304.4453 91.0908
2295.4536 90.7783	2300.0256 90.9372	2304.5977 91.096
2295.606 90.7836	2300.178 90.9425	2304.75 91.1013
2295.7583 90.7889	2300.3303 90.9478	2304.9023 91.1066
2295.9109 90.7942	2300.4829 90.9531	2305.0547 91.1119
2296.0632 90.7995	2300.6353 90.9584	2305.2073 91.1172
2296.2156 90.8048	2300.7876 90.9637	2305.3596 91.1225
2296.3679 90.8101	2300.9399 90.969	2305.512 91.1278
2296.5205 90.8154	2301.0923 90.9743	2305.6643 91.1331
2296.6729 90.8207	2301.2449 90.9796	2305.8169 91.1384
2296.8252 90.826	2301.3972 90.9848	2305.9692 91.1437

2306.1216 91.149	2310.6936 91.3078	2315.2656 91.4667
2306.2739 91.1543	2310.8459 91.3131	2315.418 91.472
2306.4265 91.1596	2310.9983 91.3184	2315.5703 91.4773
2306.5789 91.1649	2311.1509 91.3237	2315.7229 91.4826
2306.7312 91.1702	2311.3032 91.329	2315.8752 91.4879
2306.8835 91.1755	2311.4556 91.3343	2316.0276 91.4932
2307.0359 91.1808	2311.6079 91.3396	2316.1799 91.4985
2307.1885 91.1861	2311.7605 91.3449	2316.3325 91.5038
2307.3408 91.1913	2311.9128 91.3502	2316.4849 91.509
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2307.6455 91.2019	2312.2175 91.3608	2316.7896 91.5196
2307.7981 91.2072	2312.3701 91.3661	2316.9419 91.5249
2307.9504 91.2125	2312.5225 91.3714	2317.0945 91.5302
2308.1028 91.2178	2312.6748 91.3767	2317.2468 91.5355
2308.2551 91.2231	2312.8271 91.382	2317.3992 91.5408
2308.4077 91.2284	2312.9795 91.3873	2317.5515 91.5461
2308.5601 91.2337	2313.1321 91.3926	2317.7041 91.5514
2308.7124 91.239	2313.2844 91.3979	2317.8564 91.5567
2308.8647 91.2443	2313.4368 91.4031	2318.0088 91.562
2309.0171 91.2496	2313.5891 91.4084	2318.1611 91.5673
2309.1697 91.2549	2313.7417 91.4137	2318.3137 91.5726
2309.322 91.2602	2313.894 91.419	2318.4661 91.5779
2309.4744 91.2655	2314.0464 91.4243	2318.6184 91.5832
2309.6267 91.2708	2314.1987 91.4296	2318.7708 91.5885
2309.7793 91.2761	2314.3513 91.4349	2318.9231 91.5938
2309.9316 91.2814	2314.5037 91.4402	2319.0757 91.5991
2310.084 91.2867	2314.656 91.4455	2319.228 91.6044
2310.2363 91.292	2314.8083 91.4508	2319.3804 91.6096
2310.3889 91.2972	2314.9607 91.4561	2319.5327 91.6149
2310.5413 91.3025	2315.1133 91.4614	2319.6853 91.6202

2319.8376 91.6255	2324.4097 91.7844	2328.9817 91.9432
2319.99 91.6308	2324.562 91.7897	2329.134 91.9485
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2320.2949 91.6414	2324.8667 91.8003	2329.4387 91.9591
2320.4473 91.6467	2325.0193 91.8056	2329.5913 91.9644
2320.5996 91.652	2325.1716 91.8109	2329.7437 91.9697
2320.752 91.6573	2325.324 91.8162	2329.896 91.975
2320.9043 91.6626	2325.4763 91.8214	2330.0483 91.9803
2321.0569 91.6679	2325.6289 91.8268	2330.2007 91.9856
2321.2092 91.6732	2325.7813 91.832	2330.3533 91.9909
2321.3616 91.6785	2325.9336 91.8373	2330.5056 91.9962
2321.5139 91.6838	2326.0859 91.8426	2330.658 92.0015
2321.6665 91.6891	2326.2383 91.8479	2330.8103 92.0068
2321.8188 91.6944	2326.3909 91.8532	2330.9629 92.0121
2321.9712 91.6997	2326.5432 91.8585	2331.1152 92.0174
2322.1235 91.705	2326.6956 91.8638	2331.2676 92.0227
2322.2759 91.7103	2326.8479 91.8691	2331.4199 92.028
2322.4285 91.7156	2327.0005 91.8744	2331.5725 92.0333
2322.5808 91.7208	2327.1528 91.8797	2331.7249 92.0385
2322.7332 91.7261	2327.3052 91.885	2331.8772 92.0438
2322.8855 91.7314	2327.4575 91.8903	2332.0295 92.0491
2323.0381 91.7367	2327.6101 91.8956	2332.1819 92.0544
2323.1904 91.742	2327.7625 91.9009	2332.3345 92.0597
2323.3428 91.7473	2327.9148 91.9062	2332.4868 92.065
2323.4951 91.7526	2328.0671 91.9115	2332.6392 92.0703
2323.6477 91.7579	2328.2195 91.9168	2332.7915 92.0756
2323.8 91.7632	2328.3721 91.9221	2332.9441 92.0809
2323.9524 91.7685	2328.5244 91.9274	2333.0964 92.0862
2324.1047 91.7738	2328.6768 91.9326	2333.2488 92.0915
2324.2571 91.7791	2328.8291 91.9379	2333.4011 92.0968

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2334.1631 92.1233	2338.7351 92.2821	2343.3071 92.441
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2334.9253 92.1497	2339.4973 92.3086	2344.0691 92.4674
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2335.23 92.1603	2339.802 92.3192	2344.374 92.478
2335.3823 92.1656	2339.9543 92.3245	2344.5264 92.4833
2335.5349 92.1709	2340.1067 92.3298	2344.6787 92.4886
2335.6873 92.1762	2340.2593 92.3351	2344.8313 92.4939
2335.8396 92.1815	2340.4116 92.3404	2344.9836 92.4992
2335.9919 92.1868	2340.564 92.3456	2345.136 92.5045
2336.1443 92.1921	2340.7163 92.3509	2345.2883 92.5098
2336.2969 92.1974	2340.8689 92.3562	2345.4409 92.5151
2336.4492 92.2027	2341.0212 92.3615	2345.5933 92.5204
2336.6016 92.208	2341.1736 92.3668	2345.7456 92.5257
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2336.9065 92.2186	2341.4785 92.3774	2346.0503 92.5363
2337.0588 92.2239	2341.6309 92.3827	2346.2029 92.5416
2337.2112 92.2292	2341.7832 92.388	2346.3552 92.5469
2337.3635 92.2345	2341.9355 92.3933	2346.5076 92.5522
2337.5161 92.2398	2342.0879 92.3986	2346.6599 92.5574
2337.6685 92.245	2342.2405 92.4039	2346.8125 92.5628
2337.8208 92.2503	2342.3928 92.4092	2346.9648 92.568
2337.9731 92.2556	2342.5452 92.4145	2347.1172 92.5733

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2347.4221 92.5839	2351.9939 92.7428	2356.5659 92.9016
2347.5745 92.5892	2352.1465 92.7481	2356.7185 92.9069
2347.7268 92.5945	2352.2988 92.7534	2356.8708 92.9122
2347.8792 92.5998	2352.4512 92.7587	2357.0232 92.9175
2348.0315 92.6051	2352.6035 92.764	2357.1755 92.9228
2348.1841 92.6104	2352.7561 92.7692	2357.3279 92.9281
2348.3364 92.6157	2352.9084 92.7746	2357.4805 92.9334
2348.4888 92.621	2353.0608 92.7798	2357.6328 92.9387
2348.6411 92.6263	2353.2131 92.7851	2357.7852 92.944
2348.7937 92.6316	2353.3655 92.7904	2357.9375 92.9493
2348.946 92.6369	2353.5181 92.7957	2358.0901 92.9546
2349.0984 92.6422	2353.6704 92.801	2358.2424 92.9599
2349.2507 92.6475	2353.8228 92.8063	2358.3948 92.9652
2349.4033 92.6528	2353.9751 92.8116	2358.5471 92.9705
2349.5557 92.6581	2354.1277 92.8169	2358.6997 92.9758
2349.708 92.6633	2354.28 92.8222	2358.8521 92.981
2349.8604 92.6686	2354.4324 92.8275	2359.0044 92.9863
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2350.47 92.6898	2355.042 92.8487	2359.614 93.0075
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2350.9272 92.7057	2355.4993 92.8646	2360.0713 93.0234
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2351.2319 92.7163	2355.804 92.8751	2360.376 93.034
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2361.4429 93.0711	2366.0149 93.2299	2370.5869 93.3888
2361.5952 93.0764	2366.1672 93.2352	2370.7393 93.3941
2361.7476 93.0817	2366.3196 93.2405	2370.8916 93.3994
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2362.2048 93.0975	2366.7769 93.2564	2371.3489 93.4152
2362.3572 93.1028	2366.9292 93.2617	2371.5012 93.4205
2362.5095 93.1081	2367.0815 93.267	2371.6536 93.4258
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2362.8145 93.1187	2367.3865 93.2776	2371.9585 93.4364
2362.9668 93.124	2367.5388 93.2829	2372.1108 93.4417
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2363.2715 93.1346	2367.8435 93.2934	2372.4155 93.4523
2363.4241 93.1399	2367.9961 93.2987	2372.5681 93.4576
2363.5764 93.1452	2368.1484 93.304	2372.7205 93.4629
2363.7288 93.1505	2368.3008 93.3093	2372.8728 93.4682
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2364.0337 93.1611	2368.6057 93.3199	2373.1775 93.4788
2364.186 93.1664	2368.7581 93.3252	2373.3301 93.4841
2364.3384 93.1717	2368.9104 93.3305	2373.4824 93.4894
2364.4907 93.177	2369.0627 93.3358	2373.6348 93.4947
2364.6433 93.1823	2369.2151 93.3411	2373.7871 93.5
2364.7957 93.1876	2369.3677 93.3464	2373.9397 93.5053
2364.948 93.1928	2369.52 93.3517	2374.092 93.5105
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2365.2527 93.2034	2369.8247 93.3623	2374.3967 93.5211
2365.4053 93.2087	2369.9773 93.3676	2374.5493 93.5264

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2375.1587 93.5476	2379.7307 93.7065	2384.3027 93.8653
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2375.7683 93.5688	2380.3403 93.7276	2384.9124 93.8865
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2376.8352 93.6059	2381.4072 93.7647	2385.9792 93.9236
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2377.5972 93.6323	2382.1692 93.7912	2386.7412 93.95
2377.7495 93.6376	2382.3215 93.7965	2386.8936 93.9553
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2378.2068 93.6535	2382.7788 93.8124	2387.3508 93.9712
2378.3591 93.6588	2382.9312 93.8176	2387.5032 93.9765
2378.5117 93.6641	2383.0835 93.8229	2387.6555 93.9818
2378.6641 93.6694	2383.2361 93.8282	2387.8081 93.9871
2378.8164 93.6747	2383.3884 93.8335	2387.9604 93.9924
2378.9688 93.68	2383.5408 93.8388	2388.1128 93.9977
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2388.8748 94.0242	2393.4468 94.183	2398.0188 94.3419
2389.0271 94.0294	2393.5991 94.1883	2398.1711 94.3471
2389.1797 94.0348	2393.7517 94.1936	2398.3235 94.3524
2389.332 94.04	2393.9041 94.1989	2398.4761 94.3577
2389.4844 94.0453	2394.0564 94.2042	2398.6284 94.363
2389.6367 94.0506	2394.2087 94.2095	2398.7808 94.3683
2389.7893 94.0559	2394.3611 94.2148	2398.9331 94.3736
2389.9417 94.0612	2394.5137 94.2201	2399.0857 94.3789
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2391.3132 94.1089	2395.8853 94.2677	2400.4573 94.4266
2391.4656 94.1142	2396.0376 94.273	2400.6096 94.4319
2391.6179 94.1195	2396.1899 94.2783	2400.762 94.4372
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2391.9229 94.1301	2396.4949 94.2889	2401.0669 94.4478
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2392.3799 94.1459	2396.9519 94.3048	2401.5239 94.4636
2392.5325 94.1512	2397.1045 94.3101	2401.6765 94.4689
2392.6848 94.1565	2397.2568 94.3154	2401.8289 94.4742
2392.8372 94.1618	2397.4092 94.3207	2401.9812 94.4795

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2403.6577 94.5378	2408.2295 94.6966	2412.8015 94.8555
2403.8101 94.5431	2408.3821 94.7019	2412.9541 94.8608
2403.9624 94.5484	2408.5344 94.7072	2413.1064 94.8661
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2404.572 94.5695	2409.144 94.7284	2413.7161 94.8872
2404.7244 94.5748	2409.2964 94.7337	2413.8684 94.8925
2404.8767 94.5801	2409.4487 94.739	2414.0208 94.8978
2405.0293 94.5854	2409.6013 94.7443	2414.1731 94.9031
2405.1816 94.5907	2409.7537 94.7496	2414.3257 94.9084
2405.334 94.596	2409.906 94.7549	2414.478 94.9137
2405.4863 94.6013	2410.0583 94.7602	2414.6304 94.919
2405.6389 94.6066	2410.2107 94.7654	2414.7827 94.9243
2405.7913 94.6119	2410.3633 94.7708	2414.9353 94.9296
2405.9436 94.6172	2410.5156 94.776	2415.0876 94.9349
2406.0959 94.6225	2410.668 94.7813	2415.24 94.9402
2406.2483 94.6278	2410.8203 94.7866	2415.3923 94.9455
2406.4009 94.6331	2410.9729 94.7919	2415.5449 94.9508
2406.5532 94.6384	2411.1252 94.7972	2415.6973 94.9561

2415.8496 94.9614	2420.4216 95.1202	2424.9937 95.2791
2416.002 94.9667	2420.574 95.1255	2425.146 95.2844
2416.1543 94.972	2420.7263 95.1308	2425.2983 95.2896
2416.3069 94.9773	2420.8789 95.1361	2425.4507 95.2949
2416.4592 94.9825	2421.0313 95.1414	2425.6033 95.3002
2416.6116 94.9878	2421.1836 95.1467	2425.7556 95.3055
2416.7639 94.9931	2421.3359 95.152	2425.908 95.3108
2416.9165 94.9984	2421.4883 95.1573	2426.0603 95.3161
2417.0688 95.0037	2421.6409 95.1626	2426.2129 95.3214
2417.2212 95.009	2421.7932 95.1679	2426.3652 95.3267
2417.3735 95.0143	2421.9456 95.1732	2426.5176 95.332
2417.5259 95.0196	2422.0979 95.1785	2426.6699 95.3373
2417.6785 95.0249	2422.2505 95.1838	2426.8225 95.3426
2417.8308 95.0302	2422.4028 95.189	2426.9749 95.3479
2417.9832 95.0355	2422.5552 95.1943	2427.1272 95.3532
2418.1355 95.0408	2422.7075 95.1996	2427.2795 95.3585
2418.2881 95.0461	2422.8601 95.2049	2427.4319 95.3638
2418.4404 95.0514	2423.0125 95.2102	2427.5845 95.3691
2418.5928 95.0567	2423.1648 95.2155	2427.7368 95.3744
2418.7451 95.062	2423.3171 95.2208	2427.8892 95.3797
2418.8977 95.0673	2423.4695 95.2261	2428.0415 95.385
2419.05 95.0726	2423.6221 95.2314	2428.1941 95.3903
2419.2024 95.0779	2423.7744 95.2367	2428.3464 95.3956
2419.3547 95.0832	2423.9268 95.242	2428.4988 95.4008
2419.5071 95.0884	2424.0791 95.2473	2428.6511 95.4061
2419.6597 95.0937	2424.2317 95.2526	2428.8037 95.4114
2419.812 95.099	2424.384 95.2579	2428.9561 95.4167
2419.9644 95.1043	2424.5364 95.2632	2429.1084 95.422
2420.1167 95.1096	2424.6887 95.2685	2429.2607 95.4273
2420.2693 95.1149	2424.8413 95.2738	2429.4131 95.4326

2429.5657 95.4379	2434.1377 95.5968	2438.7097 95.7556
2429.718 95.4432	2434.29 95.6021	2438.8621 95.7609
2429.8704 95.4485	2434.4424 95.6074	2439.0144 95.7662
2430.0227 95.4538	2434.5947 95.6126	2439.1667 95.7715
2430.1753 95.4591	2434.7473 95.618	2439.3191 95.7768
2430.3276 95.4644	2434.8997 95.6232	2439.4717 95.7821
2430.48 95.4697	2435.052 95.6285	2439.624 95.7874
2430.6323 95.475	2435.2043 95.6338	2439.7764 95.7927
2430.7849 95.4803	2435.3567 95.6391	2439.9287 95.798
2430.9373 95.4856	2435.5093 95.6444	2440.0813 95.8033
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2431.2419 95.4962	2435.814 95.655	2440.386 95.8139
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2431.5469 95.5068	2436.1189 95.6656	2440.6909 95.8244
2431.6992 95.512	2436.2712 95.6709	2440.8433 95.8298
2431.8516 95.5173	2436.4236 95.6762	2440.9956 95.835
2432.0039 95.5226	2436.5759 95.6815	2441.1479 95.8403
2432.1565 95.5279	2436.7285 95.6868	2441.3003 95.8456
2432.3088 95.5332	2436.8809 95.6921	2441.4529 95.8509
2432.4612 95.5385	2437.0332 95.6974	2441.6052 95.8562
2432.6135 95.5438	2437.1855 95.7027	2441.7576 95.8615
2432.7661 95.5491	2437.3379 95.708	2441.9099 95.8668
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2433.0708 95.5597	2437.6428 95.7186	2442.2148 95.8774
2433.2231 95.565	2437.7952 95.7238	2442.3672 95.8827
2433.3755 95.5703	2437.9475 95.7291	2442.5195 95.888
2433.5281 95.5756	2438.1001 95.7344	2442.6721 95.8933
2433.6804 95.5809	2438.2524 95.7397	2442.8245 95.8986
2433.8328 95.5862	2438.4048 95.745	2442.9768 95.9039
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2443.2815 95.9145	2447.8535 96.0733	2452.4255 96.2322
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2444.5007 95.9568	2449.0728 96.1157	2453.6448 96.2745
2444.6533 95.9621	2449.2251 96.121	2453.7971 96.2798
2444.8057 95.9674	2449.3777 96.1263	2453.9497 96.2851
2444.958 95.9727	2449.53 96.1316	2454.1021 96.2904
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2445.72 95.9992	2450.292 96.158	2454.864 96.3169
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2446.0249 96.0098	2450.5967 96.1686	2455.1687 96.3275
2446.1772 96.0151	2450.7493 96.1739	2455.3213 96.3328
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2447.2439 96.0521	2451.8159 96.211	2456.3879 96.3698
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2447.5488 96.0627	2452.1208 96.2216	2456.6929 96.3804
2447.7012 96.068	2452.2732 96.2269	2456.8452 96.3857

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2457.7595 96.4175	2462.3315 96.5763	2466.9036 96.7352
2457.9121 96.4228	2462.4839 96.5816	2467.0559 96.7405
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2461.2649 96.5393	2465.8369 96.6981	2470.4087 96.857
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2470.7136 96.8676	2475.2856 97.0264	2479.8577 97.1852
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2471.7805 96.9046	2476.3523 97.0635	2480.9243 97.2223
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2472.0852 96.9152	2476.6572 97.0741	2481.2292 97.2329
2472.2375 96.9205	2476.8096 97.0794	2481.3816 97.2382
2472.3899 96.9258	2476.9619 97.0846	2481.5339 97.2435
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2472.9995 96.947	2477.5715 97.1058	2482.1436 97.2647
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2474.2188 96.9893	2478.7908 97.1482	2483.3628 97.307
2474.3711 96.9946	2478.9431 97.1535	2483.5151 97.3123
2474.5237 96.9999	2479.0957 97.1588	2483.6675 97.3176
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2485.344 97.3759	2489.916 97.5347	2494.488 97.6936
2485.4963 97.3812	2490.0684 97.54	2494.6404 97.6989
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2486.4109 97.4129	2490.9829 97.5718	2495.5547 97.7306
2486.5632 97.4182	2491.1353 97.5771	2495.7073 97.7359
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2487.0205 97.4341	2491.5923 97.593	2496.1643 97.7518
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2487.4775 97.45	2492.0496 97.6088	2496.6216 97.7677
2487.6299 97.4553	2492.2019 97.6141	2496.7739 97.773
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2501.8032 97.9477	2506.3752 98.1066	2510.9473 98.2654
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2515.5193 98.4243	2520.0913 98.5831	2524.6631 98.742
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2515.9763 98.4402	2520.5483 98.599	2525.1204 98.7579
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2526.4919 98.8055	2531.064 98.9644	2535.636 99.1232
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2527.5588 98.8426	2532.1309 99.0014	2536.7029 99.1603
2527.7112 98.8479	2532.2832 99.0067	2536.8552 99.1656
2527.8635 98.8532	2532.4355 99.012	2537.0076 99.1709
2528.0161 98.8585	2532.5879 99.0173	2537.1599 99.1762
2528.1685 98.8638	2532.7405 99.0226	2537.3125 99.1815
2528.3208 98.869	2532.8928 99.0279	2537.4648 99.1867
2528.4731 98.8743	2533.0452 99.0332	2537.6172 99.192
2528.6255 98.8796	2533.1975 99.0385	2537.7695 99.1973
2528.7781 98.8849	2533.3501 99.0438	2537.9221 99.2026
2528.9304 98.8902	2533.5024 99.0491	2538.0745 99.2079
2529.0828 98.8955	2533.6548 99.0544	2538.2268 99.2132
2529.2351 98.9008	2533.8071 99.0597	2538.3792 99.2185
2529.3877 98.9061	2533.9597 99.065	2538.5315 99.2238
2529.54 98.9114	2534.1121 99.0703	2538.6841 99.2291
2529.6924 98.9167	2534.2644 99.0756	2538.8364 99.2344
2529.8447 98.922	2534.4167 99.0808	2538.9888 99.2397
2529.9973 98.9273	2534.5691 99.0861	2539.1411 99.245

2539.2937 99.2503	2543.8655 99.4091	2548.4375 99.568
2539.446 99.2556	2544.0181 99.4144	2548.5901 99.5733
2539.5984 99.2609	2544.1704 99.4197	2548.7424 99.5786
2539.7507 99.2662	2544.3228 99.425	2548.8948 99.5839
2539.9033 99.2715	2544.4751 99.4303	2549.0471 99.5892
2540.0557 99.2768	2544.6277 99.4356	2549.1997 99.5945
2540.208 99.2821	2544.78 99.4409	2549.3521 99.5998
2540.3604 99.2874	2544.9324 99.4462	2549.5044 99.605
2540.5127 99.2926	2545.0847 99.4515	2549.6567 99.6103
2540.6653 99.2979	2545.2373 99.4568	2549.8091 99.6156
2540.8176 99.3032	2545.3896 99.4621	2549.9617 99.6209
2540.97 99.3085	2545.542 99.4674	2550.114 99.6262
2541.1223 99.3138	2545.6943 99.4727	2550.2664 99.6315
2541.2749 99.3191	2545.8467 99.478	2550.4187 99.6368
2541.4272 99.3244	2545.9993 99.4833	2550.5713 99.6421
2541.5796 99.3297	2546.1516 99.4886	2550.7236 99.6474
2541.7319 99.335	2546.304 99.4939	2550.876 99.6527
2541.8845 99.3403	2546.4563 99.4992	2551.0283 99.658
2542.0369 99.3456	2546.6089 99.5045	2551.1809 99.6633
2542.1892 99.3509	2546.7612 99.5097	2551.3333 99.6686
2542.3416 99.3562	2546.9136 99.515	2551.4856 99.6739
2542.4939 99.3615	2547.0659 99.5203	2551.6379 99.6792
2542.6465 99.3668	2547.2185 99.5256	2551.7903 99.6845
2542.7988 99.3721	2547.3708 99.5309	2551.9429 99.6898
2542.9512 99.3774	2547.5232 99.5362	2552.0952 99.6951
2543.1035 99.3827	2547.6755 99.5415	2552.2476 99.7004
2543.2561 99.388	2547.8279 99.5468	2552.3999 99.7057
2543.4084 99.3933	2547.9805 99.5521	2552.5525 99.711
2543.5608 99.3985	2548.1328 99.5574	2552.7048 99.7163
2543.7131 99.4038	2548.2852 99.5627	2552.8572 99.7215

2553.0095 99.7268	2557.5815 99.8857	2562.1536 100.0445
2553.1621 99.7321	2557.7339 99.891	2562.3059 100.0498
2553.3145 99.7374	2557.8865 99.8963	2562.4585 100.0551
2553.4668 99.7427	2558.0388 99.9016	2562.6108 100.0604
2553.6191 99.748	2558.1912 99.9069	2562.7632 100.0657
2553.7715 99.7533	2558.3435 99.9122	2562.9155 100.071
2553.9241 99.7586	2558.4961 99.9175	2563.0681 100.0763
2554.0764 99.7639	2558.6484 99.9228	2563.2205 100.0816
2554.2288 99.7692	2558.8008 99.928	2563.3728 100.0869
2554.3811 99.7745	2558.9531 99.9333	2563.5251 100.0922
2554.5337 99.7798	2559.1057 99.9386	2563.6775 100.0975
2554.686 99.7851	2559.2581 99.9439	2563.8301 100.1028
2554.8384 99.7904	2559.4104 99.9492	2563.9824 100.1081
2554.9907 99.7957	2559.5627 99.9545	2564.1348 100.1134
2555.1433 99.801	2559.7151 99.9598	2564.2871 100.1187
2555.2957 99.8063	2559.8677 99.9651	2564.4397 100.124
2555.448 99.8116	2560.02 99.9704	2564.592 100.1292
2555.6003 99.8168	2560.1724 99.9757	2564.7444 100.1346
2555.7527 99.8221	2560.3247 99.981	2564.8967 100.1398
2555.9053 99.8274	2560.4773 99.9863	2565.0493 100.1451
2556.0576 99.8327	2560.6296 99.9916	2565.2017 100.1504
2556.21 99.838	2560.782 99.9969	2565.354 100.1557
2556.3623 99.8433	2560.9343 100.0022	2565.5063 100.161
2556.5149 99.8486	2561.0869 100.0075	2565.6587 100.1663
2556.6672 99.8539	2561.2393 100.0128	2565.8113 100.1716
2556.8196 99.8592	2561.3916 100.0181	2565.9636 100.1769
2556.9719 99.8645	2561.5439 100.0234	2566.116 100.1822
2557.1245 99.8698	2561.6963 100.0286	2566.2683 100.1875
2557.2769 99.8751	2561.8489 100.034	2566.4209 100.1928
2557.4292 99.8804	2562.0012 100.0392	2566.5732 100.1981

2566.7256	100.2034	2571.2976	100.3622	2575.8696	100.5211
2566.8779	100.2087	2571.45	100.3675	2576.022	100.5264
2567.0305	100.214	2571.6023	100.3728	2576.1743	100.5317
2567.1829	100.2193	2571.7549	100.3781	2576.3269	100.537
2567.3352	100.2246	2571.9072	100.3834	2576.4792	100.5423
2567.4875	100.2299	2572.0596	100.3887	2576.6316	100.5476
2567.6399	100.2351	2572.2119	100.394	2576.7839	100.5528
2567.7925	100.2404	2572.3645	100.3993	2576.9363	100.5581
2567.9448	100.2458	2572.5168	100.4046	2577.0889	100.5634
2568.0972	100.251	2572.6692	100.4099	2577.2412	100.5687
2568.2495	100.2563	2572.8215	100.4152	2577.3936	100.574
2568.4021	100.2616	2572.9741	100.4205	2577.5459	100.5793
2568.5544	100.2669	2573.1265	100.4258	2577.6985	100.5846
2568.7068	100.2722	2573.2788	100.4311	2577.8508	100.5899
2568.8591	100.2775	2573.4312	100.4364	2578.0032	100.5952
2569.0117	100.2828	2573.5835	100.4417	2578.1555	100.6005
2569.1641	100.2881	2573.7361	100.447	2578.3081	100.6058
2569.3164	100.2934	2573.8884	100.4522	2578.4604	100.6111
2569.4688	100.2987	2574.0408	100.4575	2578.6128	100.6164
2569.6211	100.304	2574.1931	100.4628	2578.7651	100.6217
2569.7737	100.3093	2574.3457	100.4681	2578.9175	100.627
2569.926	100.3146	2574.498	100.4734	2579.0701	100.6323
2570.0784	100.3199	2574.6504	100.4787	2579.2224	100.6376
2570.2307	100.3252	2574.8027	100.484	2579.3748	100.6429
2570.3833	100.3305	2574.9551	100.4893	2579.5271	100.6482
2570.5356	100.3358	2575.1077	100.4946	2579.6797	100.6535
2570.688	100.341	2575.26	100.4999	2579.832	100.6588
2570.8403	100.3463	2575.4124	100.5052	2579.9844	100.664
2570.9929	100.3516	2575.5647	100.5105	2580.1367	100.6693
2571.1453	100.3569	2575.7173	100.5158	2580.2893	100.6746

2580.4417	100.6799	2585.0137	100.8388	2589.5857	100.9976
2580.594	100.6852	2585.166	100.8441	2589.738	101.0029
2580.7463	100.6905	2585.3184	100.8494	2589.8904	101.0082
2580.8987	100.6958	2585.4707	100.8547	2590.0427	101.0135
2581.0513	100.7011	2585.6233	100.86	2590.1953	101.0188
2581.2036	100.7064	2585.7756	100.8653	2590.3477	101.0241
2581.356	100.7117	2585.928	100.8705	2590.5	101.0294
2581.5083	100.717	2586.0803	100.8758	2590.6523	101.0347
2581.6609	100.7223	2586.2329	100.8811	2590.8047	101.04
2581.8132	100.7276	2586.3853	100.8864	2590.9573	101.0453
2581.9656	100.7329	2586.5376	100.8917	2591.1096	101.0506
2582.1179	100.7382	2586.6899	100.897	2591.262	101.0559
2582.2705	100.7435	2586.8423	100.9023	2591.4143	101.0612
2582.4229	100.7488	2586.9949	100.9076	2591.5669	101.0665
2582.5752	100.7541	2587.1472	100.9129	2591.7192	101.0718
2582.7275	100.7594	2587.2996	100.9182	2591.8716	101.0771
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2583.0325	100.77	2587.6045	100.9288	2592.1765	101.0876
2583.1848	100.7752	2587.7568	100.9341	2592.3289	101.0929
2583.3372	100.7805	2587.9092	100.9394	2592.4812	101.0982
2583.4895	100.7858	2588.0615	100.9447	2592.6335	101.1035
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2583.7944	100.7964	2588.3665	100.9553	2592.9385	101.1141
2583.9468	100.8017	2588.5188	100.9606	2593.0908	101.1194
2584.0991	100.807	2588.6711	100.9659	2593.2432	101.1247
2584.2517	100.8123	2588.8235	100.9712	2593.3955	101.13
2584.4041	100.8176	2588.9761	100.9765	2593.5481	101.1353
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2584.7087	100.8282	2589.2808	100.987	2593.8528	101.1459
2584.8611	100.8335	2589.4331	100.9923	2594.0051	101.1512

2594.1577	101.1565	2598.7295	101.3153	2603.3015	101.4742
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2595.072	101.1883	2599.644	101.3471	2604.2161	101.506
2595.2244	101.1935	2599.7964	101.3524	2604.3684	101.5112
2595.3767	101.1988	2599.9487	101.3577	2604.5208	101.5165
2595.5293	101.2041	2600.1013	101.363	2604.6731	101.5218
2595.6816	101.2094	2600.2537	101.3683	2604.8257	101.5271
2595.834	101.2147	2600.406	101.3736	2604.978	101.5324
2595.9863	101.22	2600.5583	101.3789	2605.1304	101.5377
2596.1389	101.2253	2600.7107	101.3842	2605.2827	101.543
2596.2913	101.2306	2600.8633	101.3895	2605.4353	101.5483
2596.4436	101.2359	2601.0156	101.3948	2605.5876	101.5536
2596.5959	101.2412	2601.168	101.4	2605.74	101.5589
2596.7483	101.2465	2601.3203	101.4053	2605.8923	101.5642
2596.9009	101.2518	2601.4729	101.4106	2606.0449	101.5695
2597.0532	101.2571	2601.6252	101.4159	2606.1973	101.5748
2597.2056	101.2624	2601.7776	101.4212	2606.3496	101.5801
2597.3579	101.2677	2601.9299	101.4265	2606.502	101.5854
2597.5105	101.273	2602.0825	101.4318	2606.6543	101.5907
2597.6628	101.2783	2602.2349	101.4371	2606.8069	101.596
2597.8152	101.2836	2602.3872	101.4424	2606.9592	101.6012
2597.9675	101.2888	2602.5396	101.4477	2607.1116	101.6066
2598.1201	101.2942	2602.6919	101.453	2607.2639	101.6118
2598.2725	101.2994	2602.8445	101.4583	2607.4165	101.6171
2598.4248	101.3047	2602.9968	101.4636	2607.5688	101.6224
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2607.8735	101.633	2612.4456	101.7919	2617.0176	101.9507
2608.0259	101.6383	2612.5979	101.7972	2617.1699	101.956
2608.1785	101.6436	2612.7505	101.8025	2617.3225	101.9613
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2608.4832	101.6542	2613.0552	101.813	2617.6272	101.9719
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2610.0071	101.7071	2614.5791	101.866	2619.1511	102.0248
2610.1597	101.7124	2614.7317	101.8713	2619.3037	102.0302
2610.312	101.7178	2614.884	101.8766	2619.4561	102.0354
2610.4644	101.723	2615.0364	101.8819	2619.6084	102.0407
2610.6167	101.7283	2615.1887	101.8872	2619.7607	102.046
2610.7693	101.7336	2615.3413	101.8925	2619.9131	102.0513
2610.9216	101.7389	2615.4937	101.8978	2620.0657	102.0566
2611.074	101.7442	2615.646	101.9031	2620.218	102.0619
2611.2263	101.7495	2615.7983	101.9084	2620.3704	102.0672
2611.3789	101.7548	2615.9507	101.9137	2620.5227	102.0725
2611.5313	101.7601	2616.1033	101.919	2620.6753	102.0778
2611.6836	101.7654	2616.2556	101.9242	2620.8276	102.0831
2611.8359	101.7707	2616.408	101.9295	2620.98	102.0884
2611.9883	101.776	2616.5603	101.9348	2621.1323	102.0937
2612.1409	101.7813	2616.7129	101.9401	2621.2849	102.099
2612.2932	101.7866	2616.8652	101.9454	2621.4373	102.1043

2621.5896	102.1096	2626.1616	102.2684	2630.7336	102.4273
2621.7419	102.1149	2626.314	102.2737	2630.886	102.4326
2621.8943	102.1202	2626.4663	102.279	2631.0383	102.4379
2622.0469	102.1255	2626.6189	102.2843	2631.1909	102.4432
2622.1992	102.1308	2626.7712	102.2896	2631.3433	102.4485
2622.3516	102.136	2626.9236	102.2949	2631.4956	102.4537
2622.5039	102.1413	2627.0759	102.3002	2631.6479	102.459
2622.6565	102.1466	2627.2285	102.3055	2631.8003	102.4643
2622.8088	102.1519	2627.3809	102.3108	2631.9529	102.4696
2622.9612	102.1572	2627.5332	102.3161	2632.1052	102.4749
2623.1135	102.1625	2627.6855	102.3214	2632.2576	102.4802
2623.2661	102.1678	2627.8379	102.3267	2632.4099	102.4855
2623.4185	102.1731	2627.9905	102.332	2632.5625	102.4908
2623.5708	102.1784	2628.1428	102.3373	2632.7148	102.4961
2623.7231	102.1837	2628.2952	102.3425	2632.8672	102.5014
2623.8755	102.189	2628.4475	102.3478	2633.0195	102.5067
2624.0281	102.1943	2628.6001	102.3531	2633.1721	102.512
2624.1804	102.1996	2628.7524	102.3584	2633.3245	102.5173
2624.3328	102.2049	2628.9048	102.3637	2633.4768	102.5226
2624.4851	102.2102	2629.0571	102.369	2633.6292	102.5279
2624.6377	102.2155	2629.2097	102.3743	2633.7815	102.5332
2624.79	102.2208	2629.3621	102.3796	2633.9341	102.5385
2624.9424	102.2261	2629.5144	102.3849	2634.0864	102.5438
2625.0947	102.2314	2629.6667	102.3902	2634.2388	102.5491
2625.2473	102.2367	2629.8191	102.3955	2634.3911	102.5543
2625.3997	102.242	2629.9717	102.4008	2634.5437	102.5596
2625.552	102.2472	2630.124	102.4061	2634.696	102.5649
2625.7043	102.2525	2630.2764	102.4114	2634.8484	102.5702
2625.8567	102.2578	2630.4287	102.4167	2635.0007	102.5755
2626.0093	102.2631	2630.5813	102.422	2635.1533	102.5808

2635.3057	102.5861	2639.8777	102.745	2644.4497	102.9038
2635.458	102.5914	2640.03	102.7503	2644.6021	102.9091
2635.6104	102.5967	2640.1824	102.7556	2644.7544	102.9144
2635.7627	102.602	2640.3347	102.7608	2644.9067	102.9197
2635.9153	102.6073	2640.4873	102.7662	2645.0591	102.925
2636.0676	102.6126	2640.6396	102.7714	2645.2117	102.9303
2636.22	102.6179	2640.792	102.7767	2645.364	102.9356
2636.3723	102.6232	2640.9443	102.782	2645.5164	102.9409
2636.5249	102.6285	2641.0967	102.7873	2645.6687	102.9462
2636.6772	102.6338	2641.2493	102.7926	2645.8213	102.9515
2636.8296	102.6391	2641.4016	102.7979	2645.9736	102.9568
2636.9819	102.6444	2641.554	102.8032	2646.126	102.9621
2637.1345	102.6497	2641.7063	102.8085	2646.2783	102.9674
2637.2869	102.655	2641.8589	102.8138	2646.4309	102.9727
2637.4392	102.6603	2642.0112	102.8191		
2637.5916	102.6655	2642.1636	102.8244		
2637.7439	102.6708	2642.3159	102.8297		
2637.8965	102.6761	2642.4685	102.835		
2638.0488	102.6814	2642.6208	102.8403		
2638.2012	102.6867	2642.7732	102.8456		
2638.3535	102.692	2642.9255	102.8509		
2638.5061	102.6973	2643.0779	102.8562		
2638.6584	102.7026	2643.2305	102.8615		
2638.8108	102.7079	2643.3828	102.8668		
2638.9631	102.7132	2643.5352	102.872		
2639.1155	102.7185	2643.6875	102.8773		
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2639.4204	102.7291	2643.9924	102.8879		
2639.5728	102.7344	2644.1448	102.8932		
2639.7251	102.7397	2644.2971	102.8985		

"Topes" Zones

Well: YPF.Ch.APC-406

Date: 10/27/2014 14:17:15

Zone_Name	Top	Bottom
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CII	1184	1416
-----	------	------

CIII	1416	2013
------	------	------

CIV	2013	2653
-----	------	------

CV	2653	2676
----	------	------

"Topes" Zones

Well: YPF.Ch.APC-406

Date: 10/27/2014 14:17:15

Zone_Name	Top	Bottom
-----------	-----	--------

CII	1184	1416
-----	------	------

CIII	1416	2013
------	------	------

CIV	2013	2653
-----	------	------

CV	2653	2676
----	------	------

"Zonas" Zones

Well: YPF.Ch.APC-406

Date: 10/27/2014 14:17:25

Zone_Name	Top	Bottom
CII	1184	1304
CIIa	1304	1416
CIII	1416	1530
CIIIa	1530	1746
CIIIb	1746	1857
CIIIc	1857	2013
CIV	2013	2205
CIVa	2205	2470
CIVb	2470	2653
CV	2653	2676

"Zonas" Zones

Well: YPF.Ch.APC-406

Date: 10/27/2014 14:17:25

Zone_Name	Top	Bottom
CII	1184	1304
CIIa	1304	1416
CIII	1416	1530
CIIIa	1530	1746
CIIIb	1746	1857
CIIIc	1857	2013
CIV	2013	2205
CIVa	2205	2470
CIVb	2470	2653
CV	2653	2676

COMPANIA: ASTRA CAPSA

POZO: APC-406

CAMPO: MB-PAMPA DEL CASTILLO

PROVINCIA: CHUBUT PAIS: ARGENTINA

Schumberger NEUTRON COMPENSADO CNT-CCL Escala: 1/200

Table with location and equipment details: LOCACION (COMODORO), Ref. Permanente, Nivel Terreno, Equip. (0 DEG), Longitud, Latitud.

Table with well parameters: Carrera No., Prof. Perforador (2833 M), Prof. Reglet. (5000 M), Profundidad Tuberia Registro (2897.6 M), Dia. Int. (891.6 M).

Table with columns Run 1, Run 2, Run 3, Run 4. Rows include Logging Date, Run Number, Depth (Schlumberger Depth, Bottom Log Interval), Top Log Interval, Casing Driller Size @ Depth, Casing Schlumberger Bit Size, Type Fluid in Hole, Density, Viscosity, Fluid Log PH, Source of Sample, FMI @ Measured Temperature, FMT @ Measured Temperature, FMC @ Measured Temperature, Secure FMI, FMI @ MHT, FMT @ MHT, Maximum Recorded Temperature, Circulation Stopped Time, Logger On Bottom Unit Number, Location, Recorded By, Witnessed By.

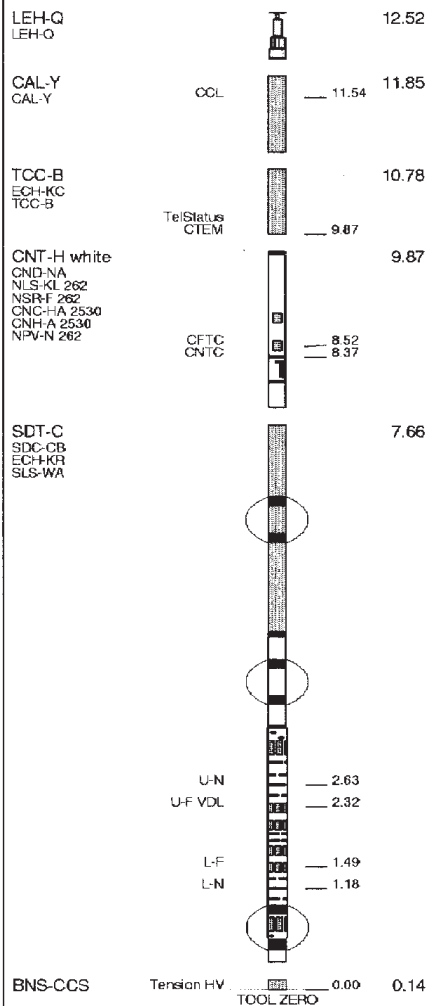
TODA INTERPRETACION ES UNA OPINION BASADA EN INFERENCIAS DE MEDIDAS ELECTRICAS Y NO PODEMOS GARANTIZAR NI GARANTIZAMOS LA EXACTITUD O VALIDEZ DE NINGUNA INTERPRETACION Y NO ASUMIMOS EXCEPTO EN EL CASO DE CULPA GRAVE DE NUESTRA PARTE RESPONSABILIDAD ALGUNA POR PERDIDAS, COSTOS, GASTOS O GASTOS INCUPLICADOS O SUFRIDOS POR PERSONA ALGUNA COMO RESULTADO DE CUALQUIER INTERPRETACION HECHA POR UNO DE NUESTROS FUNCIONARIOS, AGENTES O EMPLEADOS. ESTA INTERPRETACION TAMBIEN ESTA SUJETA A LO ESTIPULADO EN LOS TERMINOS Y CONDICIONES GENERALES SEGUN CONSTA EN NUESTRA LISTA DE PRECIOS VIGENTE.

Table with two columns: OTROS SERVICIOS # 1 (OS1-OS5), OBSERVACIONES: CARRERA # 1; OTROS SERVICIOS # 2 (OS1-OS5), OBSERVACIONES: CARRERA # 2. Includes correlation notes for Carrera # 1 and service order details for Run 1 and Run 2.

DESCRIPCION DEL EQUIPO

Table with columns CARRERA # 1 and CARRERA # 2. Lists surface equipment: STM-C, CNB-AB 1466, NCT-B, NCS-VB 4580, TCM-AB.

DOWNHOLE EQUIPMENT



MAXIMUM STRING DIAMETER 7.50 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

MAXIS EXPRESS



TRAMO PRINCIPAL

Input DLIS Files

DEFAULT	SDTC .008	FN:8	FIELD	20-Sep-1996 17:40	2650.5 M	1435.6 M
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Output DLIS Files

DEFAULT	SDTC .023	FN:16	FIELD	21-Sep-1996 03:08	2648.1 M	1433.2 M
TNPH	SDTC .023	FN:17	FIELD	21-Sep-1996 03:08	2648.1 M	1433.2 M

OP System Version: 8B0-538

MCM

SDT-C	8B0-538	CNT-H	8B0-538
TCC-B	8B0-538	CAL-Y	8B0-538

PIP SUMMARY

← Casing Collars

Time Mark Every 60 S

CasCollar
From CCL to T1

Casing Collar Locator (CCL)

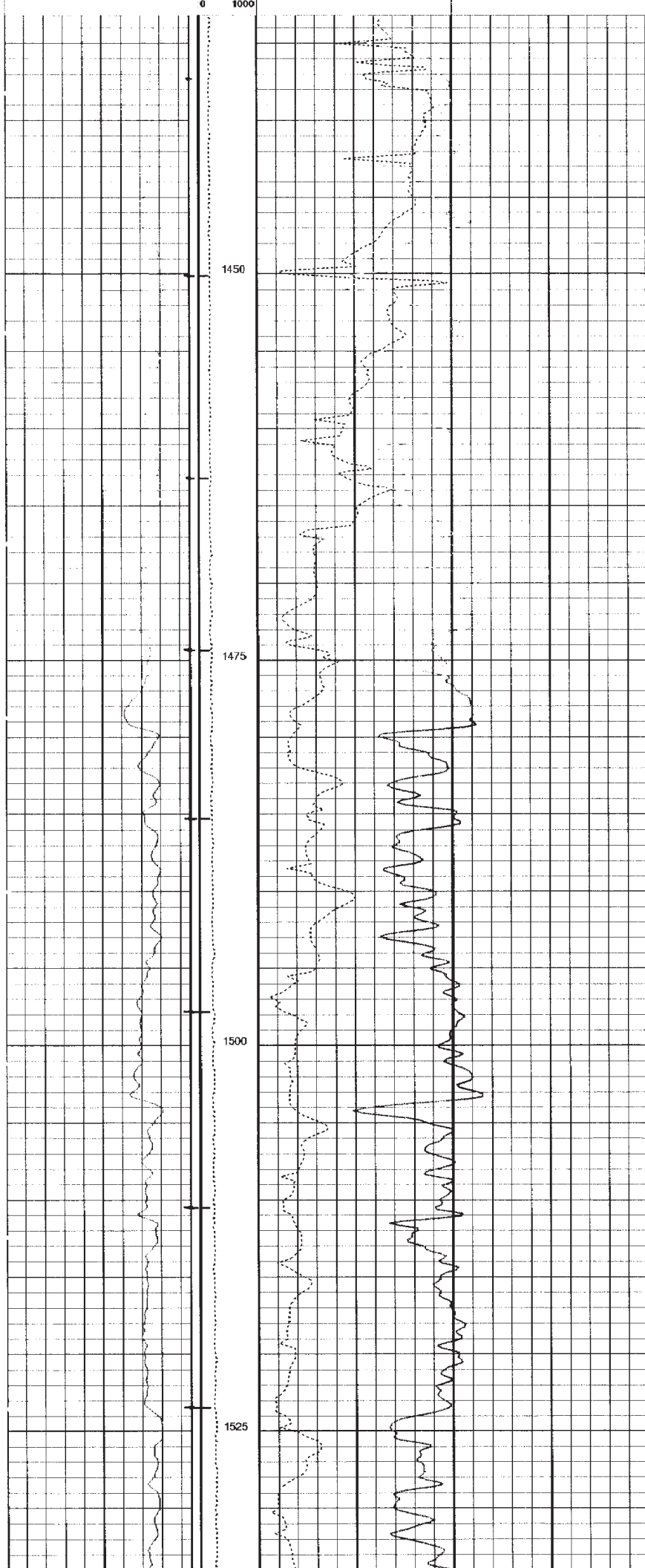
-19 (---) 1

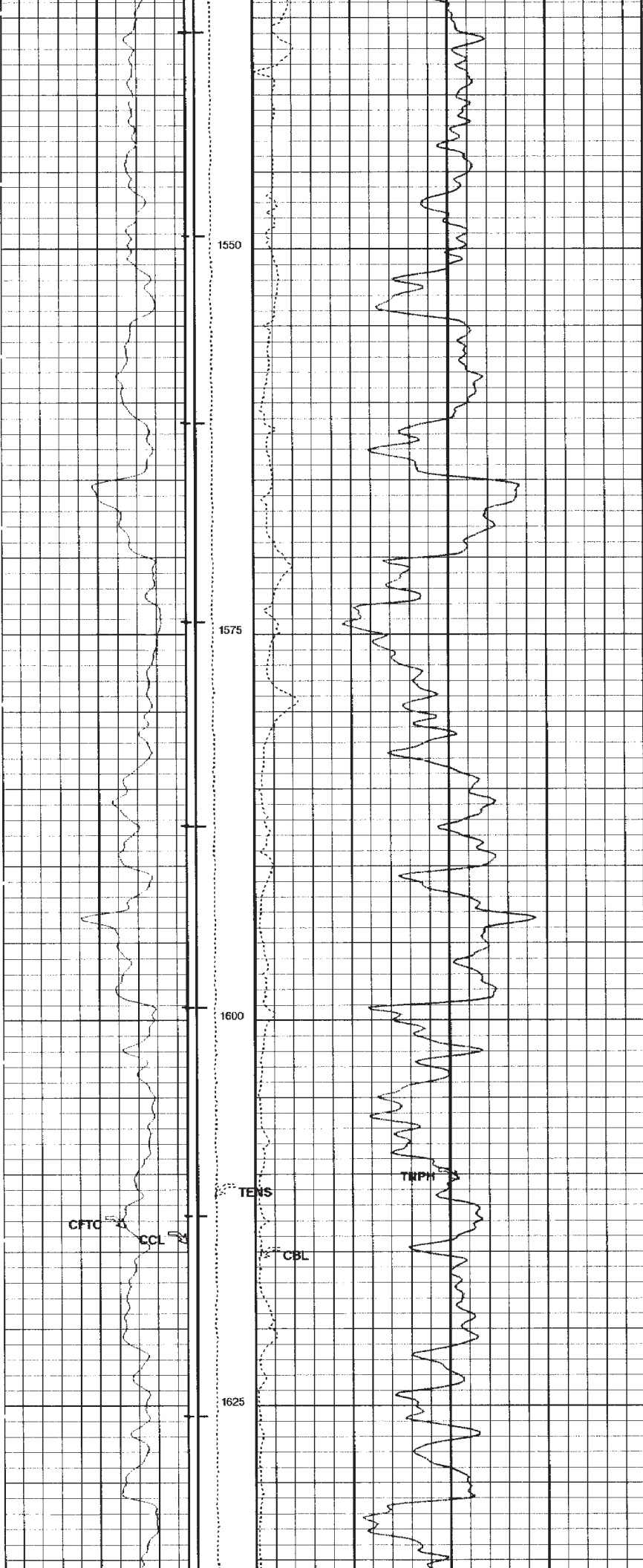
Tension
(TENS)
(LBF)

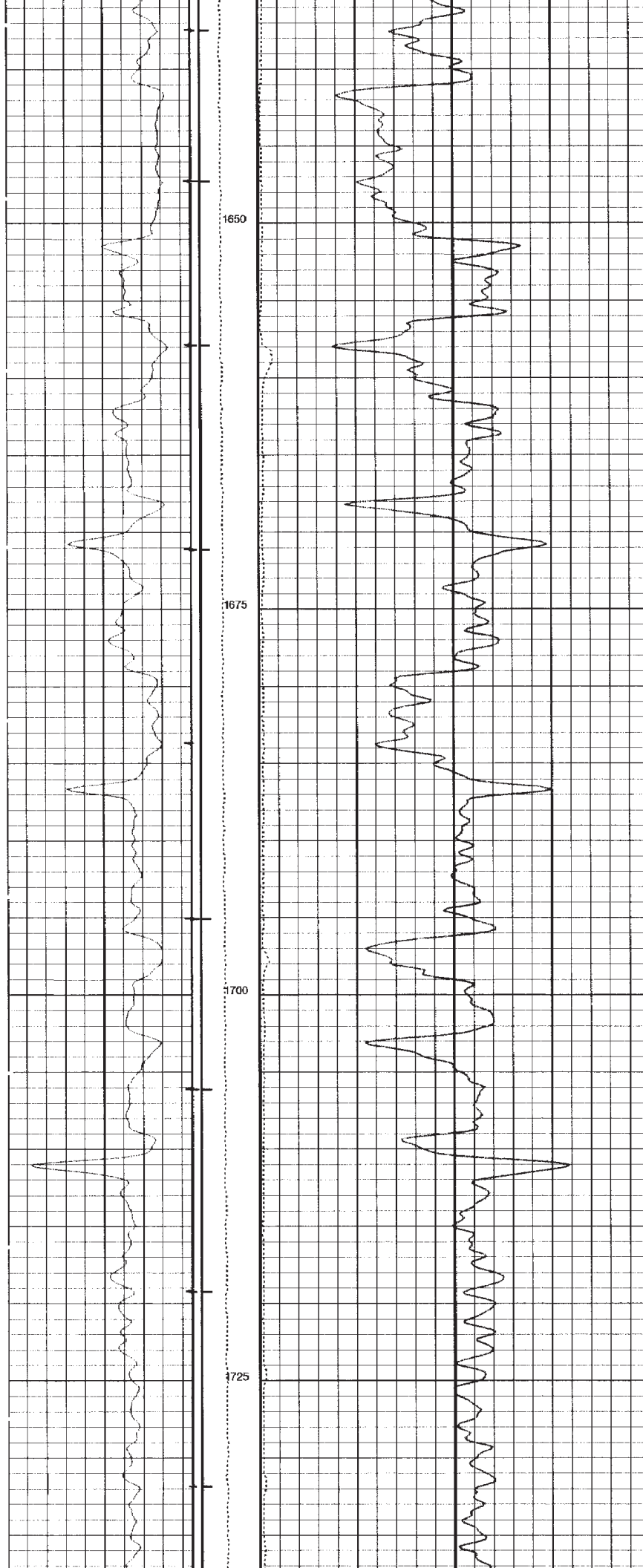
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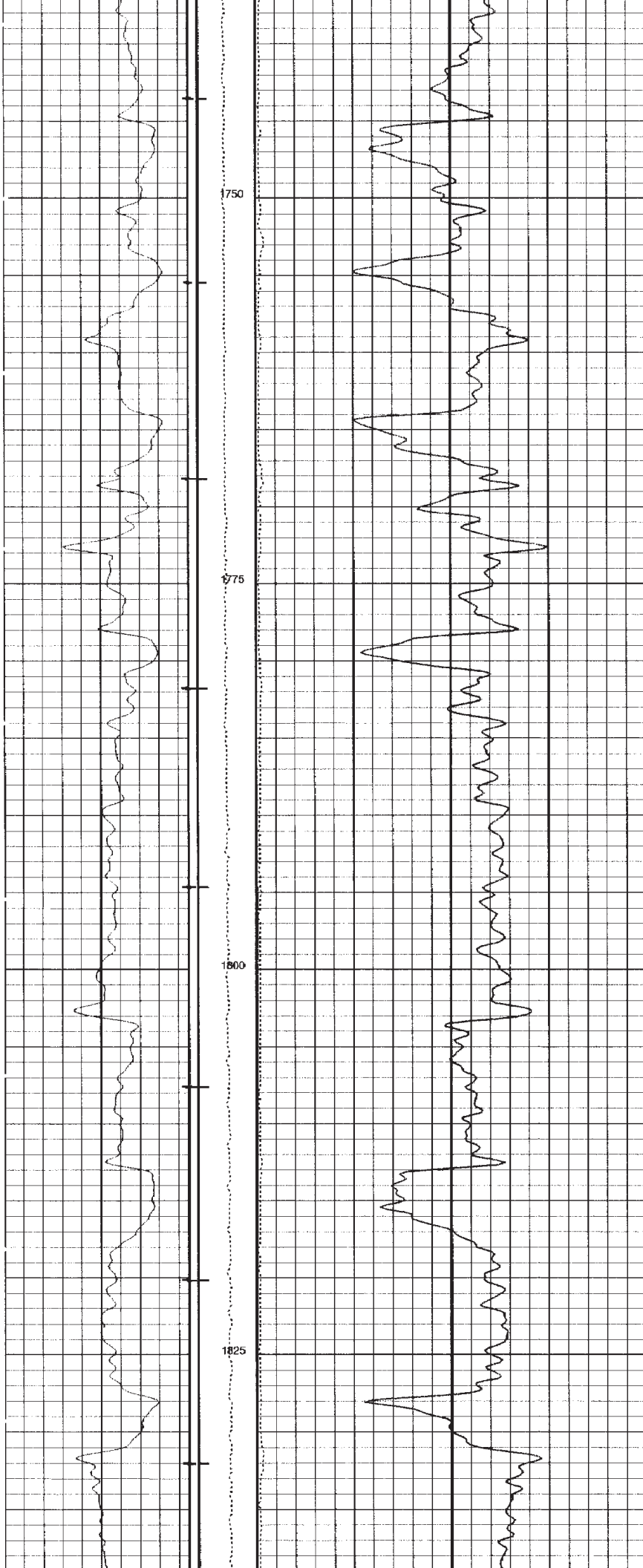
CBL Amplitude (CBL)
(MV)

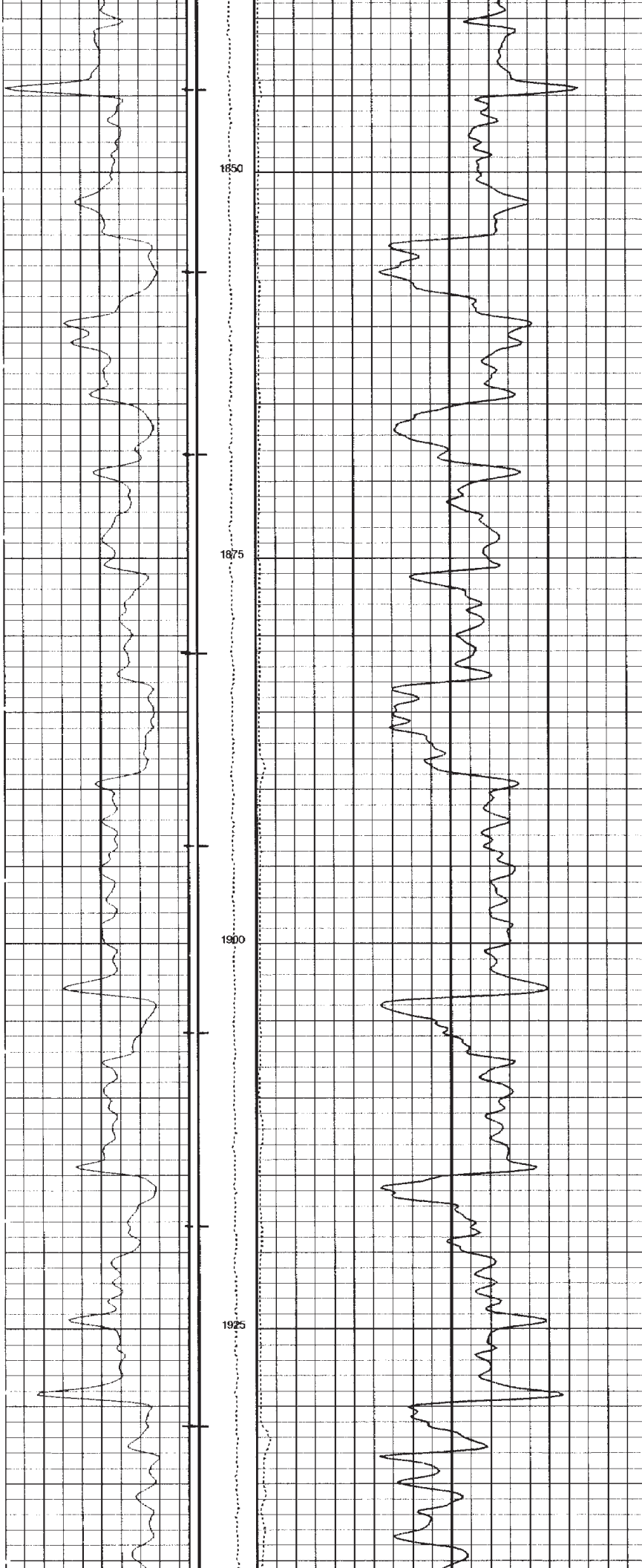
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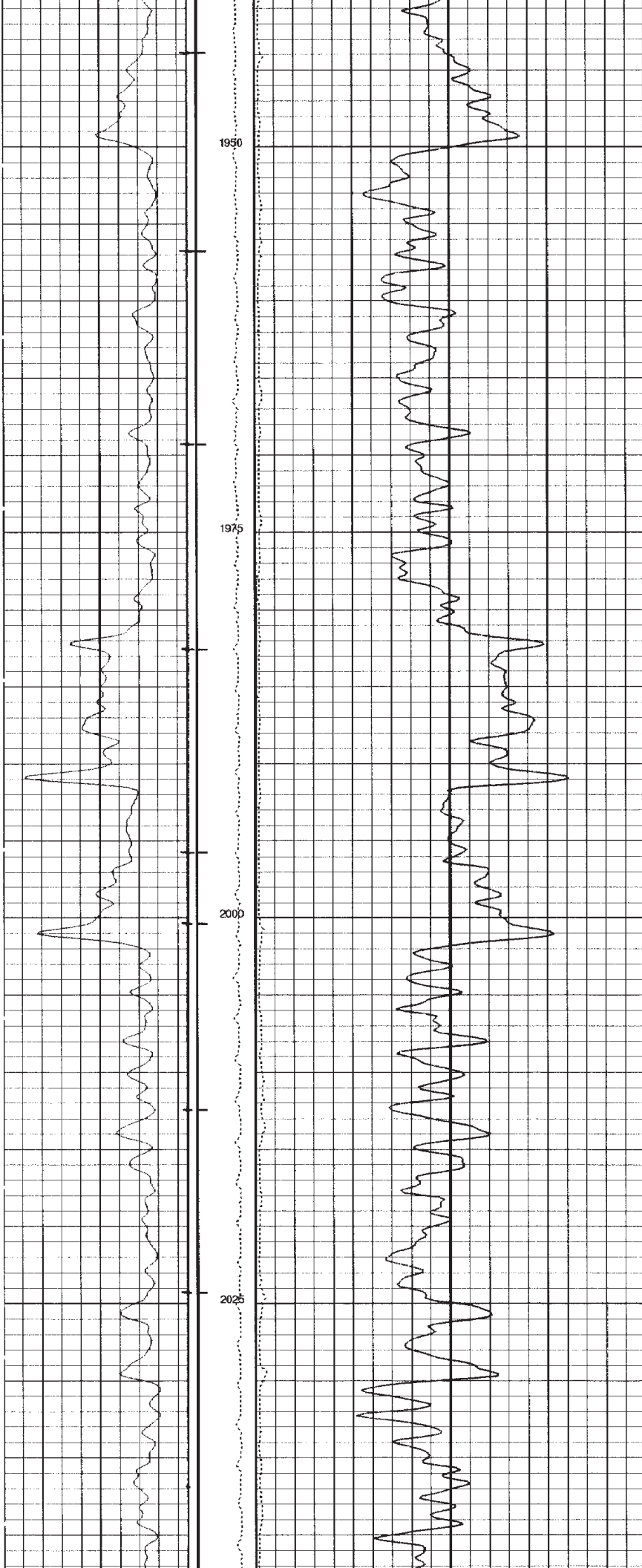


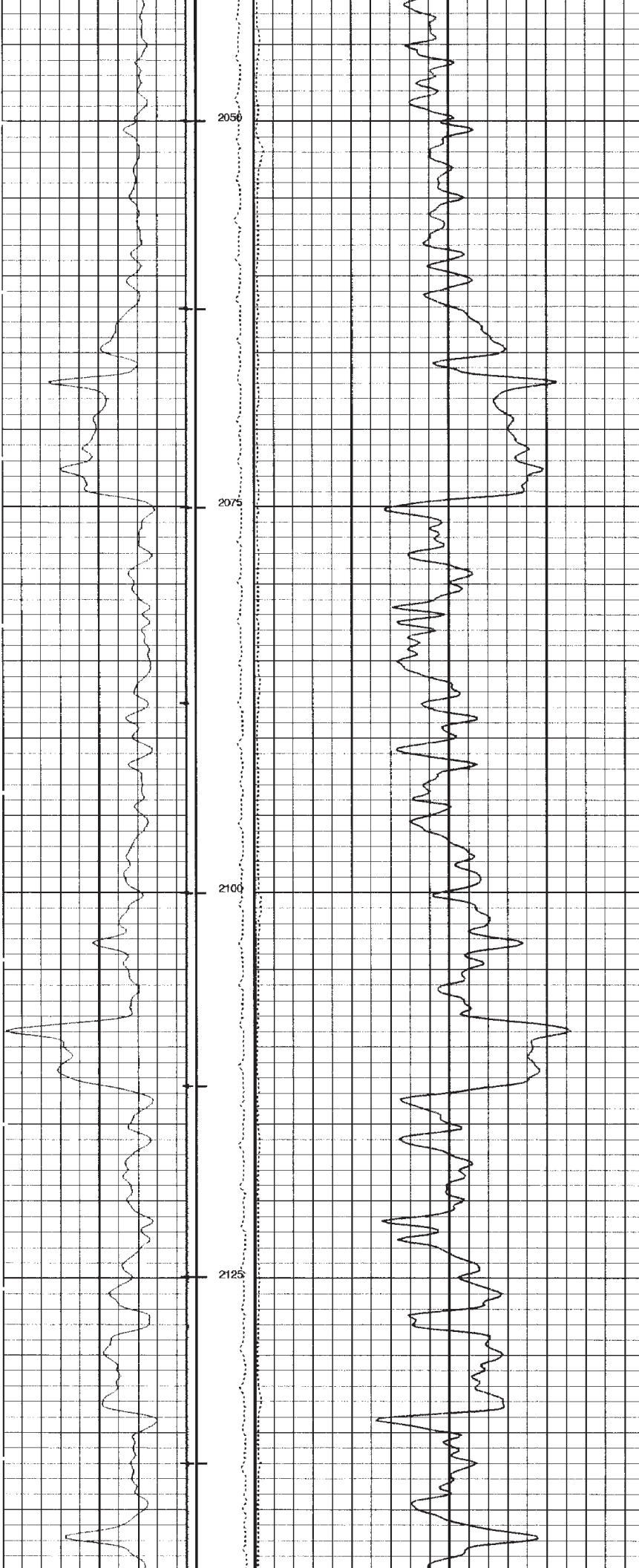


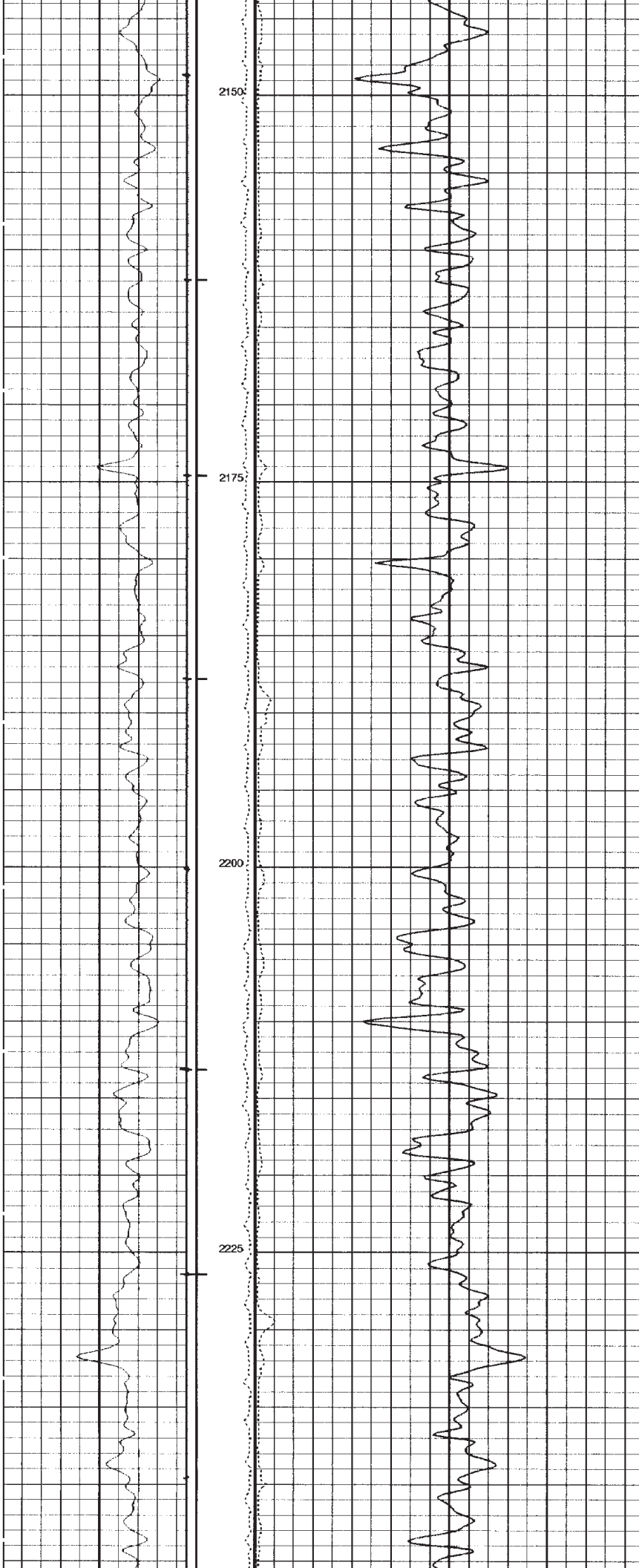


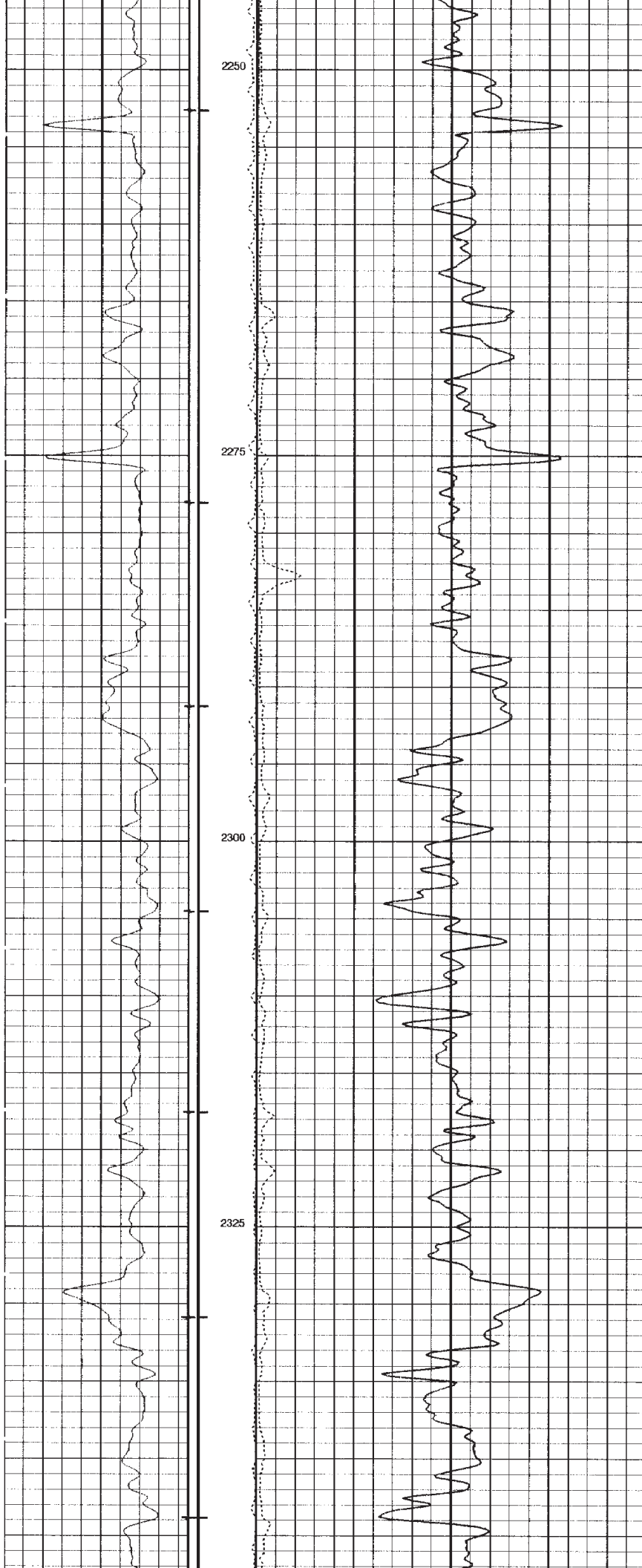


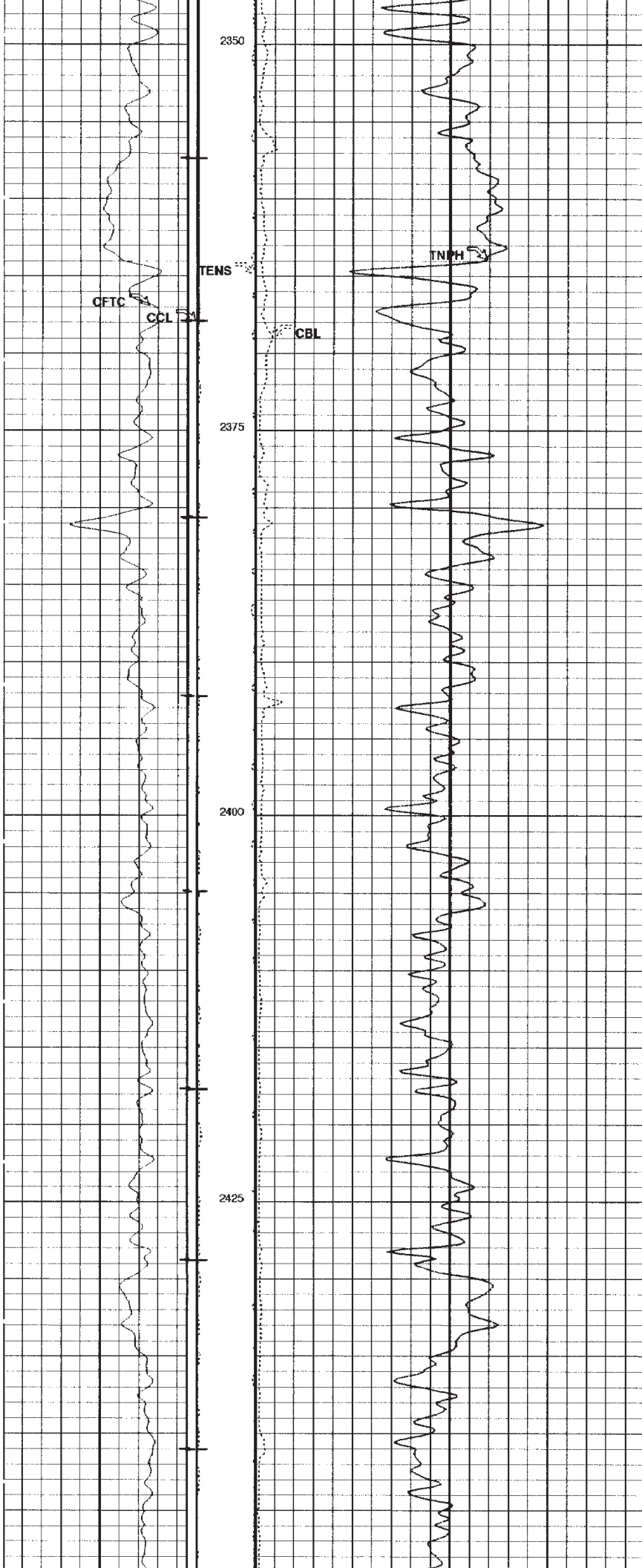


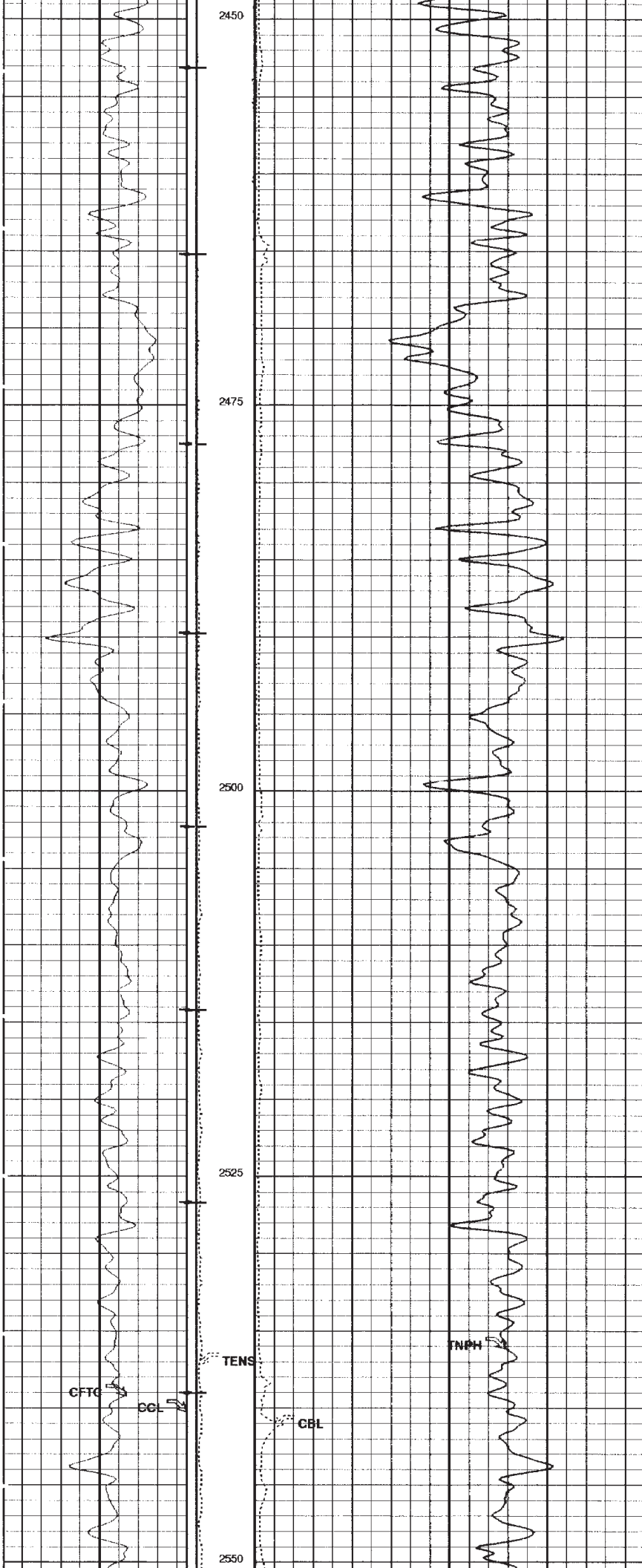












2450

2475

2500

2525

2550

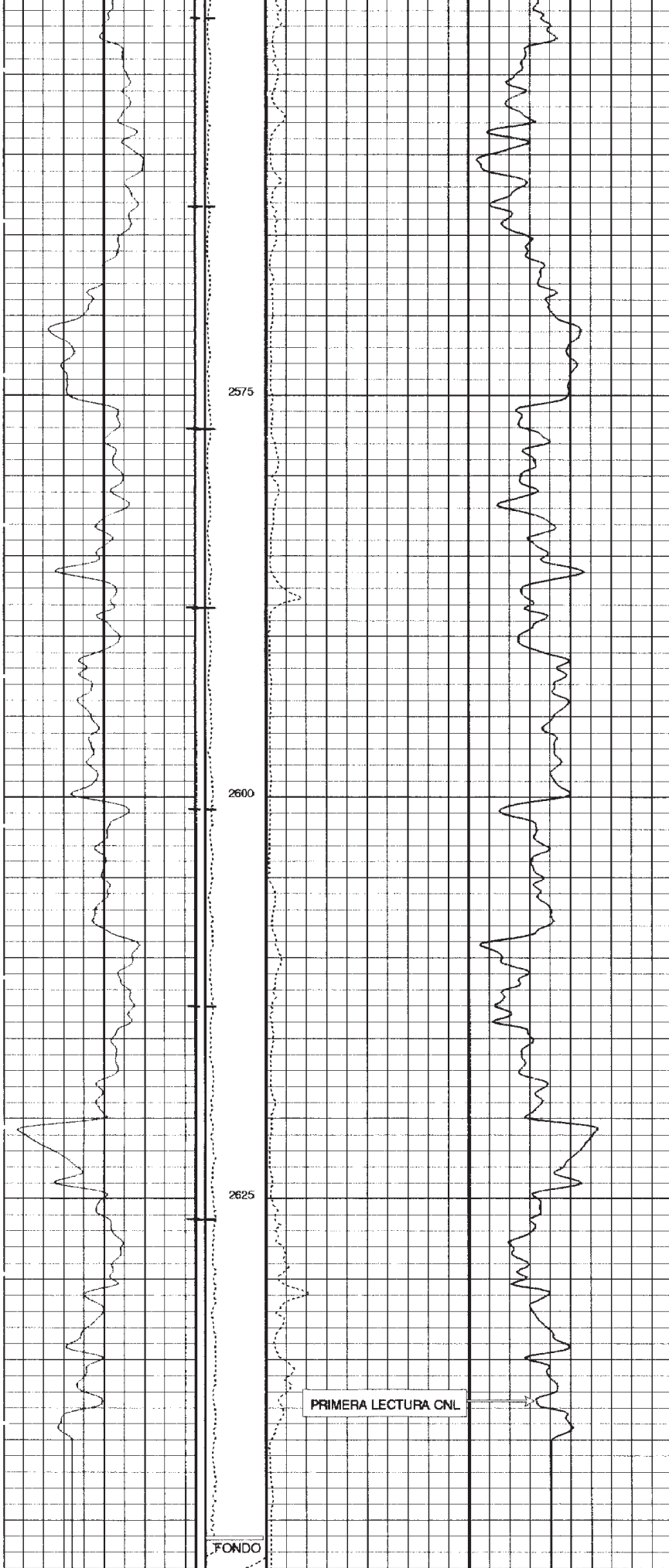
CFTG

CCL

TENS

CBL

TNPB



Far Thermal Counts (CFTC) 2000 (CPS) 0
Tension (TENS) (LBF) 0 1000
CBL Amplitude (CBL) (MV) 0 80

19 (—) 1
 CasCollar
 From CCL to T1

(V/V)

PIP SUMMARY

← Casing Collars

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
BHFL	Borehole Fluid Type	WATER
BHS	Bore Hole Status	CASED
BS	Bit Size	8.500 IN
BSAL	Borehole Salinity	-50000.00 PPM
BSCO	Borehole Salinity Correction Option	NO
CCCO	Casing & Cement Thickness Correction Option	NO
CCLD	CCL reset delay	12 IN
CCLT	CCL detection level	0.3 V
CWEI	Casing Weight	15.50 LB/F
DFD	Drilling Fluid Density	1.00 G/C3
DO	Depth Offset	-2.4 M
FSAL	Formation Salinity	-50000 PPM
FSCO	Formation Salinity Correction Option	NO
GCSE	Generalized Caliper Selection	BS
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.018227 DC/M
HSCO	Hole Size Correction Option	YES
MATR	Rock Matrix Type	SANDSTONE
MCCO	Mud Cake Correction Option	NO
MCCR	Mud Correction	NATU
MST	Mud Sample Temperature	16.10 DEGC
MWCO	Mud Weight Correction Option	NO
PP	Playback Processing	OFF
PTCO	Pressure/Temperature Correction Option	NO
RWFS	Resistivity of Mud Filtrate Sample	-50000.0000 OHMM
SDAT	Standoff Data Source	SOCN
SOCN	Standoff Distance	0.5 IN
SOCO	Standoff Correction Option	NO
TDL	Total Depth - Logger	2248.00 M

Format: TNPH-CFTC Vertical Scale: 1:200 Graphics File Created: 21-Sep-1996 03:08

OP System Version: 8B0-538

MCM

SDT-C	8B0-538	CNT-H	8B0-538
TCC-B	8B0-538	CAL-Y	8B0-538

Input DLIS Files

DEFAULT	SDTC .008	FN:8	FIELD	20-Sep-1996 17:40	2650.5 M	1435.6 M
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Output DLIS Files

DEFAULT	SDTC .023	FN:16	FIELD	21-Sep-1996 03:08		
TNPH	SDTC .023	FN:17	FIELD	21-Sep-1996 03:08		

MAXIS EXPRESS



TRAMO REPETIDO

Input DLIS Files

DEFAULT SDTC .007 FN:7 FIELD 20-Sep-1996 17:24 2651.9 M 2545.6 M

Output DLIS Files

OP System Version: 8B0-538

MCM

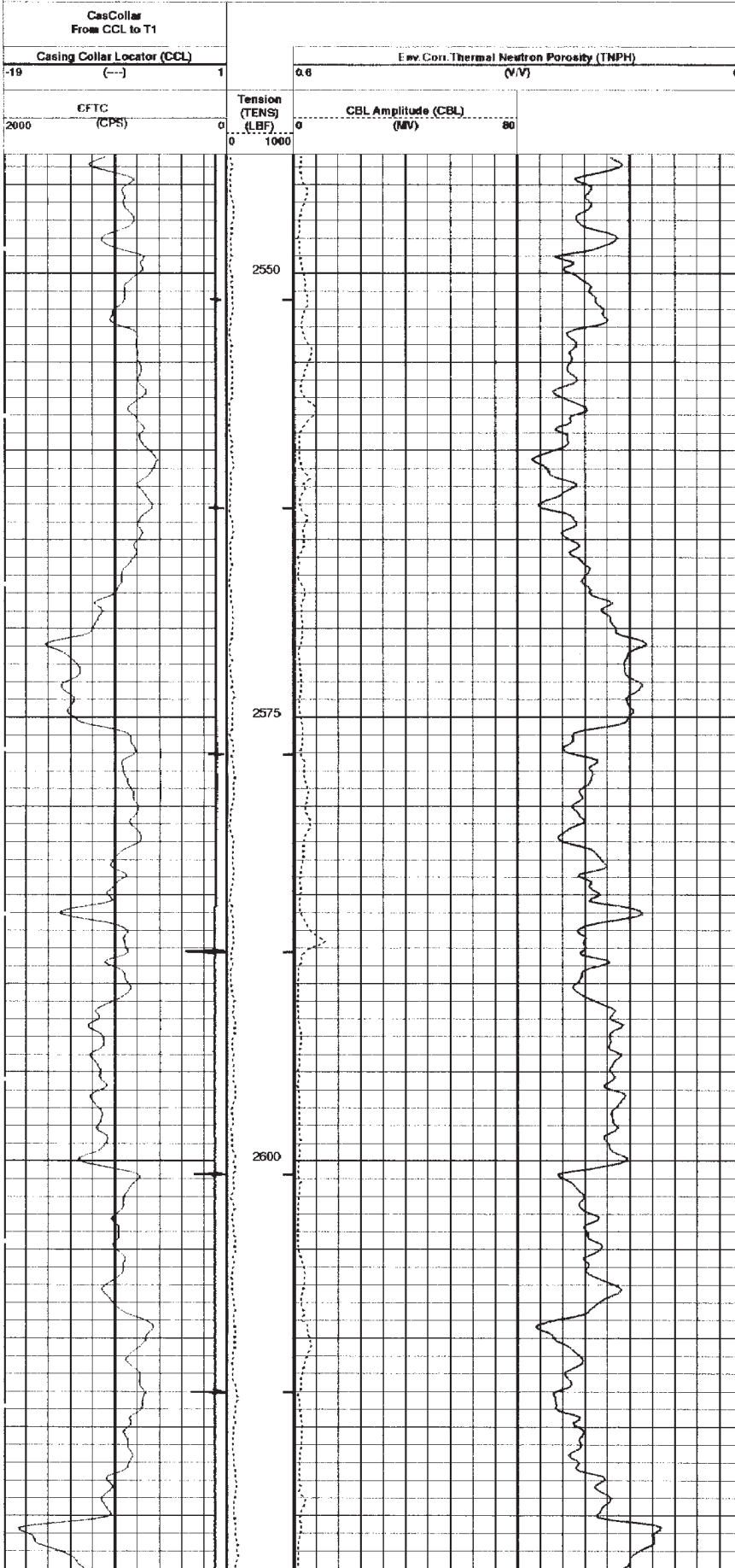
SDT-C 8B0-538
TCC-B 8B0-538

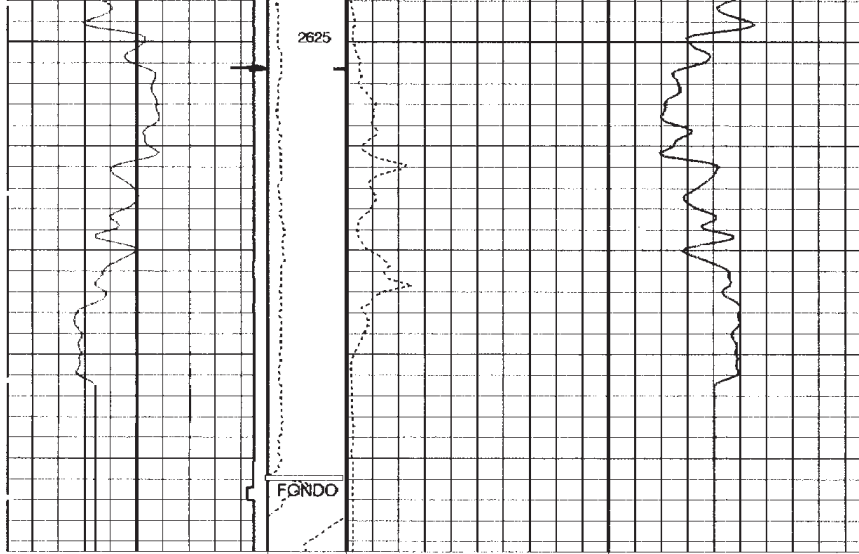
CNT-H 8B0-538
CAL-Y 8B0-538

PIP SUMMARY

→ Casing Collars

Time Mark Every 60 S





CFTC (CPS)	Tension (TENS) (LBF)	CBL Amplitude (CBL) (MV)	Env. Corr. Thermal Neutron Positivity (TNPH) (V/V)
2000	0	80	0
0	0	0	0
1000	1000		
Casing Collar Locator (CCL) (---)			
-19	1	0.6	0
CasCollar From CCL to T1			

PIP SUMMARY

→ Casing Collars

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
BHFL	Borehole Fluid Type	WATER	
BHS	Bore Hole Status	CASED	
BS	Bit Size	8.500	IN
BSAL	Borehole Salinity	-50000.00	PPM
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
CCLD	CCL reset delay	12	IN
CCLT	CCL detection level	0.3	V
CWEI	Casing Weight	15.50	LB/F
DFD	Drilling Fluid Density	1.00	G/CC
DO	Depth Offset	-2.5	M
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
HSCO	Hole Size Correction Option	YES	
MATR	Rock Matrix Type	SANDSTONE	
MCCO	Mud Cake Correction Option	NO	
MCCR	Mud Correction	NATU	
MST	Mud Sample Temperature	16.10	DEGC
MWCO	Mud Weight Correction Option	NO	
PP	Playback Processing	OFF	
PTCO	Pressure/Temperature Correction Option	NO	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
SDAT	Standoff Data Source	SOCN	
SOCN	Standoff Distance	0.5	IN
SOCO	Standoff Correction Option	NO	
TDL	Total Depth - Logger	2249.00	M

Format: TNPH-CFTC Vertical Scale: 1:200

Graphics File Created: 21-Sep-1998 02:56

OP System Version: 8B0-538

MCM

SDT-C	8B0-538	CNT-H	8B0-538
TCC-B	8B0-538	CAL-Y	8B0-538

Input DLIS Files

DEFAULT SDTC .007 FN:7 FIELD 20-Sep-1996 17:24 2651.9 M 2545.6 M

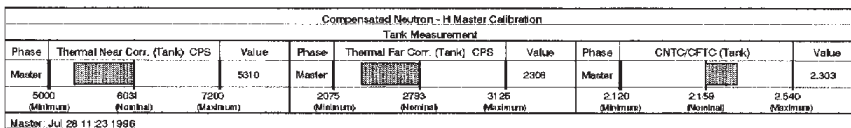
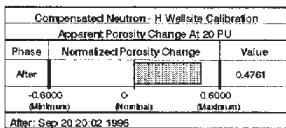
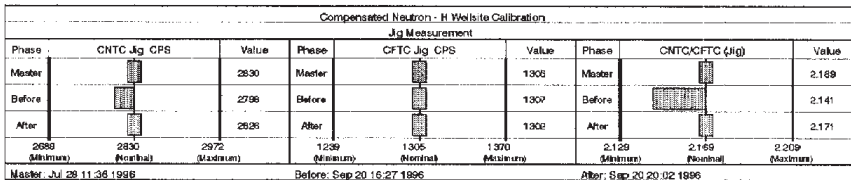
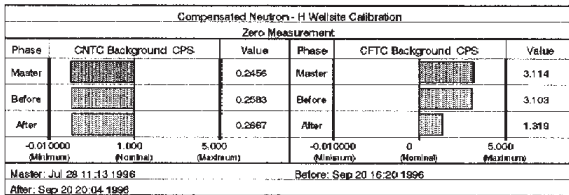
Output DLIS Files

Calibration and Check Summary							
Measurement	Nominal	Master	Before	After	Change	Limit	Units
Compensated Neutron - H Wellsite Calibration - Zero Measurement							
Master: Jul 28 11:13 1996 Before: Sep 20 16:20 1996 After: Sep 20 20:04 1996							
CNTC Background	1.000	0.2456	0.2583	0.2667	0.008344	N/A	CPS
CFTC Background	0	3.114	3.103	3.119	-1.783	N/A	CPS
Compensated Neutron - H Wellsite Calibration - Jig Measurement							
Master: Jul 28 11:36 1996 Before: Sep 20 16:27 1996 After: Sep 20 20:02 1996							
CNTC Jig	2830	2830	2795	2826	27.38	N/A	CPS
CFTC Jig	1305	1305	1307	1302	-5.442	N/A	CPS
CNTC/CFTC (Jig)	2.169	2.169	2.141	2.171	0.02988	N/A	
Compensated Neutron - H Wellsite Calibration - Apparent Porosity Change At 20 PU							
After: Sep 20 20:02 1996							
Normalized Porosity Change	0	N/A	N/A	0.4761	N/A	N/A	
Compensated Neutron - H Master Calibration - Tank Measurement							
Master: Jul 28 11:23 1996							
Thermal Near Corr. (Tank)	6031	5310	--	--	--	--	CPS
Thermal Far Corr. (Tank)	2793	2306	--	--	--	--	CPS
CNTC/CFTC (Tank)	2.159	2.303	--	--	--	--	

The CNT Master Calibration Was Done With The Following Parameters :

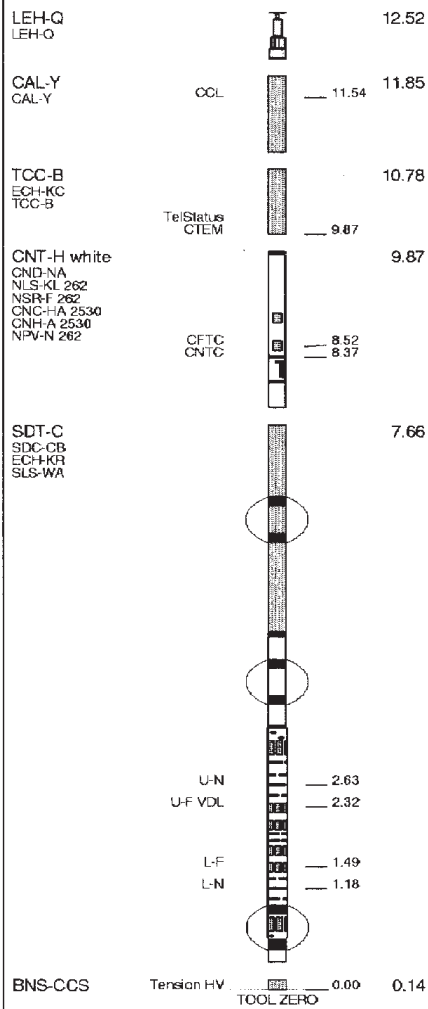
NCT-B Water Temperature 8.5 DEGC.
Thermal Housing Size 3.872 IN.

Compensated Neutron - H / Equipment Identification			
Primary Equipment:			
Compensated Neutron Cartridge	CNC - HA	2530	
Neutron Logging Source	NLS - KL	262	
Neutron Source Radioactive	NSR - F	262	white
Compensated Neutron Box	CNB - AB	1468	
Neutron Detector without Alpha Source	CND - NA		
Compensated Neutron Box	CNB - AB	1468	
Auxiliary Equipment:			
Compensated Neutron Housing	CNH - A	2530	
Neutron Calibration Tank	NCT - B		



COMPANIA:	ASTRA CAPSA	PRIMERA LECTURA	2637.5 M
POZO:	APC-406	PROFUNDIDAD PERFIL	2646 M
CAMPO:	MB-PAMPA DEL CASTILLO	PROF. PERFORADOR	2663 M
PROVINCIA:	CHUBUT	BUJE DE VASTAGO	
PAIS:	ARGENTINA	MESA ROTATIVA	
		NIVEL TERRENO	681.6 M
		NEUTRON COMPENSADO CNT-CCL Escala: 1/200	

DOWNHOLE EQUIPMENT



MAXIMUM STRING DIAMETER 7.50 IN
 MEASUREMENTS RELATIVE TO TOOL ZERO
 ALL LENGTHS IN METERS

MAXIS EXPRESS



TRAMO PRINCIPAL

Input DLIS Files

DEFAULT	SDTC .008	FN:8	FIELD	20-Sep-1996 17:40	2650.5 M	1435.6 M
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Output DLIS Files

DEFAULT	SDTC .023	FN:16	FIELD	21-Sep-1996 03:08	2648.1 M	1433.2 M
TNPH	SDTC .023	FN:17	FIELD	21-Sep-1996 03:08	2648.1 M	1433.2 M

OP System Version: 8B0-538

MCM

SDT-C	8B0-538	CNT-H	8B0-538
TCC-B	8B0-538	CAL-Y	8B0-538

PIP SUMMARY

← Casing Collars

Time Mark Every 60 S

CasCollar
From CCL to T1

Casing Collar Locator (CCL)

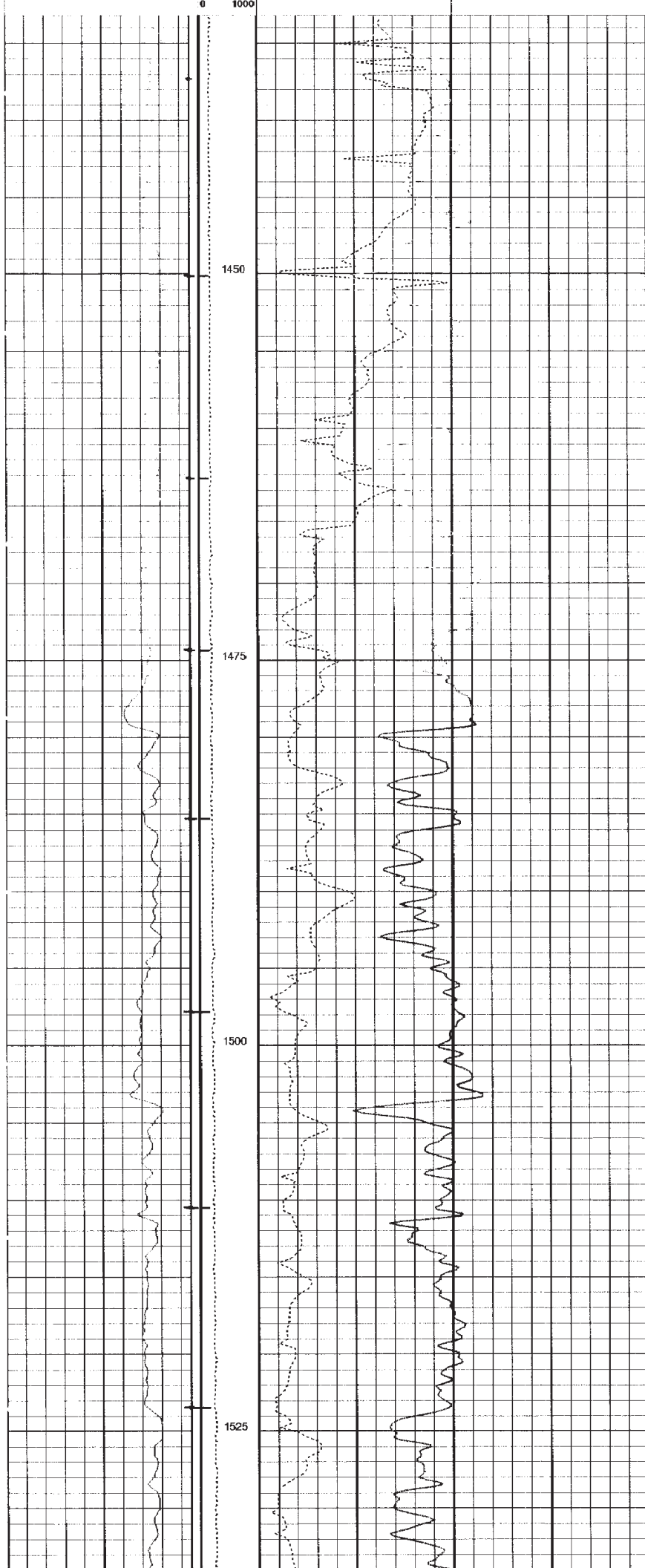
-19 (---) 1

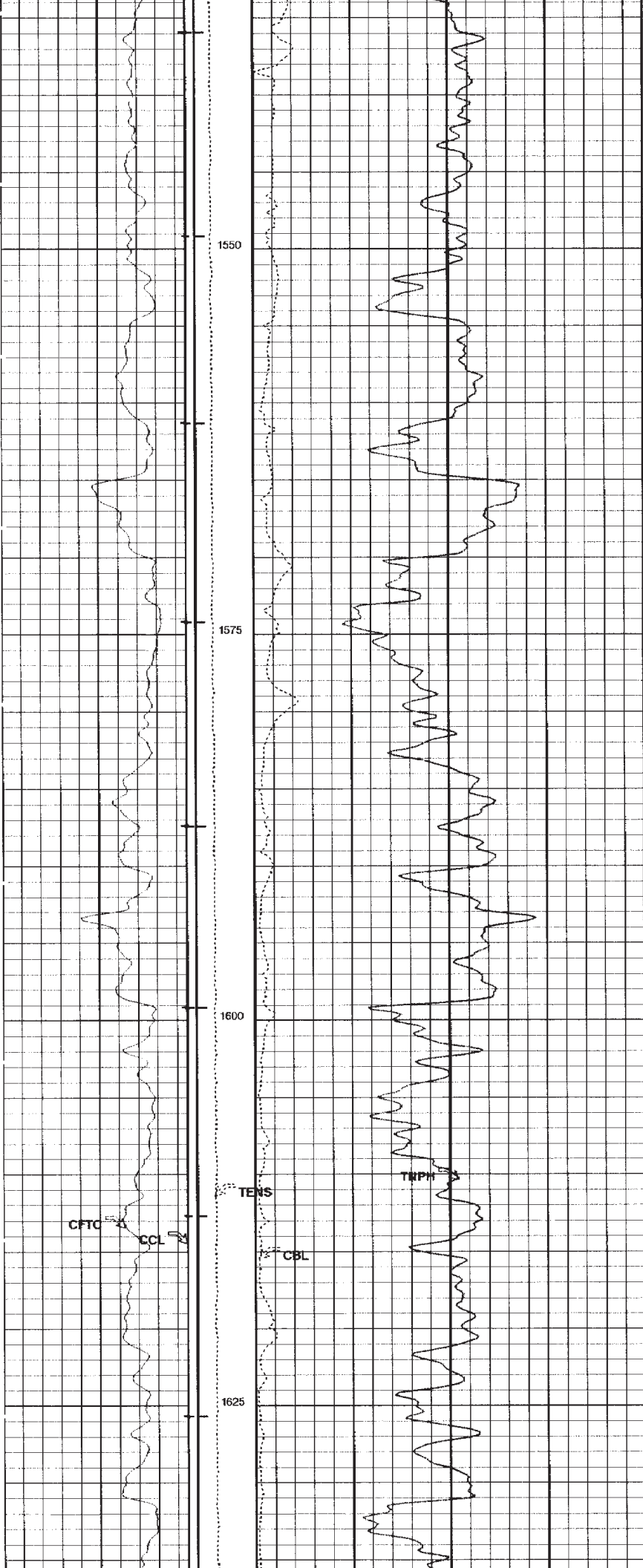
Tension
(TENS)
(LBF)

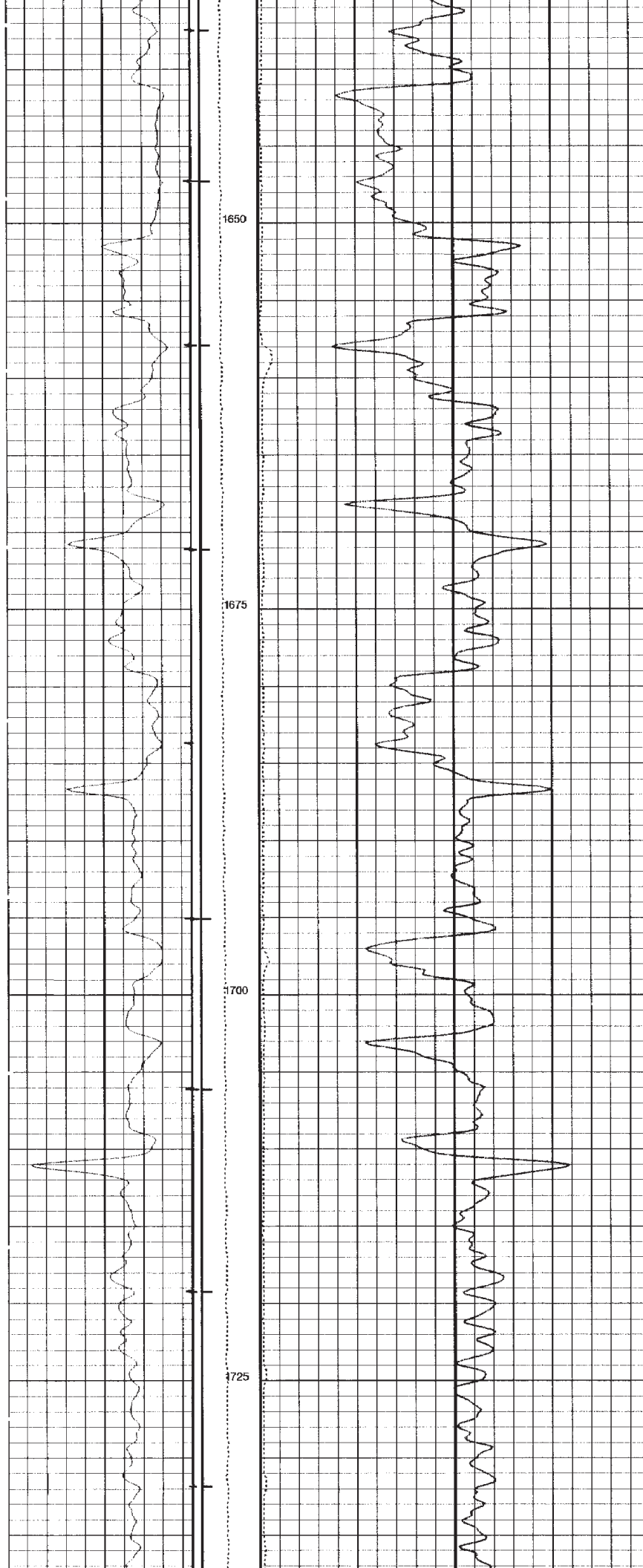
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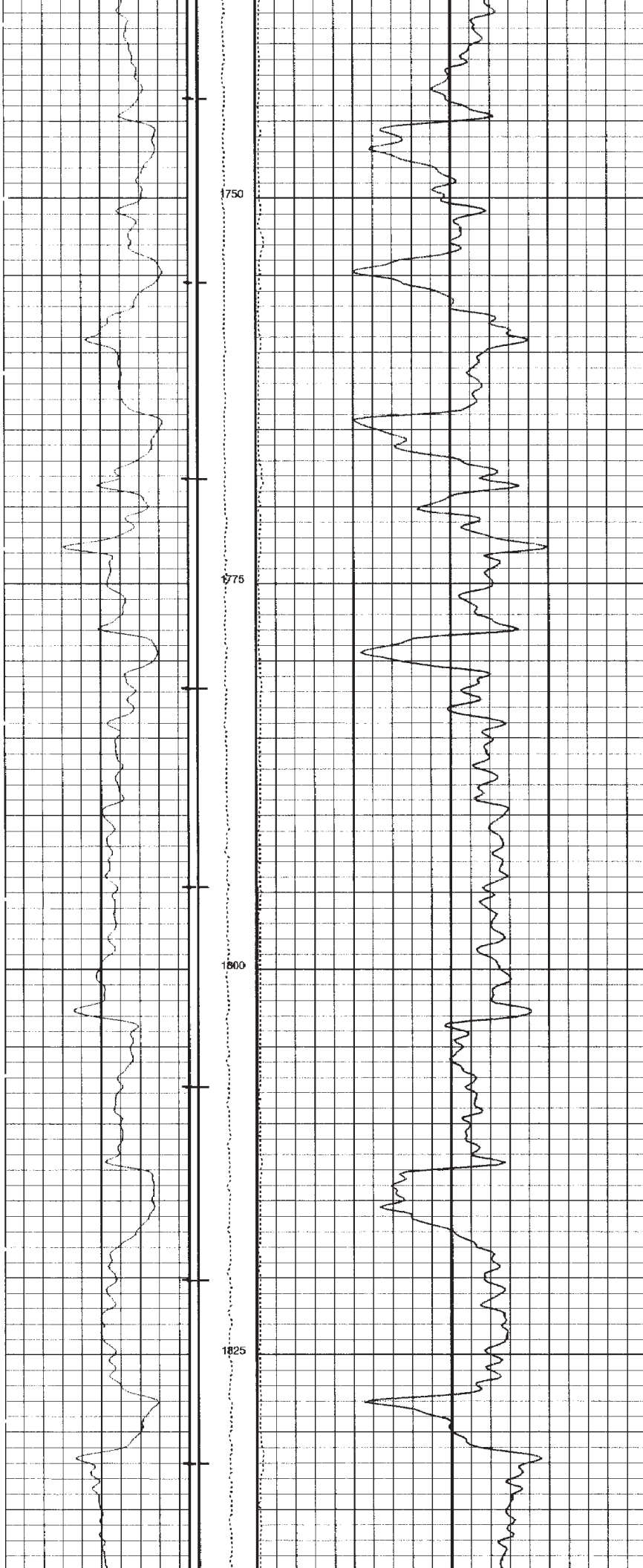
CBL Amplitude (CBL)
(MV)

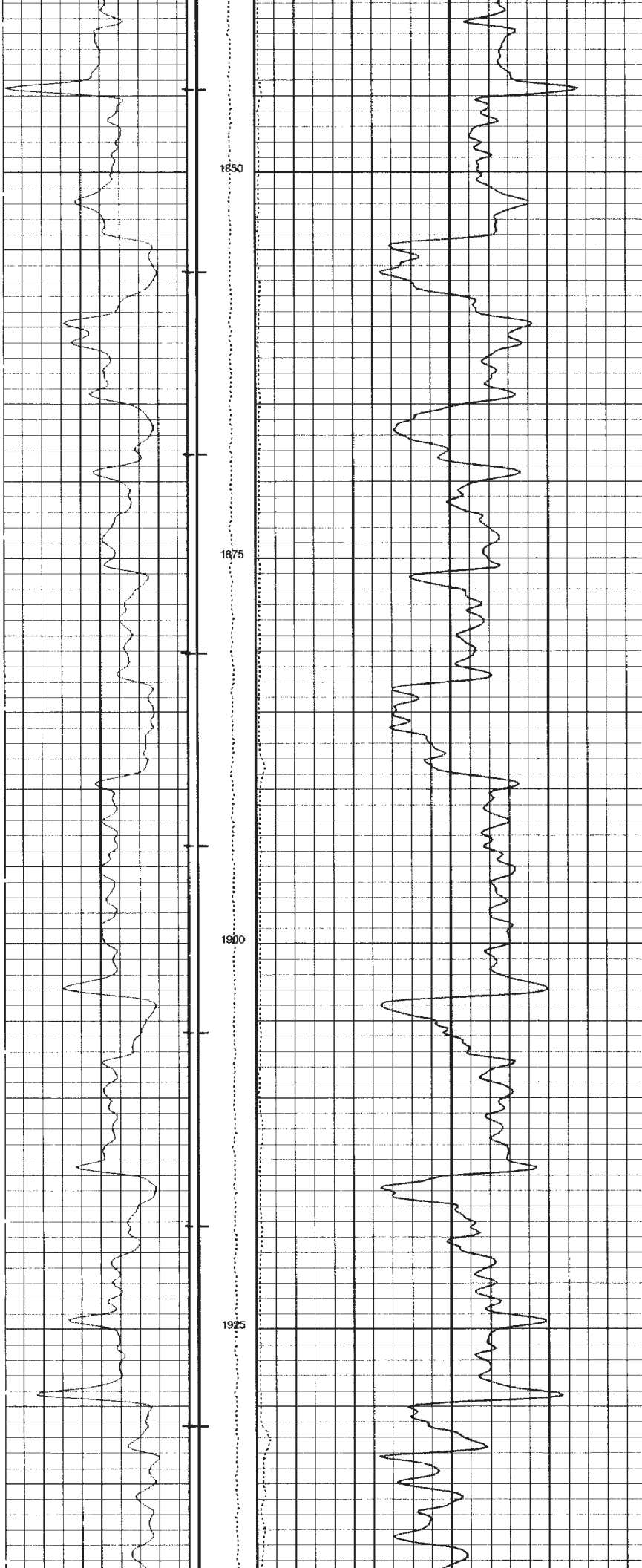
80

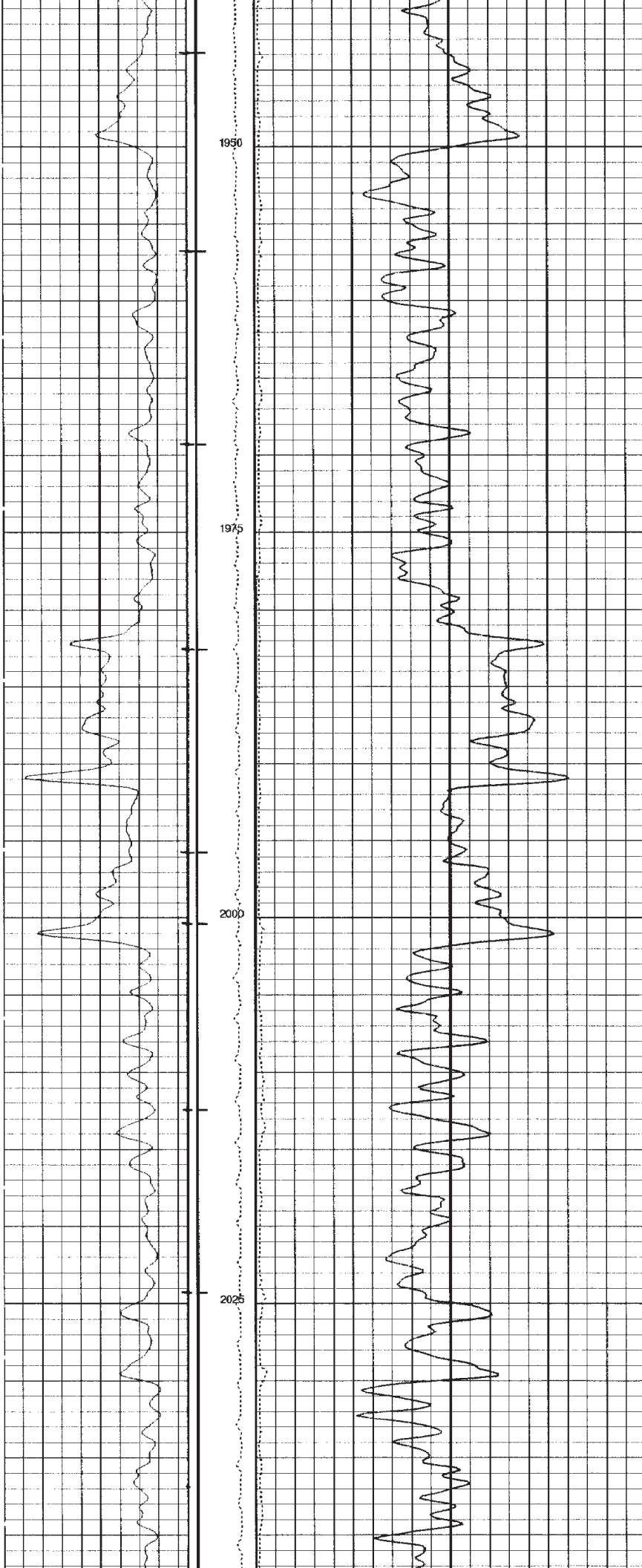


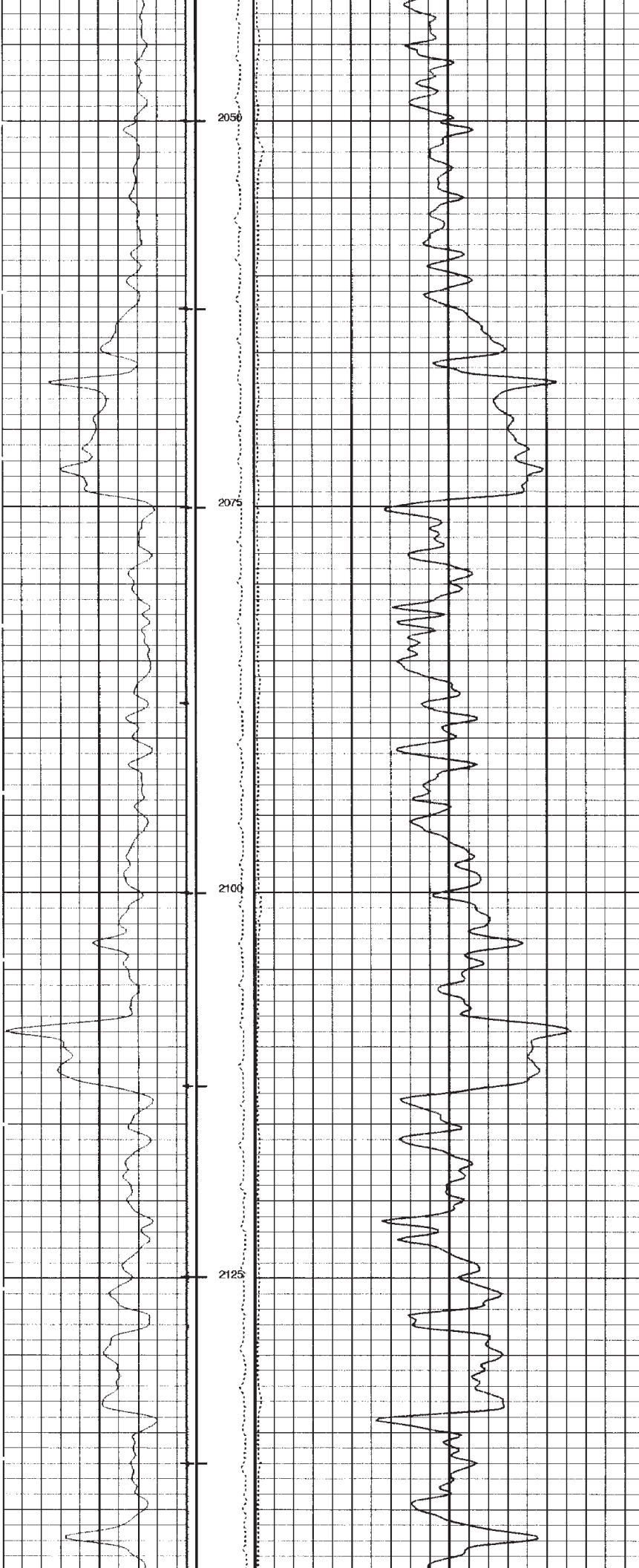


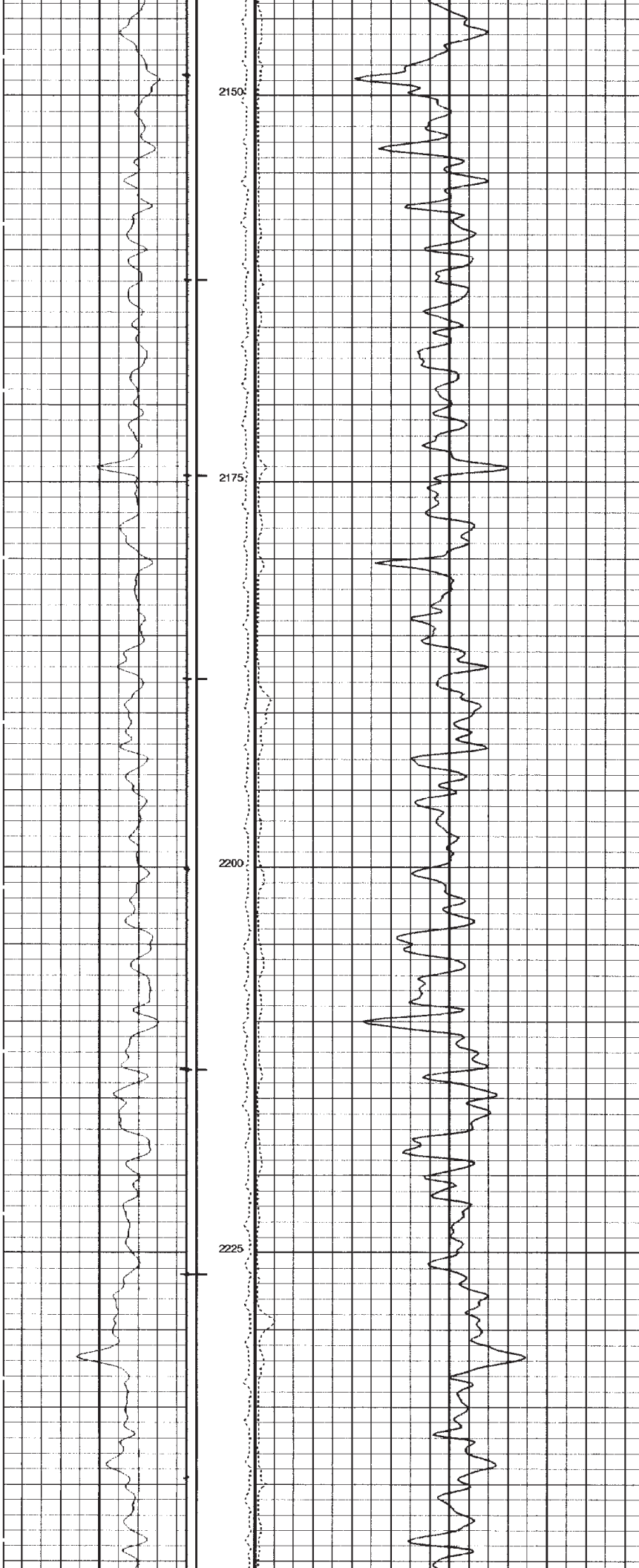


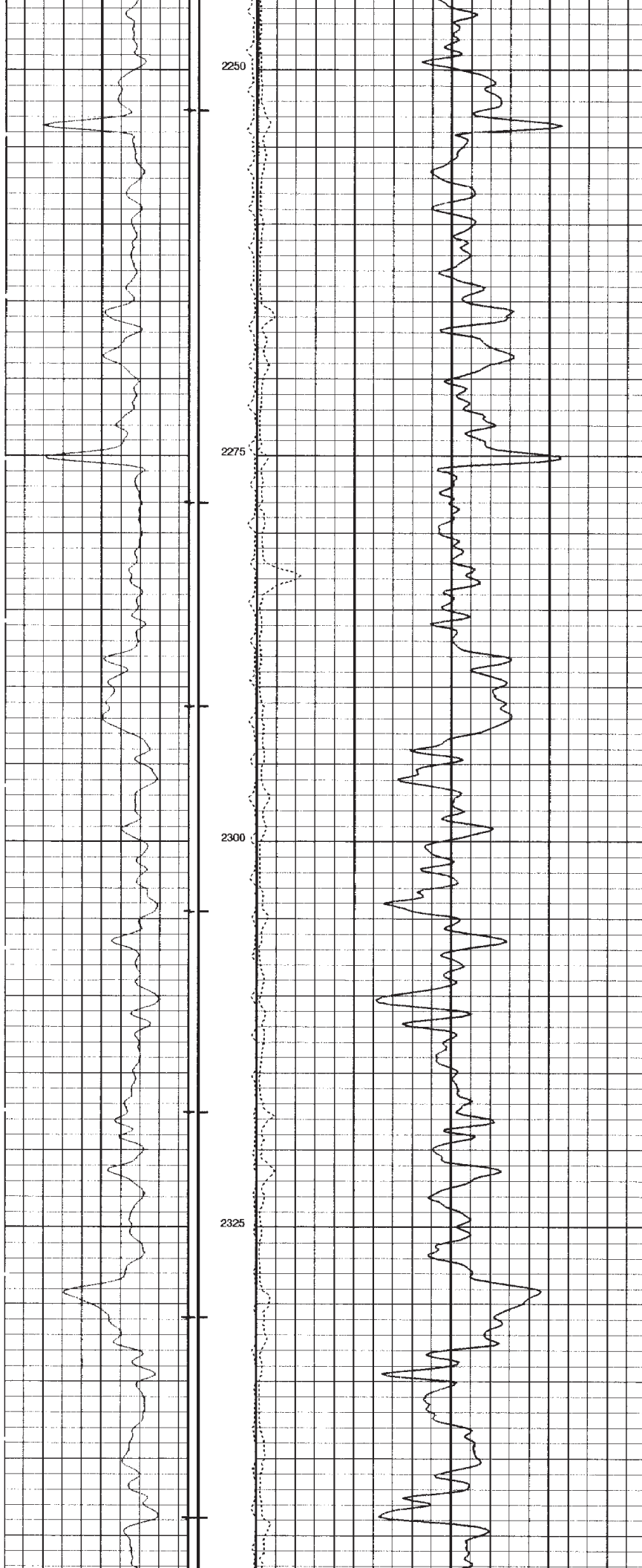


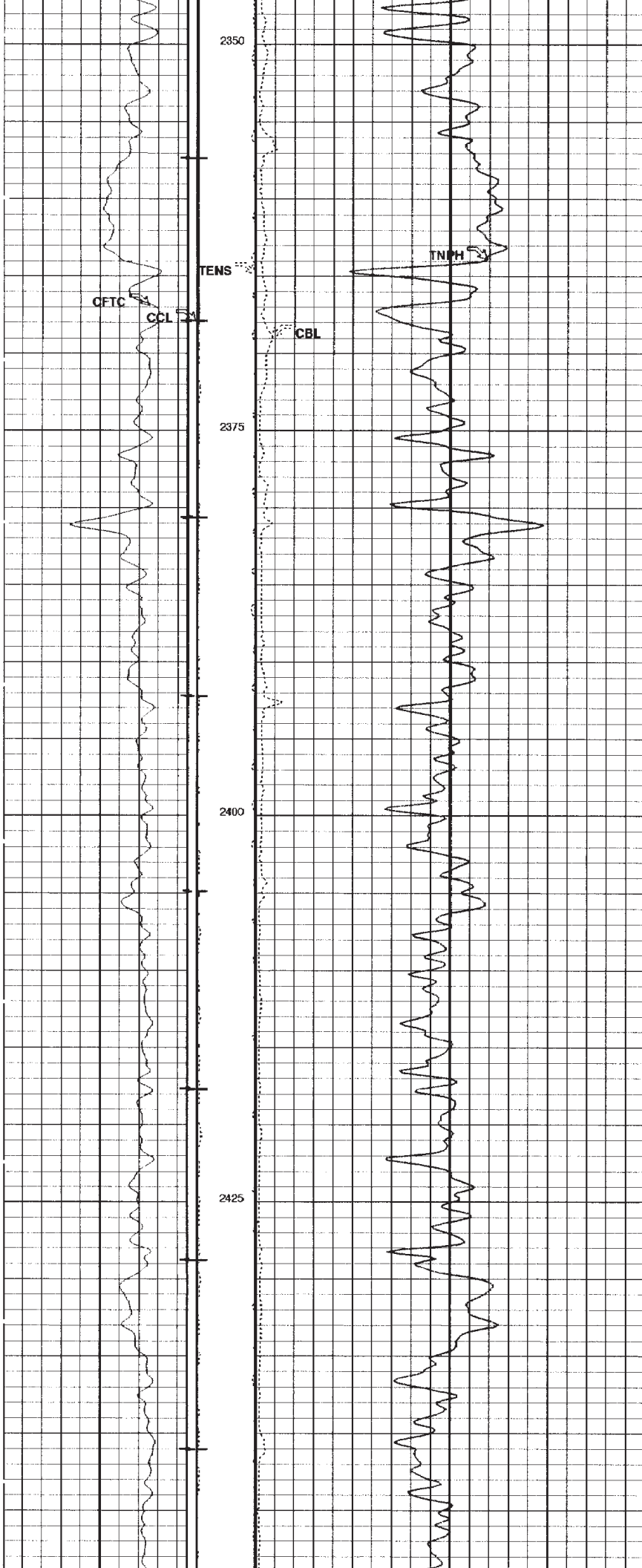


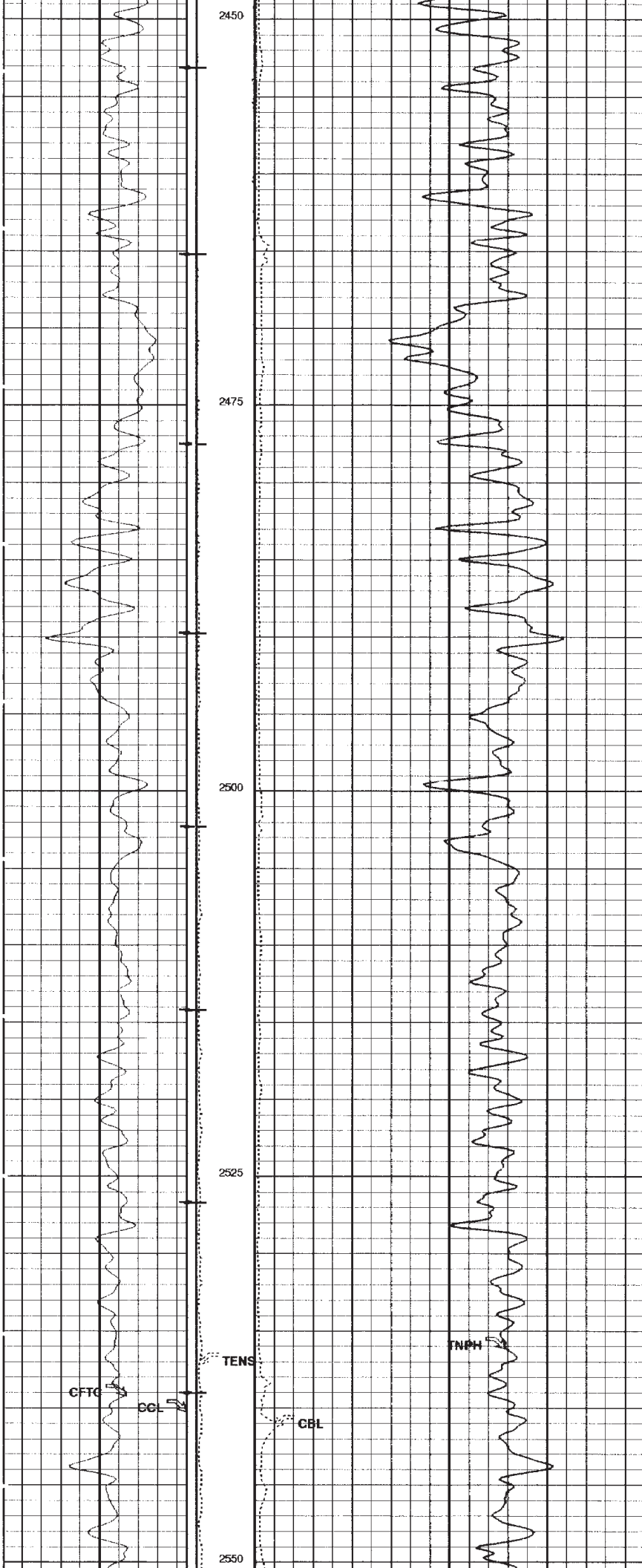


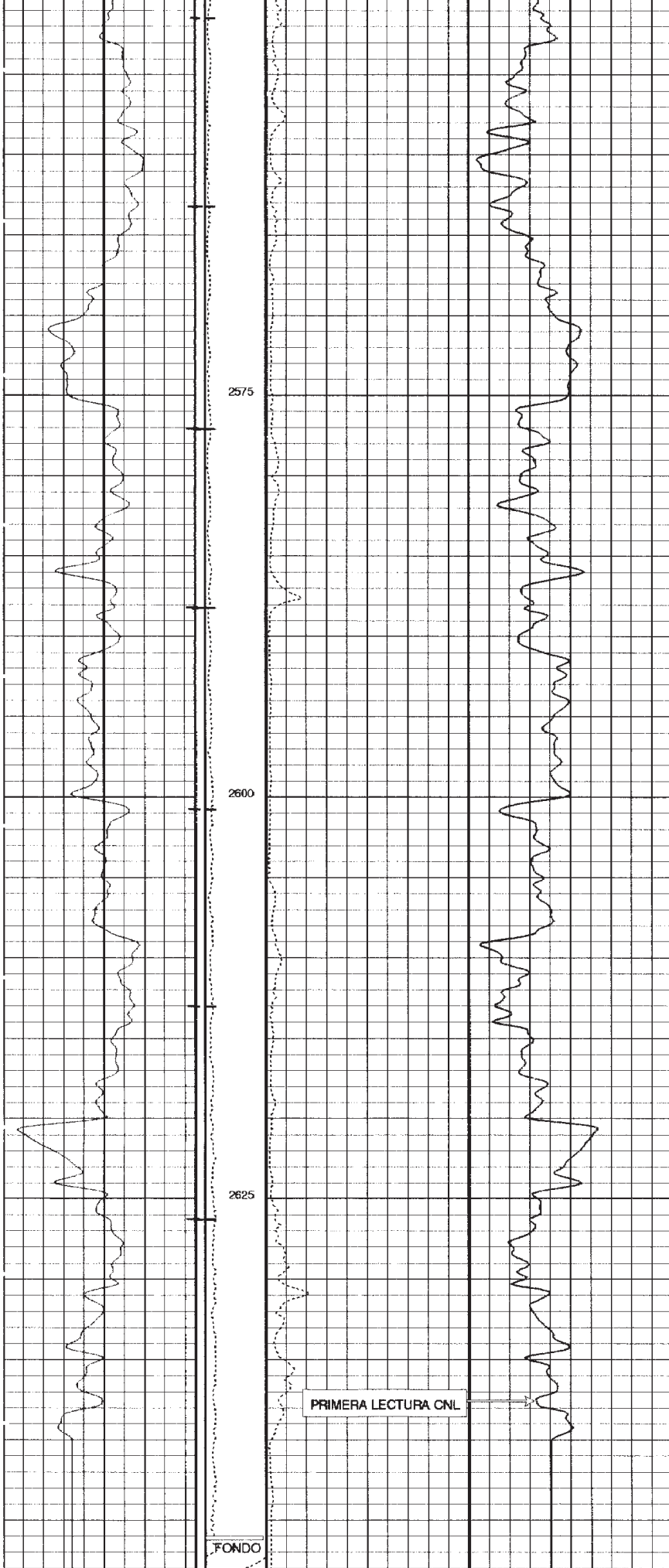












Far Thermal Counts (CFTC) 2000 (CPS) 0
Tension (TENS) (LBF) 0 1000
CBL Amplitude (CBL) (MV) 0 80

19 (—) 1
 CasCollar
 From CCL to T1

(V/V)

PIP SUMMARY

← Casing Collars

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
BHFL	Borehole Fluid Type	WATER
BHS	Bore Hole Status	CASED
BS	Bit Size	8.500 IN
BSAL	Borehole Salinity	-50000.00 PPM
BSCO	Borehole Salinity Correction Option	NO
CCCO	Casing & Cement Thickness Correction Option	NO
CCLD	CCL reset delay	12 IN
CCLT	CCL detection level	0.3 V
CWEI	Casing Weight	15.50 LB/F
DFD	Drilling Fluid Density	1.00 G/C3
DO	Depth Offset	-2.4 M
FSAL	Formation Salinity	-50000 PPM
FSCO	Formation Salinity Correction Option	NO
GCSE	Generalized Caliper Selection	BS
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.018227 DC/M
HSCO	Hole Size Correction Option	YES
MATR	Rock Matrix Type	SANDSTONE
MCCO	Mud Cake Correction Option	NO
MCCR	Mud Correction	NATU
MST	Mud Sample Temperature	16.10 DEGC
MWCO	Mud Weight Correction Option	NO
PP	Playback Processing	OFF
PTCO	Pressure/Temperature Correction Option	NO
RWFS	Resistivity of Mud Filtrate Sample	-50000.0000 OHMM
SDAT	Standoff Data Source	SOCN
SOCN	Standoff Distance	0.5 IN
SOCO	Standoff Correction Option	NO
TDL	Total Depth - Logger	2248.00 M

Format: TNPH-CFTC Vertical Scale: 1:200 Graphics File Created: 21-Sep-1996 03:08

OP System Version: 8B0-538

MCM

SDT-C	8B0-538	CNT-H	8B0-538
TCC-B	8B0-538	CAL-Y	8B0-538

Input DLIS Files

DEFAULT	SDTC .008	FN:8	FIELD	20-Sep-1996 17:40	2650.5 M	1435.6 M
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Output DLIS Files

DEFAULT	SDTC .023	FN:16	FIELD	21-Sep-1996 03:08		
TNPH	SDTC .023	FN:17	FIELD	21-Sep-1996 03:08		

MAXIS EXPRESS



TRAMO REPETIDO

Input DLIS Files

DEFAULT SDTC .007 FN:7 FIELD 20-Sep-1996 17:24 2651.9 M 2545.6 M

Output DLIS Files

OP System Version: 8B0-538

MCM

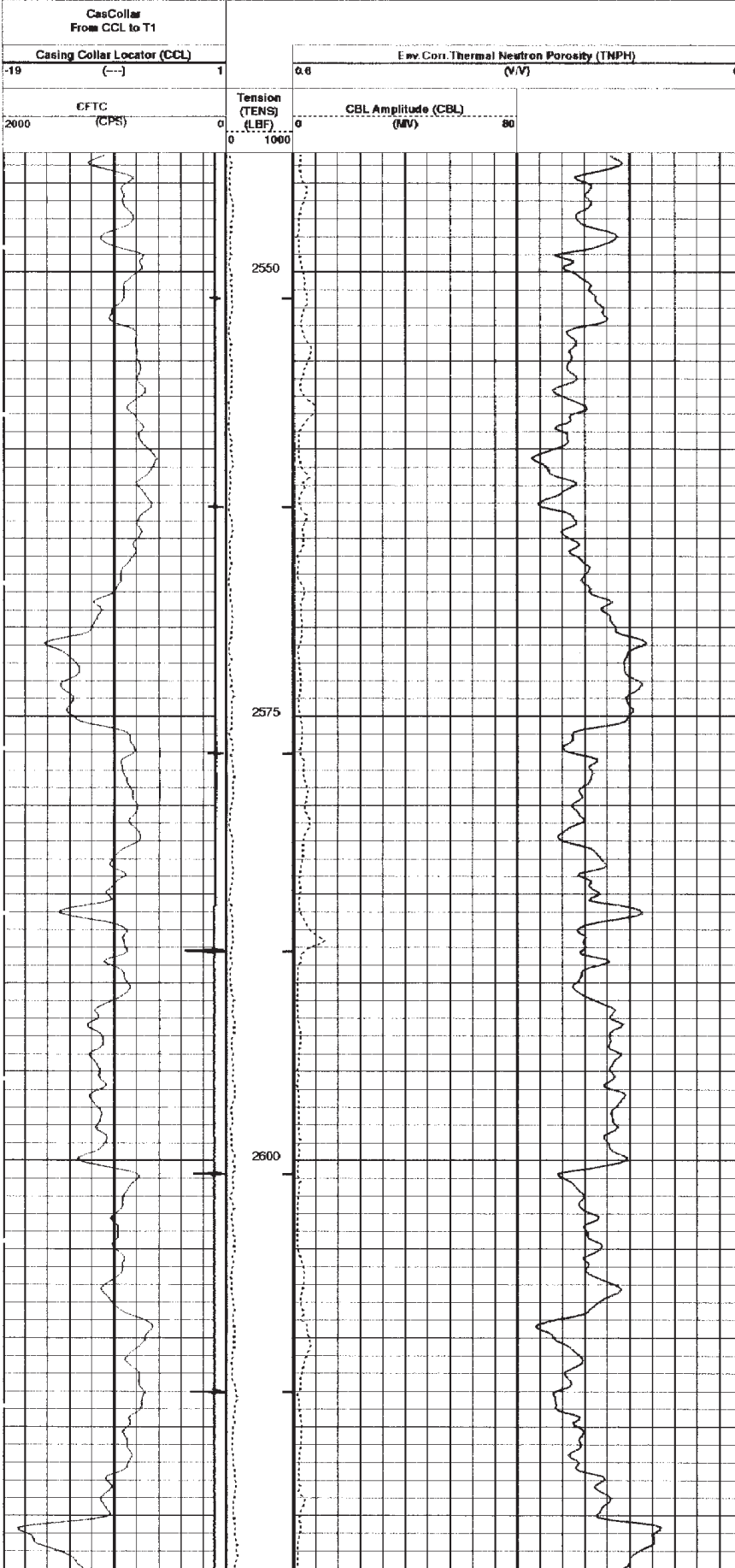
SDT-C 8B0-538
TCC-B 8B0-538

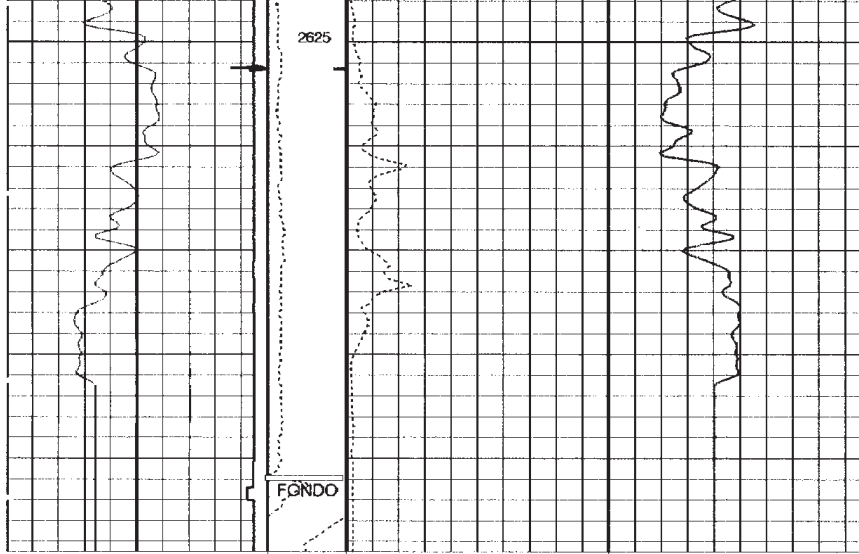
CNT-H 8B0-538
CAL-Y 8B0-538

PIP SUMMARY

→ Casing Collars

Time Mark Every 60 S





CFTC (CPS)	Tension (TENS) (LBF)	CBL Amplitude (CBL) (MV)	Env. Corr. Thermal Neutron Positivity (TNPH) (V/V)
2000	0	80	0
0	0	0	0
1000			

Casing Collar Locator (CCL) (---)	Env. Corr. Thermal Neutron Positivity (TNPH) (V/V)
-19	0
1	

CasCollar
From CCL to T1

PIP SUMMARY

→ Casing Collars

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
BHFL	Borehole Fluid Type	WATER	
BHS	Bore Hole Status	CASED	
BS	Bit Size	8.500	IN
BSAL	Borehole Salinity	-50000.00	PPM
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
CCLD	CCL reset delay	12	IN
CCLT	CCL detection level	0.3	V
CWEI	Casing Weight	15.50	LB/F
DFD	Drilling Fluid Density	1.00	G/CC
DO	Depth Offset	-2.5	M
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
HSCO	Hole Size Correction Option	YES	
MATR	Rock Matrix Type	SANDSTONE	
MCCO	Mud Cake Correction Option	NO	
MCCR	Mud Correction	NATU	
MST	Mud Sample Temperature	16.10	DEGC
MWCO	Mud Weight Correction Option	NO	
PP	Playback Processing	OFF	
PTCO	Pressure/Temperature Correction Option	NO	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
SDAT	Standoff Data Source	SOCN	
SOCN	Standoff Distance	0.5	IN
SOCO	Standoff Correction Option	NO	
TDL	Total Depth - Logger	2249.00	M

Format: TNPH-CFTC Vertical Scale: 1:200

Graphics File Created: 21-Sep-1998 02:56

OP System Version: 8B0-538

MCM

SDT-C	8B0-538	CNT-H	8B0-538
TCC-B	8B0-538	CAL-Y	8B0-538

Input DLIS Files

DEFAULT SDTC .007 FN:7 FIELD 20-Sep-1996 17:24 2651.9 M 2545.6 M

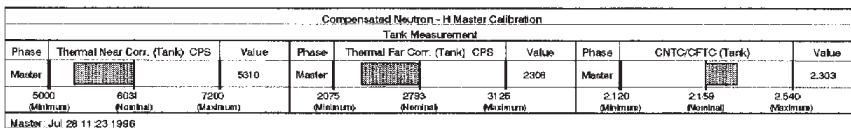
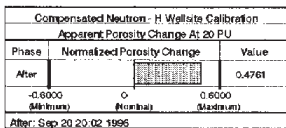
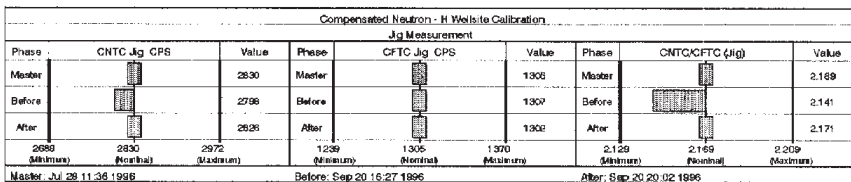
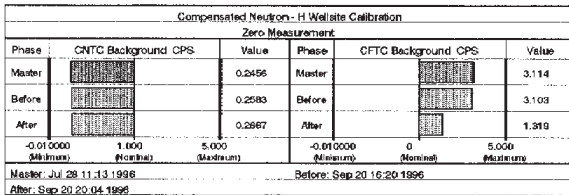
Output DLIS Files

Calibration and Check Summary							
Measurement	Nominal	Master	Before	After	Change	Limit	Units
Compensated Neutron - H Wellsite Calibration - Zero Measurement							
Master: Jul 28 11:13 1996 Before: Sep 20 16:20 1996 After: Sep 20 20:04 1996							
CNTC Background	1.000	0.2456	0.2583	0.2667	0.008344	N/A	CPS
CFTC Background	0	3.114	3.103	3.119	-1.783	N/A	CPS
Compensated Neutron - H Wellsite Calibration - Jig Measurement							
Master: Jul 28 11:36 1996 Before: Sep 20 16:27 1996 After: Sep 20 20:02 1996							
CNTC Jig	2830	2830	2795	2826	27.38	N/A	CPS
CFTC Jig	1305	1305	1307	1302	-5.442	N/A	CPS
CNTC/CFTC (Jig)	2.169	2.169	2.141	2.171	0.02988	N/A	
Compensated Neutron - H Wellsite Calibration - Apparent Porosity Change At 20 PU							
After: Sep 20 20:02 1996							
Normalized Porosity Change	0	N/A	N/A	0.4761	N/A	N/A	
Compensated Neutron - H Master Calibration - Tank Measurement							
Master: Jul 28 11:23 1996							
Thermal Near Corr. (Tank)	6031	5310	--	--	--	--	CPS
Thermal Far Corr. (Tank)	2793	2306	--	--	--	--	CPS
CNTC/CFTC (Tank)	2.159	2.303	--	--	--	--	

The CNT Master Calibration Was Done With The Following Parameters :

NCT-B Water Temperature 8.5 DEGC.
Thermal Housing Size 3.872 IN.

Compensated Neutron - H / Equipment Identification			
Primary Equipment:			
Compensated Neutron Cartridge	CNC - HA	2530	
Neutron Logging Source	NLS - KL	262	
Neutron Source Radioactive	NSR - F	262	white
Compensated Neutron Box	CNB - AB	1468	
Neutron Detector without Alpha Source	CND - NA		
Compensated Neutron Box	CNB - AB	1468	
Auxiliary Equipment:			
Compensated Neutron Housing	CNH - A	2530	
Neutron Calibration Tank	NCT - B		



COMPANIA:	ASTRA CAPSA	PRIMERA LECTURA	2637.5 M
POZO:	APC-406	PROFUNDIDAD PERFIL	2646 M
CAMPO:	MB-PAMPA DEL CASTILLO	PROF. PERFORADOR	2663 M
PROVINCIA:	CHUBUT	BUJE DE VASTAGO	
PAIS:	ARGENTINA	MESA ROTATIVA	
		NIVEL TERRENO	681.6 M
		NEUTRON COMPENSADO CNT-CCL Escala: 1/200	

Schlumberger

SONICO COMPENSADO (BHC-CALI) 1200

PROVINCIA: CHUBUT YACIMIENTO: MB - PAMPA DEL CASTILLO LOCALIDAD: CUMORIGUO RIVADAVIA POZO: APC-406 COMPANIA: ASTRA C.A.P.S.A.	COORDENADAS: X: 4.939.189,22 Y: 2.577.725,84 N.TERRENO: 16-SEP-1986 Elev. 80,6 M sobre nivel del mar: 0,0 M Elev. K.B.: 886,2 M M.R.: 886,2 M N.T.: 881,8 M
PROYECTO: N.TERRENO N.TERRENO: N.TERRENO Elev. 80,6 M sobre nivel del mar: 0,0 M	OTRAS SERVICIOS: DIS. BHC-CALI STL RPT

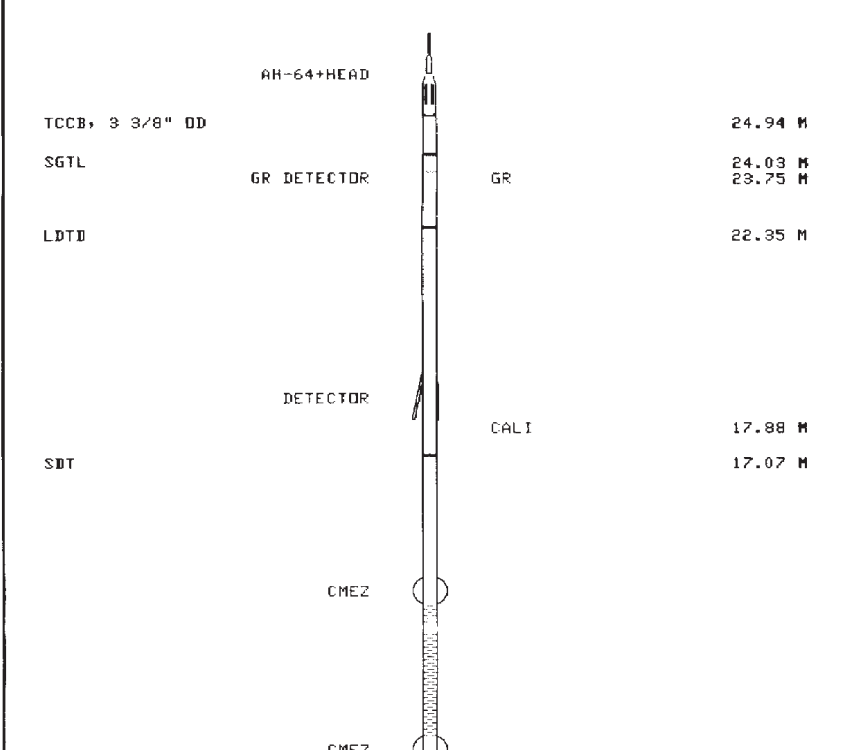
NOTA: AQUÍ El nombre del pozo, posición y datos referentes al mismo fueron previstos por el cliente.

Toda interpretación o una opinión basada en inferencias de medidas eléctricas u otras medidas y no podemos garantizar, ni garantizar, la exactitud o validez de ninguna interpretación y/o conclusión, excepto en el caso de un chequeo de nuestra parte, la responsabilidad de alguna pérdida, costo, daño o gesto incurrido o sufrido por parte alguna es responsabilidad de quien nos presta el servicio y no de nuestros funcionarios, agentes o empleados. Esta interpretación también está sujeta a lo estipulado en los términos y condiciones generales según consta en nuestra lista de precios vigente.

Carretera No.	1
Orden De Servicio No.	
Nivel Del Fluido De Perforación	0,0 M
Salinidad	
Ranf @ BHT	1299 OHMM @ 104 DEGC @
Ranf @ BHT	.787 OHMM @ 104 DEGC @
Velocidad De Registro	1800,0 F/HR
EQUIPOS UTILIZADOS	
Herramienta Numero 1	DIS-HC 220
Herramienta Numero 2	DIC-EB 219
Herramienta Numero 3	DRS-C 795
Herramienta Numero 4	NSC-F 2775
Herramienta Numero 5	SLC-MA 206
Herramienta Numero 6	SLS-WA 1685
Herramienta Numero 7	ECH-KN 453
Herramienta Numero 8	SGH-K 2009
Herramienta Numero 9	TCC-B 530
Herramienta Numero 10	SLM-DA 1625
Herramienta Numero 11	
Herramienta Numero 12	

OBSERVACIONES
 INDUCCION CON UN STANDOFF DE 15"
 SONICO CORRIDO EN SEGUNDA CARRERA, PERFILES EMPALMADAS.
 SONICO CENTRALIZADO CON CMEZ.

LOGGING TOOL STRING SKETCH



DATE: 3 5/8" OD

9.55 M

STAND OFF

SP

3.15 M

FONDO

TOOL ZERO

TOTAL TOOL STRING LENGTH IS 27.05 M.
TOTAL TOOL STRING WEIGHT IS 564.3 KG IN AIR.

TRAMO PRINCIPAL

ACCUMULATED INTEGRATION VALUES SUMMARY:

Integrated Hole Volume:	50.5947 M3	FROM 2676.00 M	TO 1383.18 M
Integrated Cement Volume:	30.7794 M3	FROM 2676.00 M	TO 1383.18 M
(ASSUMING 5.50000 IN O.D. CASING)			
Integrated Transit Time:	.398772 S	FROM 2676.00 M	TO 1383.18 M

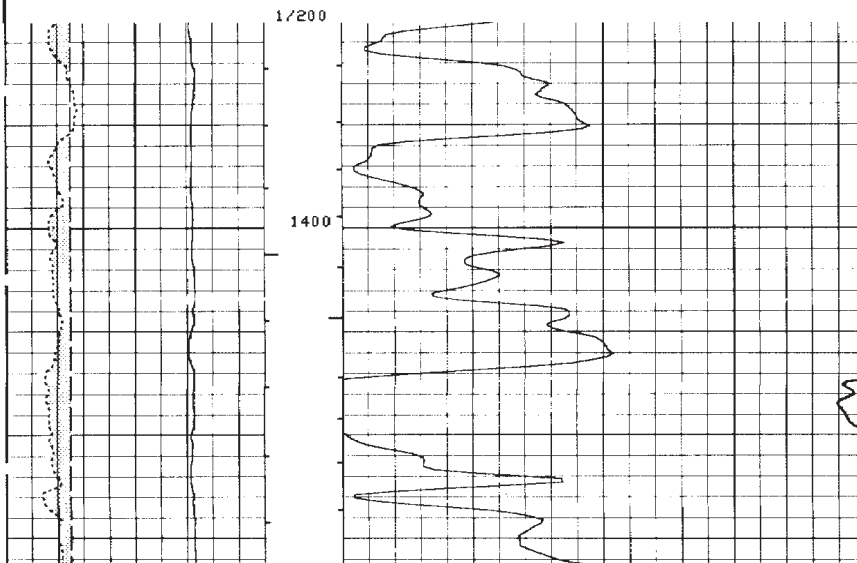
EVENT MARK SUMMARY:

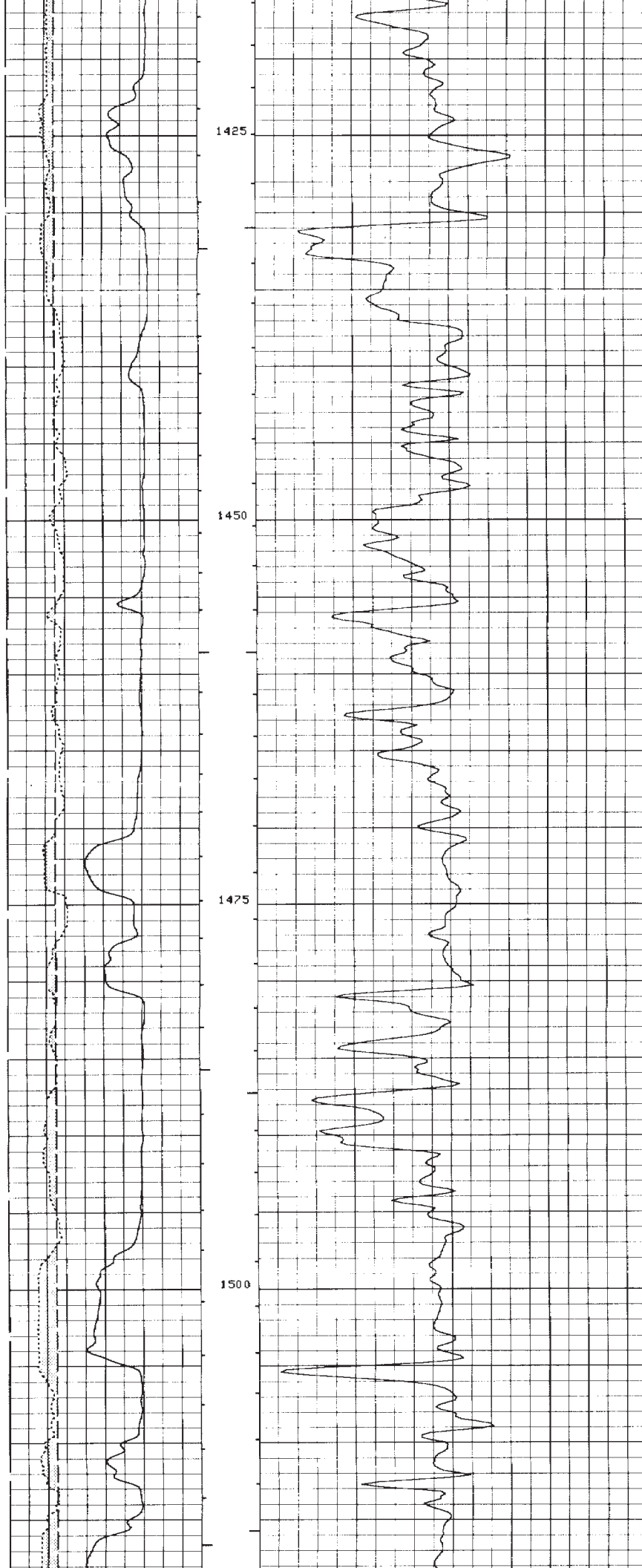
OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
Integrated Hole Volume	.100000 M3	LEFT EDGE
Integrated Transit Time	.00100000 S	RIGHT EDGE

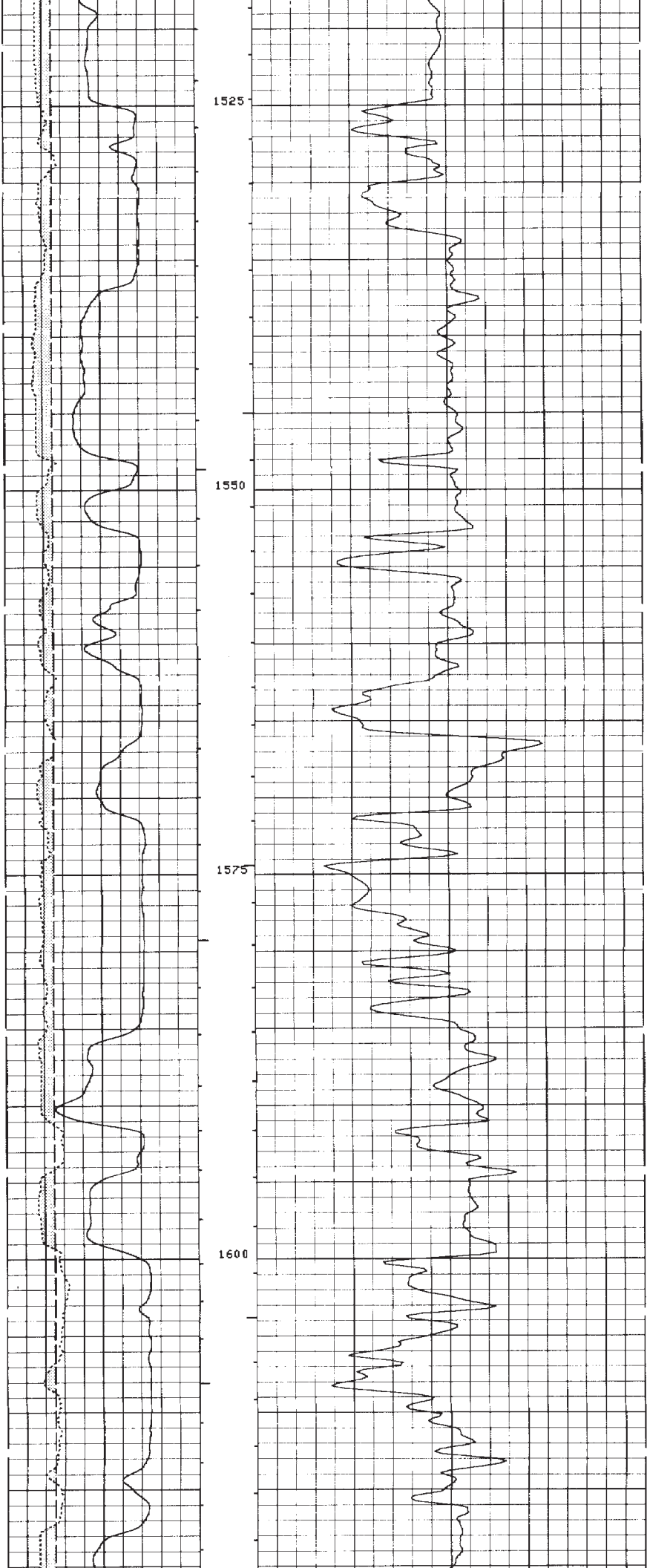
SPMV)			
80.00	20.000		
BSIN)			
8.0000	18.000		
CALON)		DT(US/F)	
8.0000	18.000	50.00	60.000
HS			
MC			

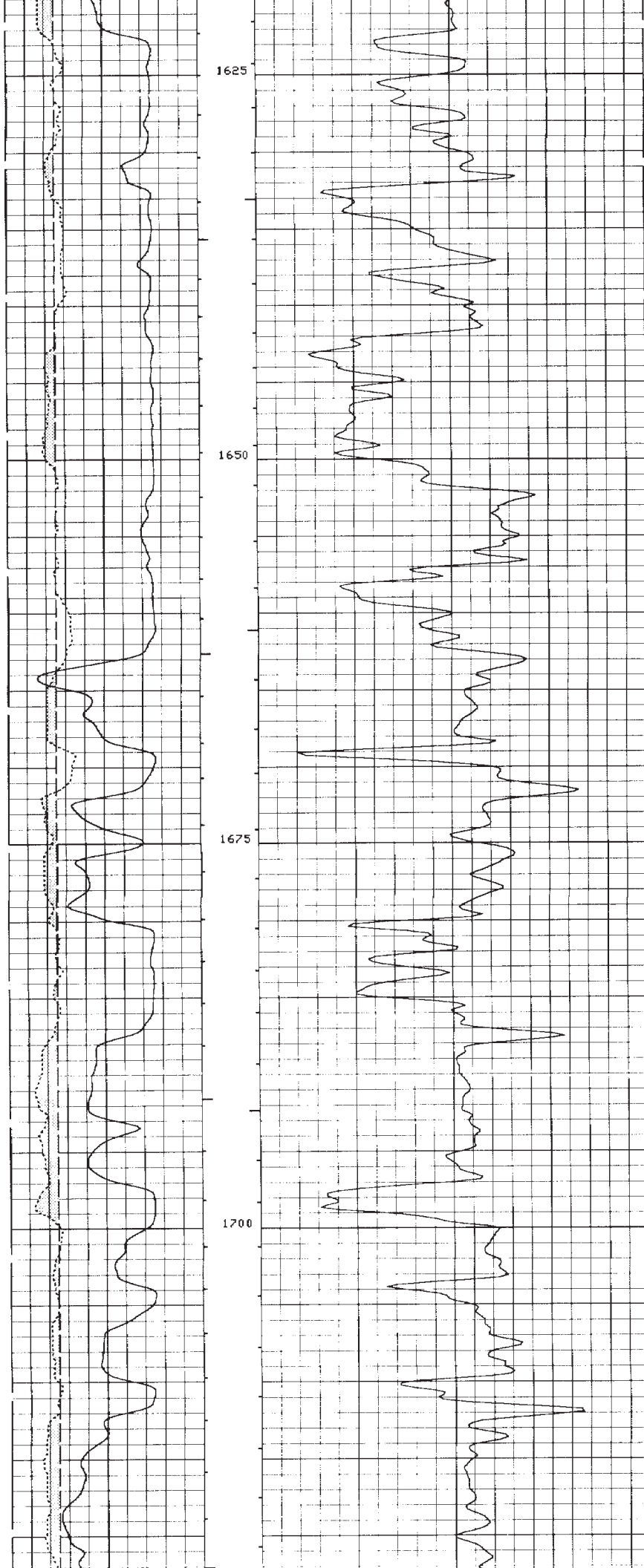
CP 42.2 FILE 25 16-SEP-1996 14:49

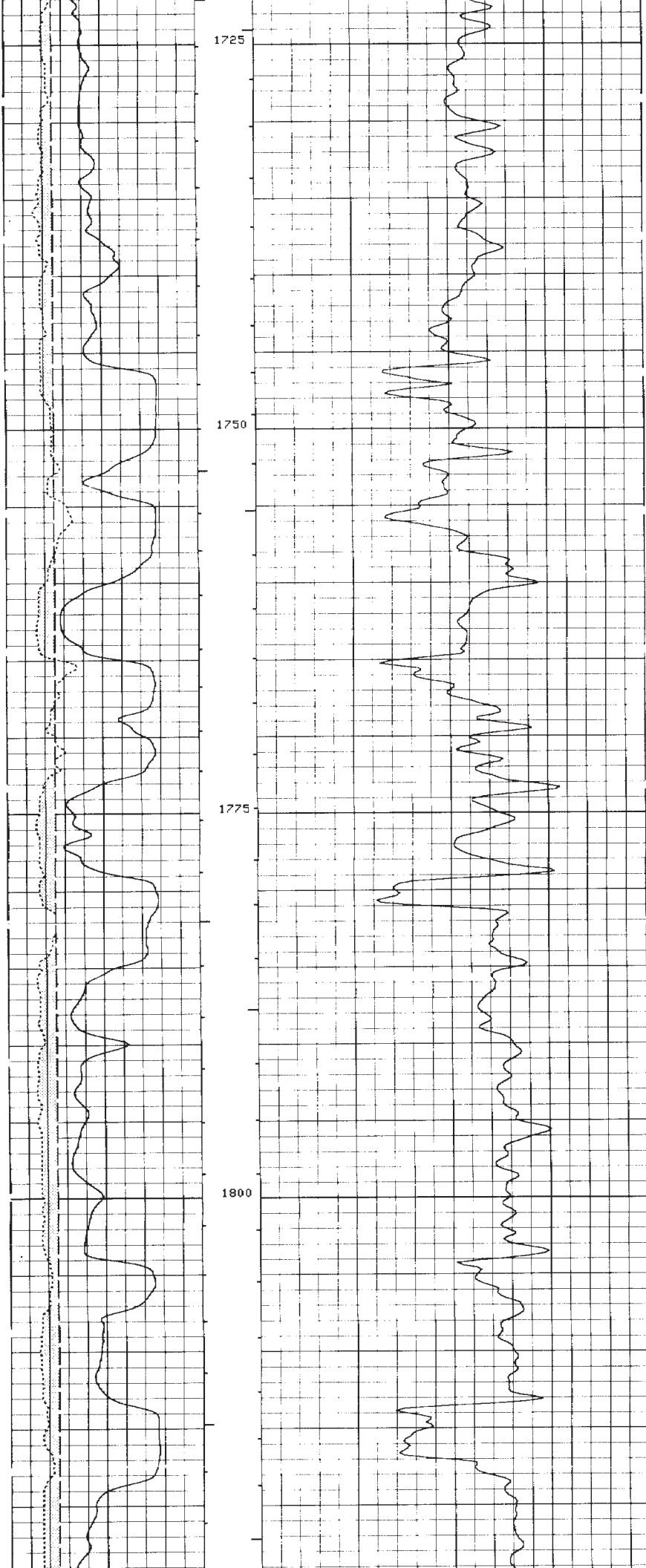
INPUT FILE(S)	CREATION DATE
18	15-SEP-1996 05:34
7	16-SEP-1996 11:01

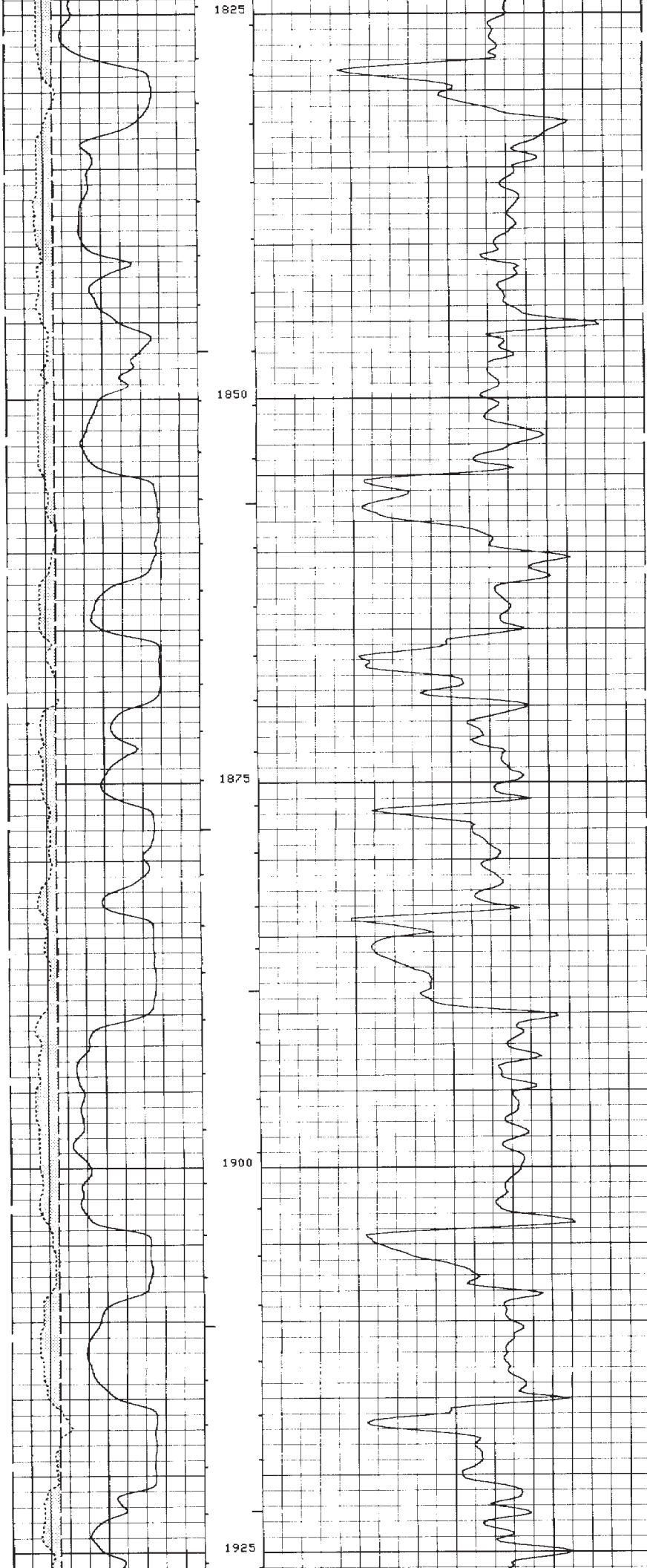


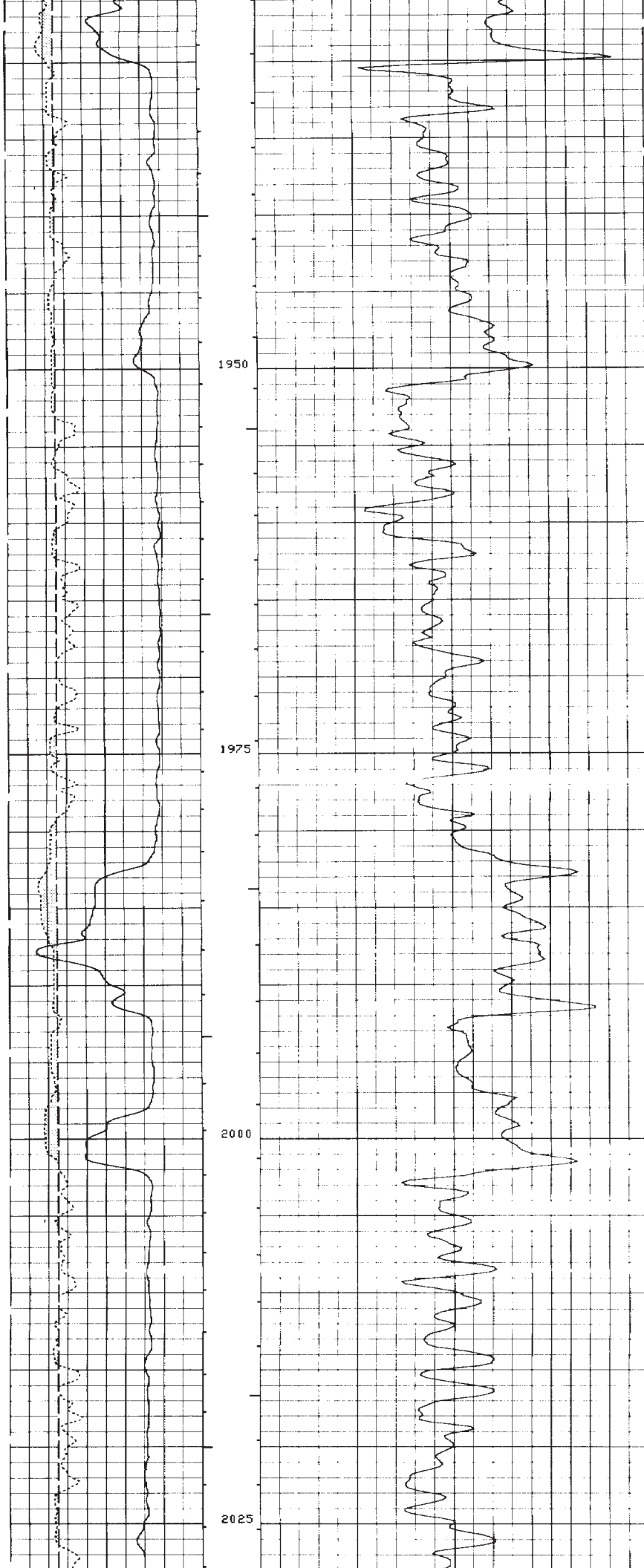


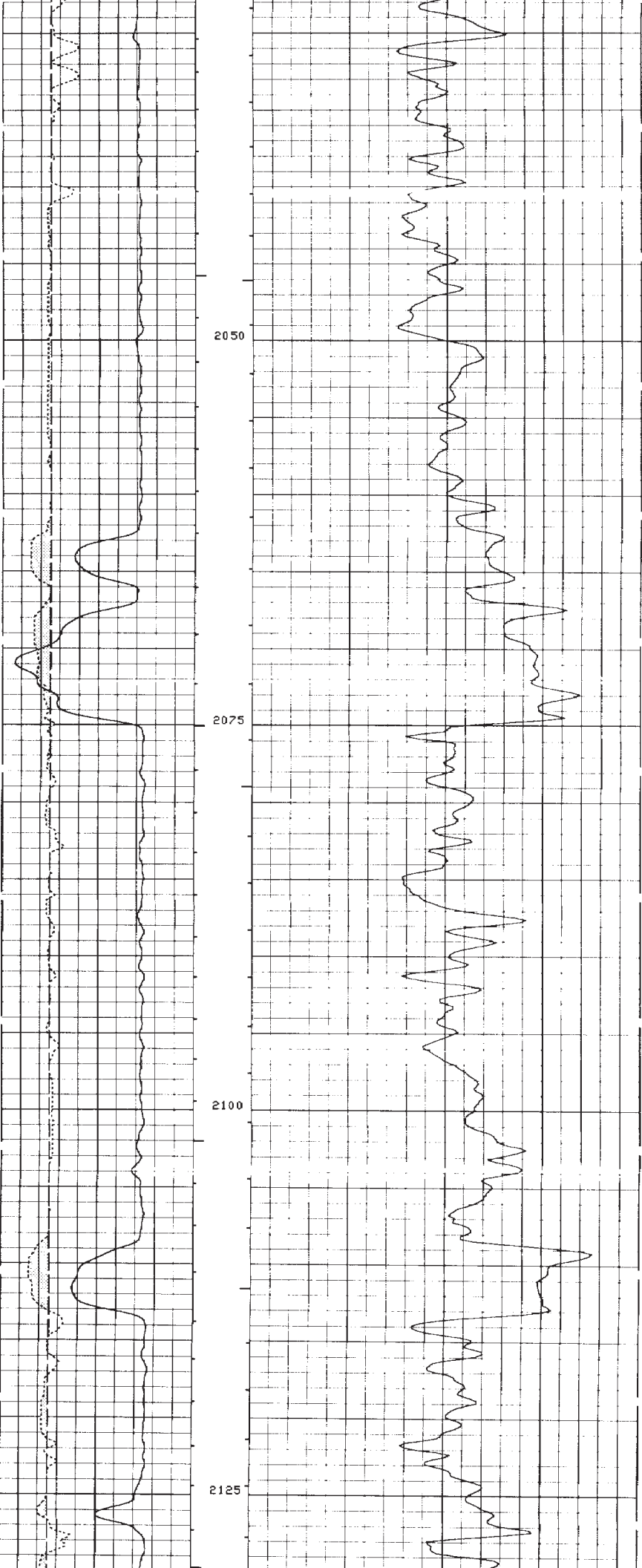


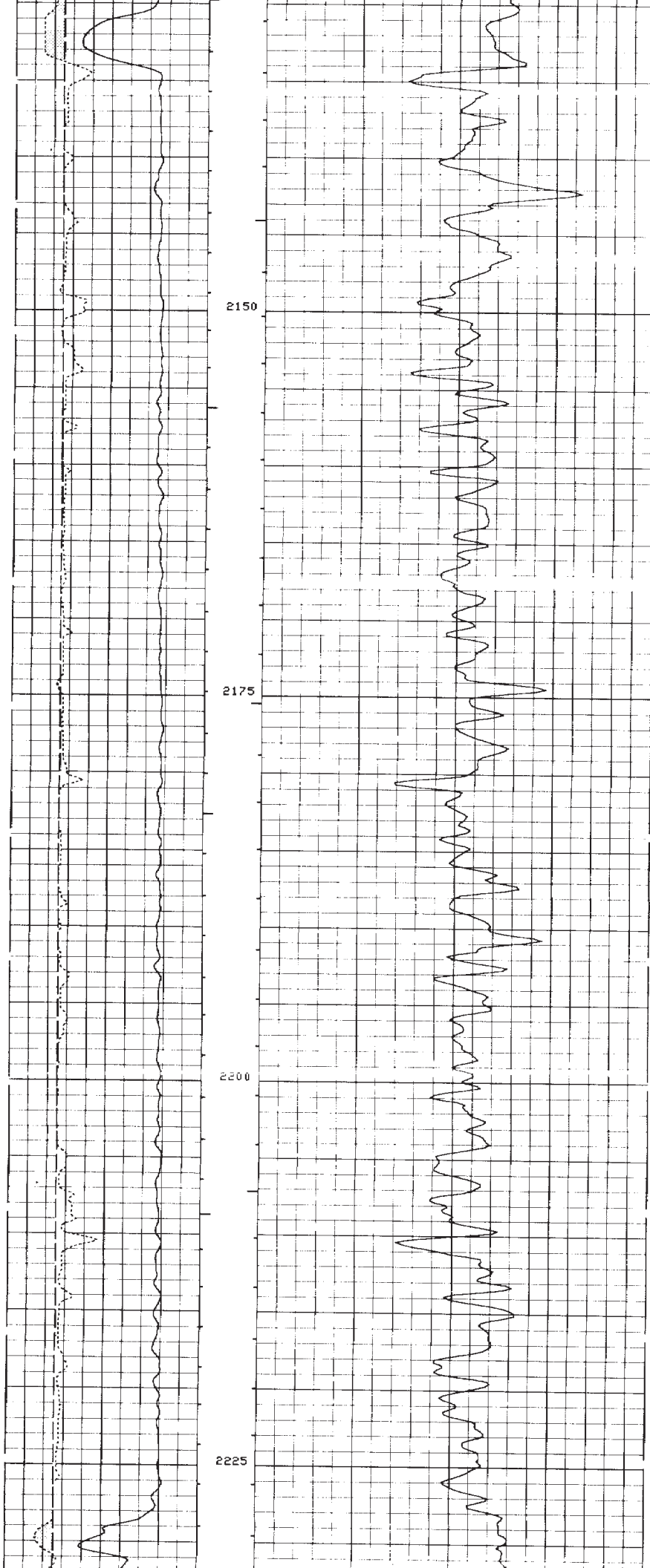


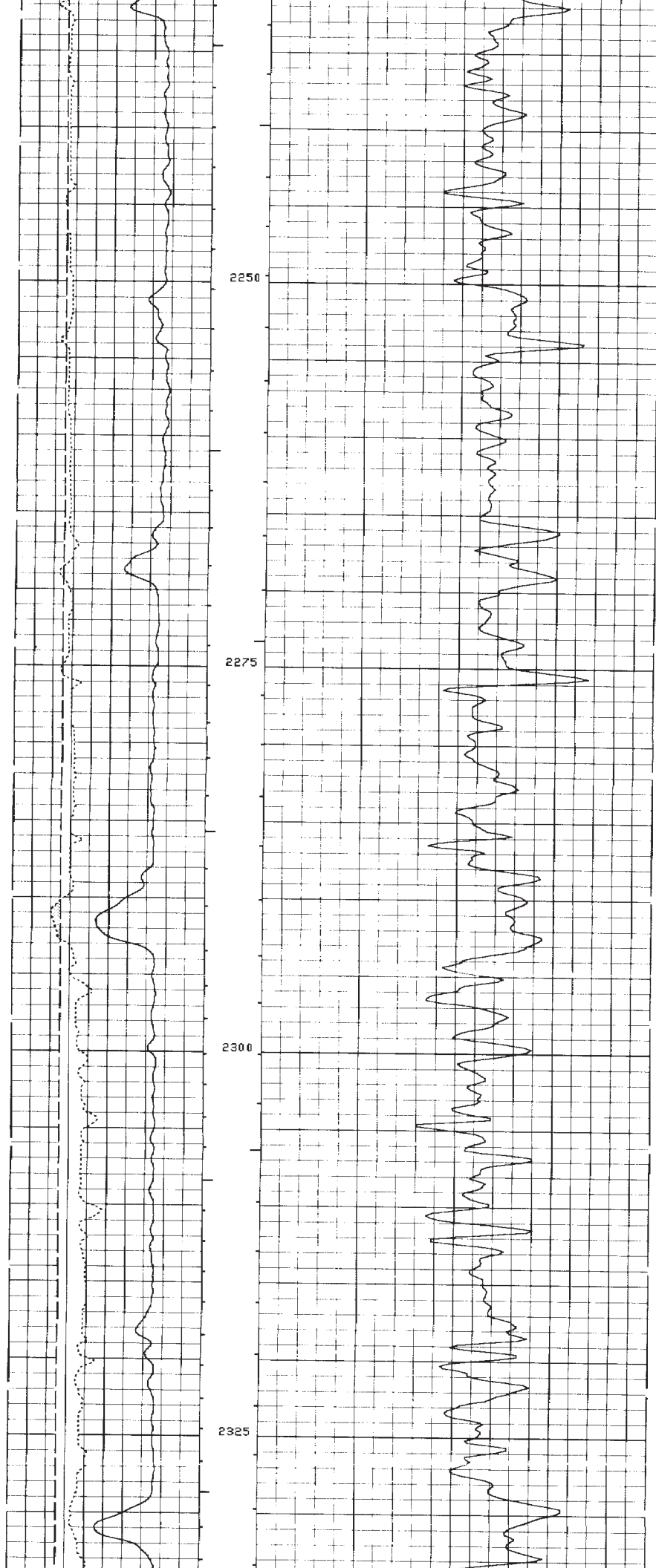


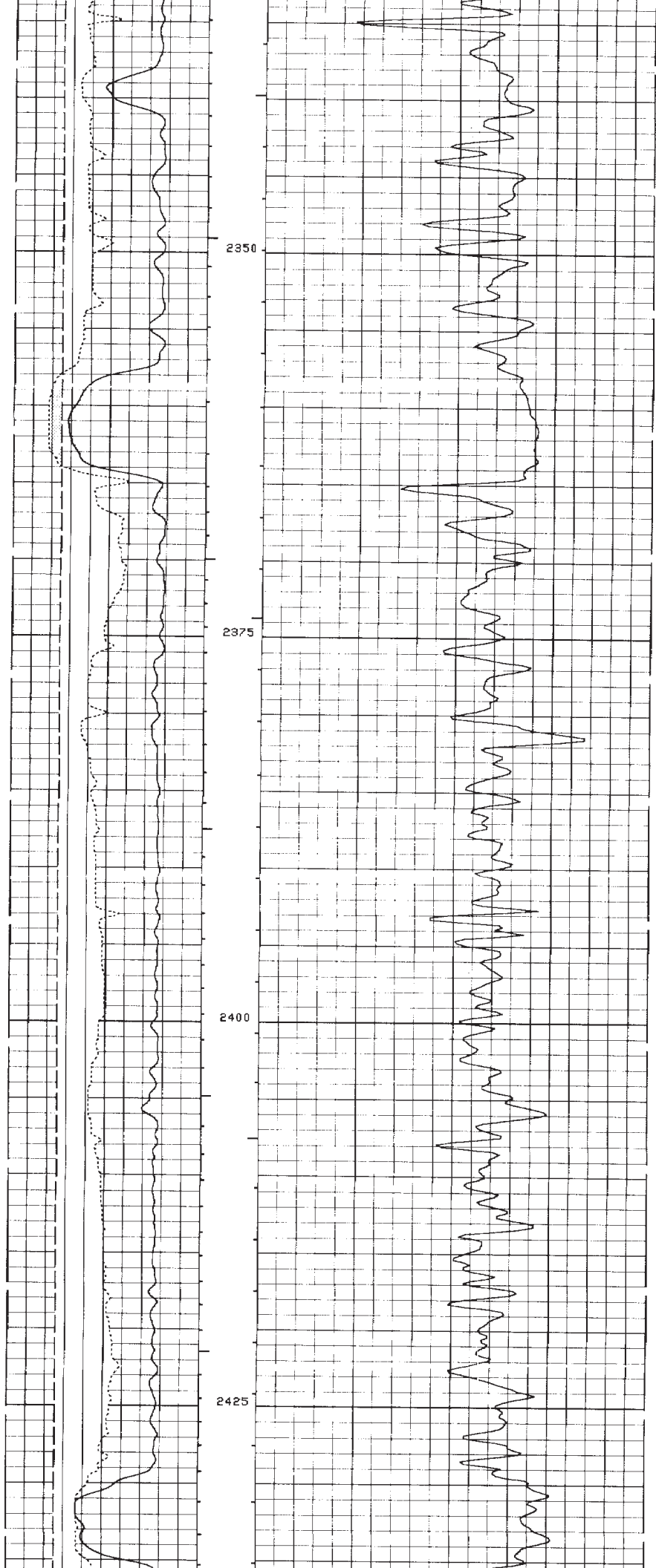


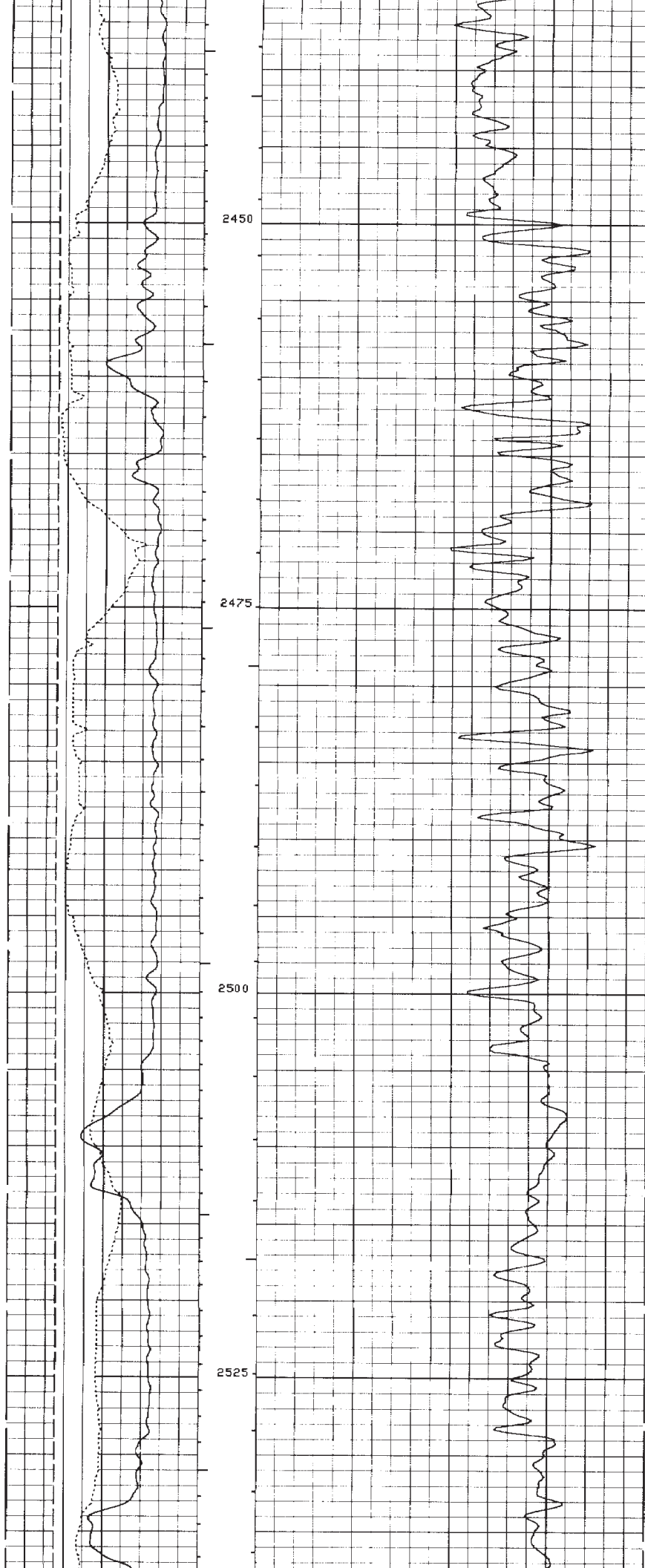


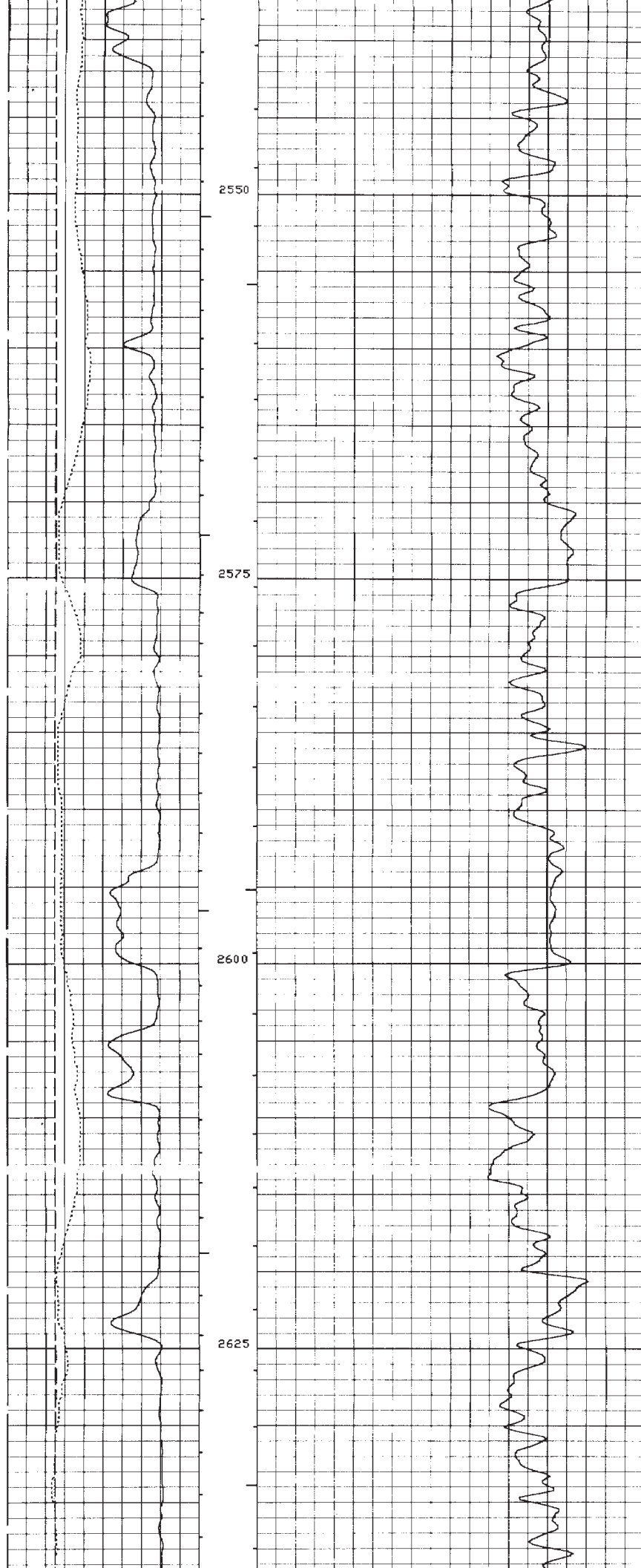


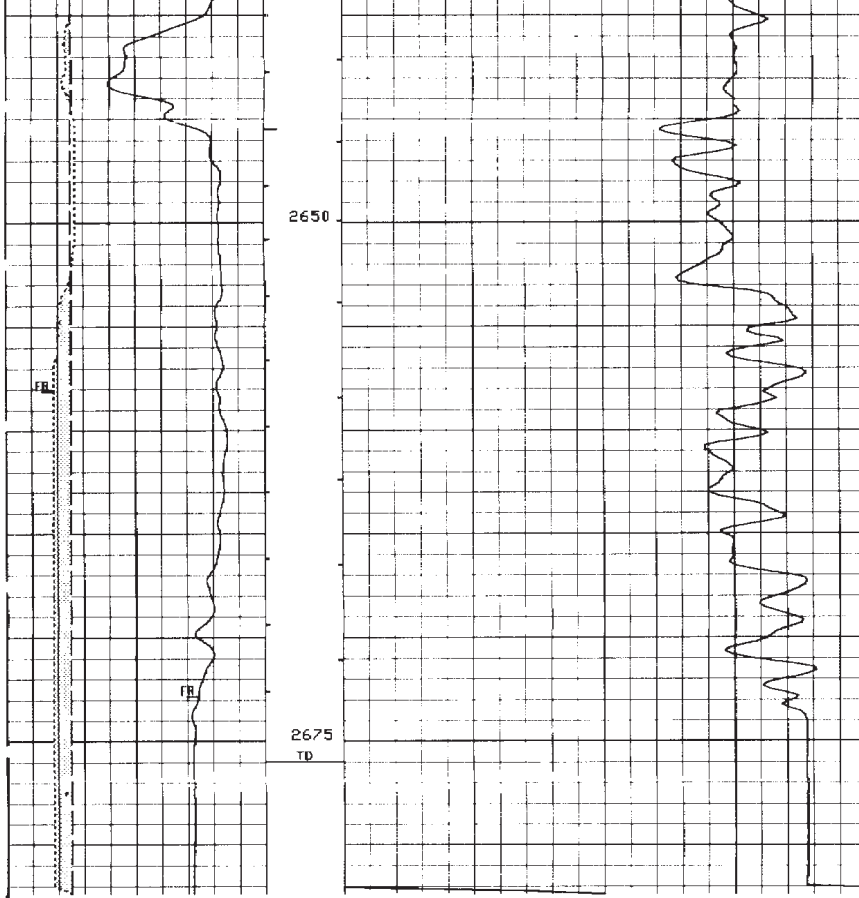












CP 42.2

FILE 25 16-SEP-1996 14:10

INPUT FILE(S) 18
7
CREATION DATE 15-SEP-1996 05:34
16-SEP-1996 11:01

HS		
MC		
SPMV)		
80.00	20.000	
BSM)		
6.0000	16.000	
CALUM I		DTUS/F)
6.0000	16.000	160.00 50.000

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
SMB	DISA		VDLR	2IN	
PP	NORM		DD	0.0	M
DD2	0.0	M	WNUD	1.14000	G/C3
TD	2676.00	M	FCD	5.50000	IN
DHC	BS		RFM	LIQU	
MDEN	2.65000	G/C3	FD	1.00000	G/C3
DPPM	STAN		FNUM	.620000	
FEXP	2.15000		FPHI	SPHI	
IFRS	20	KHZ	SBR	1.00000	DMM
MXE2	38.3114	MM/M	DXE2	113.420	MM/M
MRE2	23.4445	MM/M	DRE2	13.1174	MM/M
MPH2	-1.00776	DEG	DPH2	-.014636	DEG
MGF2	.992973		DGF2	.986448	
DESP	DISA		SFLE	ALLO	
DCAS	430.700	M	ITEN	ALLO	
DEVI	0.0	DEG	DSES	H49	
IPOD	STAN		IPHA	NORM	
TOCA	ALLO		MODE	BHC	
DETE	E2		MGAI	4000.00	
AGC	ALLO		SLEV	5000.00	MV
GAI	40.0000		SFAF	0.0	BB/F
SGAD	ALLO		SGW	80	US
NMSG	180	US	SGDT	50	US/F
DTCM	NORM		SLC	C	
SLS	NA		SPLI	0	IN
RATE	15	HZ	SDAD	AUTO	
DBEL	0	US	DSIN	10	US
DUCD	500		RMDD	B	
WMDD	BHC		WAGC	ALLO	
WGDT	240.000	US/F	WGAI	20.0000	
ITTS	DT		SFSD	DT	
SPFS	R-H		DTM	56.0000	US/F
SVS	DT		NCJT	GSRV	
GTSE	TEMP		SHT	25.0000	DEGC
BHT	95.0000	DEGC	SPAE	ALLO	
BS	8.50000	IN	BHS	OPEN	

ACCUMULATED INTEGRATION VALUES SUMMARY:

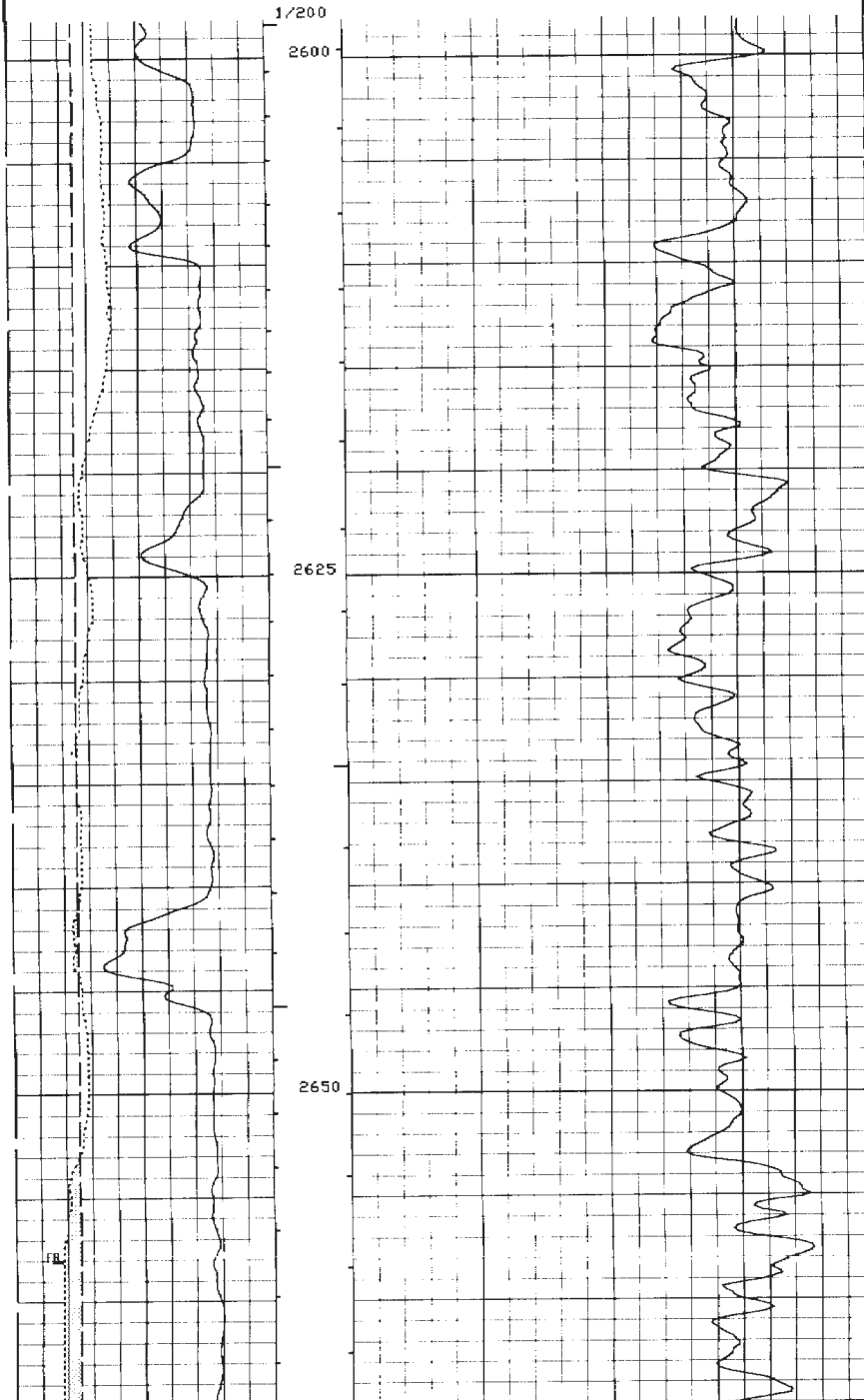
Integrated Hole Volume: 3.01603 M3 FROM 2676.00 M TO 2598.11 M
 Integrated Cement Volume: 1.82235 M3 FROM 2676.00 M TO 2598.11 M
 (ASSUMING 5.50000 IN O.D. CASING)
 Integrated Transit Time: .0193797 S FROM 2676.00 M TO 2598.11 M

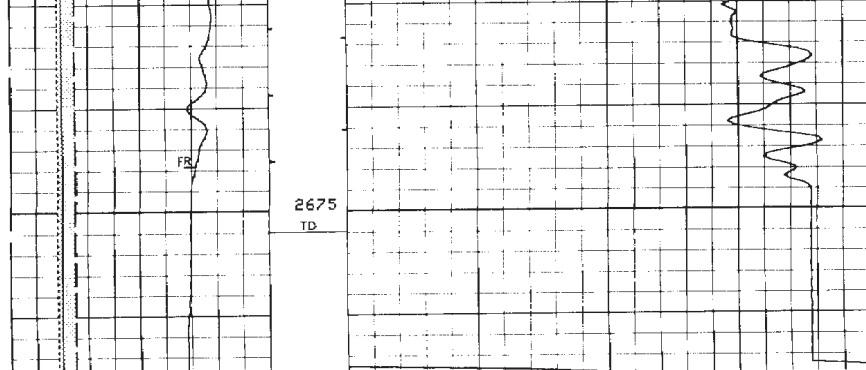
EVENT MARK SUMMARY:

OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
Integrated Hole Volume	.100000 M3	LEFT EDGE
Integrated Transit Time	.00100000 S	RIGHT EDGE

SPIMV ()		DT(US/F)	
80.00	20.000		
BSUN ()			
8.0000	16.000		
CALIIN ()			
8.0000	16.000	160.00	60.000
HS			
MC			

CP 42.2 FILE 28 16-SEP-1996 15:12
 INPUT FILE(S) CREATION DATE
 10 15-SEP-1996 03:13
 5 16-SEP-1996 10:28





CP 42.2 FILE 28 16-SEP-1996 15:10
 INPUT FILE(S) CREATION DATE
 10 15-SEP-1996 03:13
 5 16-SEP-1996 10:28

HS			
MC			
SP(MV)		DT(US/F)	
80.00	20.000		
BS(IN)			
8.0000	18.000		
CAL(MN)		150.00	50.000
8.0000	18.000		

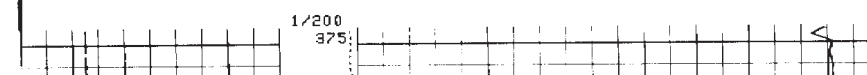
PARAMETERS

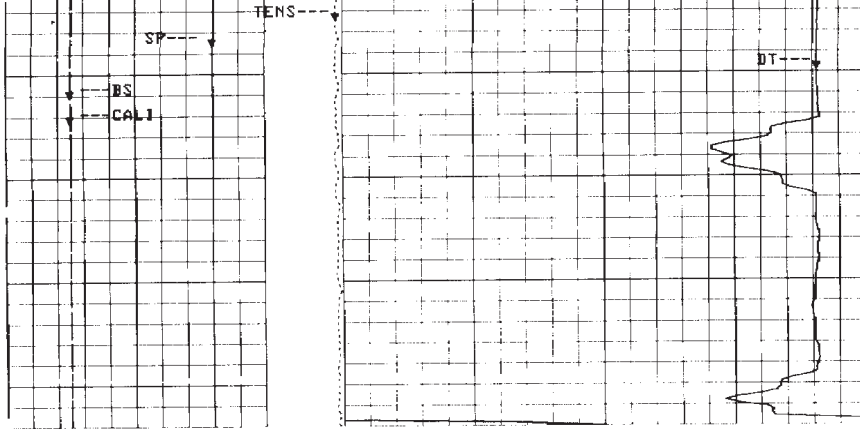
NAME	VALUE	UNIT	NAME	VALUE	UNIT
SMB	DISA		VDLR	2IN	
PP	NORM		ID	0.0	M
DD2	-1.500000	M	WMUD	1.14000	G/C3
TD	2676.00	M	FCD	5.50000	IN
DHC	BS		BFM	LIQU	
MDEN	2.65000	G/C3	FD	1.00000	G/C3
DPPM	STAN		FNUM	.620000	
FEXP	2.15000		FPHI	SPHI	
IFRS	20	KHZ	SBR	1.00000	DHMM
MXE2	38.3114	MM/M	DXE2	118.420	MM/M
MRE2	23.4445	MM/M	DRE2	13.1174	MM/M
MPH2	-1.00776	DEG	DPH2	-0.014636	DEG
MGF2	.992973		DGF2	.986448	
DESP	DISA		SFLE	ALLO	
DCAS	430.700	M	ITEN	ALLO	
DEV1	0.0	DEG	DSES	H48	
IPRO	STAN		IPHA	NORM	
TOCA	ALLO		MODE	BHC	
DETE	E2		MGAT	4000.00	
AGC	ALLO		SLEV	5000.00	MV
GAI	40.0000		SFAF	0.0	DB/F
SGAD	ALLO		SGW	80	US
NMSG	180	US	SGDT	50	US/F
DTCM	NORM		SLC	C	
SLS	WA		SPLE	0	IN
RATE	15	HZ	SOAD	AUTO	
DDEL	0	US	DSIN	10	US
DWCO	500		RMDD	B	
WMDD	BHC		WAGC	ALLO	
MGDT	240.000	US/F	WGAI	20.0000	
ITTS	DT		SPSD	DT	
SPFS	R-H		DTM	56.0000	US/F
SVS	DT		NCJT	GSRV	
GTSE	TEMP		SHT	25.0000	DEGC
BHT	95.0000	DEGC	SPAE	ALLO	
BS	8.50000	IN	BHS	OPEN	

CHEQUEO DE SONICO EN CANERIA

		TENS(B.F.)	
		0.0	1000.0
SP(MV)			
80.00	20.000		
BS(IN)			
8.0000	18.000		
CAL(MN)		DT(US/F)	
8.0000	18.000	150.00	50.000
HS			
MC			

CP 42.2 FILE 1 16-SEP-1996 16:16
 INPUT FILE(S) CREATION DATE
 1 16-SEP-1996 10:20





CP 42.2 FILE 1 16-SEP-1996 16:16
 INPUT FILE(S) CREATION DATE
 1 16-SEP-1996 10:20

HS			
MC			
SP(MV)		TENS(LBF)	
80.00	20.000	100	1000.0
BS(M)			
8.0000	16.000		
CALI(M)		DT(US/F)	
8.0000	16.000	160.00	50.000

SENSOR MEASURE POINT TO TOOL ZERO

GR 23.75 METER	SP 3.15 METER
TT3 10.90 METER	TT4 10.59 METER
TT1 11.73 METER	TT2 12.04 METER
IRM 1.83 METER	IXM 1.83 METER
ITEM 1.98 METER	IXD 2.90 METER
SFB 1.98 METER	SPA 3.35 METER
SFV 1.98 METER	SFC 1.98 METER
LITH 17.86 METER	IRD 2.90 METER
LS 17.86 METER	LL 17.86 METER
PAR1 17.70 METER	LD 17.86 METER
SS2 17.70 METER	SSI 17.70 METER
TENS 1.04 METER	CALI 17.88 METER

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
SMB	DISA		VDLR	21N	
PP	NDRM		DO	0.0	M
WMUD	1.14000	G/C3	TD	2676.00	M
FCD	5.50000	IN	DHC	BS	
BFM	LIQU		MDEN	2.65000	G/C3
FD	1.00000	G/C3	DPPM	STAN	
FNUM	.620000		FEXP	2.15000	
FPHI	SPH1		IFRS	20	KHZ
SBR	1.00000	OHMM	MXE2	98.3114	MM/M
DXE2	113.420	MM/M	MRE2	23.4445	MM/M
DRE2	13.1174	MM/M	MPH2	-1.00776	DEG
DPH2	-.014636	DEG	MGF2	.992973	
DGF2	.986448		DESP	DISA	
SFLE	ALLO		DCAS	430.700	M
ITEN	ALLO		DEVI	0.0	DEG
DSES	H48		IPRD	STAN	
IPHA	NDRM		TOCA	ALLO	
MODE	BHC		DETE	E2	
MGAI	4000.00		AGC	ALLO	
SLEV	5000.00	MV	GAI	40.0000	
SFAF	0.0	DB/F	SGAD	ALLO	
SGH	80	US	NMSG	180	US
SGDT	50	US/F	ITCM	NDRM	
SLC	C		SLS	WA	
SPLE	0	IN	RATE	15	HZ
SOAD	AUTO		DDEL	0	US
DSIN	10	US	DWCO	500	
RMDD	B		WMDD	BHC	
WAGC	ALLO		WGDT	240.000	US/F
WGAI	20.0000		ITTS	BT	
SPSD	BT		SPFS	R-H	
DTM	56.0000	US/F	SVS	DT	
NCJT	GSRV		GTSE	TEMP	
SHT	25.0000	DEGC	BHT	95.0000	DEGC
SPA8	ALLO		BS	8.50000	IN
BHS	OPEN				

CALIBRACIONES

BEFORE SURVEY CALIBRATION Summary

Performed: 15-SEP-1996 02:57

SGTL Detector Calibration Summary

	MEASURED		CALIBRATED		UNITS
GR	BKGD	JIG			GAPI
	66	221	165		

Back: 14-SEP-1996 00:22 Jig: 14-SEP-1996 00:25 Comp: 14-SEP-1996 00:25

DITE Electronics Calibration Summary

Sonde SN#: 220
 Cartridge SN#: 219
 Induction Freq: 20 KHz

Induction Electronics:

	Offset (MM/M)	Valid Range (MM/M)	Gain (--)	Valid Range (--)	Phase (DEG.)	Valid Range (DEG.)
IRD	30.0	-92. => 158.	.938	.86 => 1.21		
IXD	29.9	-95. => 155.	.941	.86 => 1.21	-1.33	-13.39 => 16.61
IRM	58.5	-167. => 283.	.980	.84 => 1.18		
IXM	44.0	-177. => 273.	.979	.84 => 1.19	5.22	-12.44 => 17.56

SFL Electronics:

	Offset	Valid Range	Units	Gain	Valid Range
SFV	1.1	-14.1 => 15.9	MV	1.03	.87 => 1.22
SFC	.1	-.5 => .7	MA	1.06	.88 => 1.25

Plus Measurement performed at: 15-SEP-1996 02:56

Shop cals used were performed: 14-SEP-1996 14:04

LDTD Detector Calibration Summary

Density Resistivity Sonde Number : 1
 Nuclear Services Cartridge Number : 1
 Powered Detector Housing Number : 1
 Powered Gamma-Gamma Detector Number : 1
 LDT Logging Source Number : 1
 LDT Calibration Mode : WATE

	Measured Bkgd	Shop Values Al+Fe	Al	Units
LL	0.0	0.0	0.0	CPS
LU	0.0	0.0	0.0	CPS
LS	0.0	0.0	0.0	CPS
LITH	0.0	0.0	0.0	CPS
SS1	0.0	0.0	0.0	CPS
SS2	0.0	0.0	0.0	CPS

HV Settings Detector Resolutions
 HV LS: 0.0 V LS: 8.0 %
 HV SS: 0.0 V SS: 8.0 %

LBDT Caliper Calibration Summary

	MEASURED		CALIBRATED		UNITS
	Small	Large	Small	Large	IN
CALI	7.20	11.04	8.00	12.00	

Small: 15-SEP-1996 00:21 Large: 15-SEP-1996 00:22 Comp: 15-SEP-1996 00:22

CP 42.2 FILE 7 15-SEP-1996 02:57



LISTADO DEL SONICO

SONI SUMM :
 SONI STAT PUNI TUNI VALU

FWDF	MS	MS	0.0	MS
VDLG			40.0000	
VOLM			NONE	
DDMG			10.0000	
NGAI			20.0000	
NGDT	US/F	US/F	240.000	US/F
NAGC	ALLD		****	
NFSP			NORM	
NMOD			BMC	
NSF			0	
NDF	MS	MS	0.0	MS
NDI	MS	MS	5.00000	MS
VWF			/4	
NFM			NONE	
RMOD			B	
DWCO			500	
DSIN	US	US	10	
DDEL	US	US	0	US
SDAD			AUTO	
RATE	HZ	HZ	15	
SPME	LB	LB	0	LB
SPLE	IN	IN	0	IN
SLS			WA	
SLC			C	
SYS			DT	
FCF			1.00000	
CDTS			100.000	
DTF	US/F	US/F	189.000	US/F
DTH	US/F	US/F	56.0000	US/F
SPFS			R-H	
SPSD			DT	
ITTS			DT	

```

ITMD      US  US  0.0 US
EDMD      IN  IN  6.00000 IN
MSG1      US  US  35 US
MSGW      US  US  20 US
MMSG      US  US  80 US
MSGA      ALLO *****
HUBG      20.0000
MAGC      ALLO *****
HMDD      NONE
ITCM      NORM
CBLG      US  US  45 US
AMSG      US  US  180 US
SGDT      US/F US/F 50 US/F
MMSG      US  US  180 US
SGW       US  US  80 US
SGAD      ALLO *****
SFAP      DB/F DB/F 0.0 DB/F
GAI       40.0000
SLEV      MV  MV  5000.00 MV
AGC       ALLO *****
MGAI      4000.00
EDAC      M   M   60.9600 M
EDTH      .600000
DTLI      ALLO *****
DETE      E2
MODE      BHC
TOCA      ALLO *****
STOD      DISA *****
MAFD      NONE
DIAG      CODE
VDLD      NORM
VDLR      2IN
SMB       DISA *****
WFS       M   M   .609600 M
TC        1
TOD       ALLO *****
SS        MEDI
WFD       NEIT
VDLD      NEIT
ZID       NEIT
MSA       MY  MV  0.0 MV
NCI       M   M   0.0 M
CWEI      LB/F LB/F 0.0 LB/F
CSTR      KPAA KPAA 0.0 KPAA
BILT      .800000

```

CP 42.2 FILE 22 16-SEP-1996 08:47

COMPANIA	ASTRA C.A.P.S.A.	SCHL. PL	2873.5 M
		SCHL. PF	2876.0 M
POZO	APC-406	PERF. PF	2871.0 M
		Elev. KB	686.2 M
YACIMIENTO	MB - PAMPA DEL CASTILLO	MR	686.2 M
PROVINCIA	CHUBUT	PAIS	ARGENTINA
		NT	681.6 M

Schlumberger SONICO COMPENSADO (BHC-CALI) 1:200

PROVINCIA	CHUBUT	YACIMIENTO	MB - PAMPA DEL CASTILLO
LOCALIDAD	LUMBOGU RIVADAVIA	POZO	APC-406
COMPANIA	ASTRA C.A.P.S.A.	COORDENADAS	X: 4.939.189.22 Y: 2.577.725.84
PROVINCIA	CHUBUT	PAIS	ARGENTINA
YACIMIENTO	MB - PAMPA DEL CASTILLO	OTROS SERVICIOS	DIS BHC-CALI STL RF
PROVINCIA	CHUBUT	PAIS	ARGENTINA
YACIMIENTO	MB - PAMPA DEL CASTILLO	OTROS SERVICIOS	DIS BHC-CALI STL RF
PROVINCIA	CHUBUT	PAIS	ARGENTINA
YACIMIENTO	MB - PAMPA DEL CASTILLO	OTROS SERVICIOS	DIS BHC-CALI STL RF

POZO: AQU El nombre del pozo, posición y datos referentes al mismo fueron previstos por el cliente.

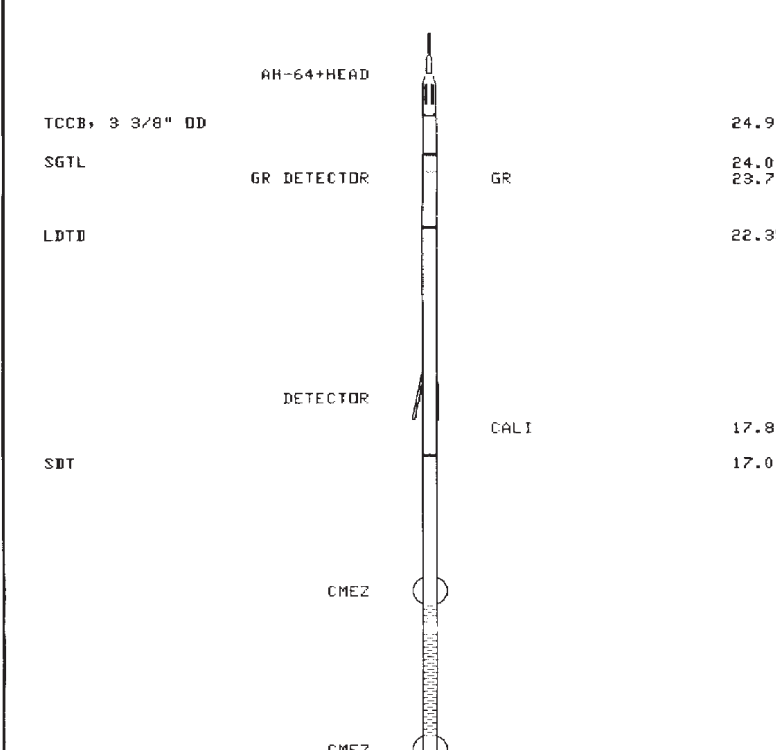
Toda interpretación o una opinión basada en inferencias de medidas eléctricas u otras medidas y no podemos garantizar, ni garantizar, la exactitud o validez de ninguna interpretación y/o comentario, excepto en el caso de un chequeo de nuestra parte, la responsabilidad de algunas pérdidas, costos, daños o gastos ocasionados al/los/s por parte del/los cliente/s de los cuales nosotros no somos responsables. Este documento es una copia de los datos de los registros de perforación y no debe ser usado para fines de interpretación de datos. Este documento es una copia de los datos de los registros de perforación y no debe ser usado para fines de interpretación de datos.

Carrera No.	1
Orden De Servicio No.	
Nivel Del Fluido De Perforación	0.0 M
Salinidad	
Ranf @ BHT	1299 OHMM @ 104 DEGC
Ranf @ BHT	.787 OHMM @ 104 DEGC
Velocidad De Registro	1800.0 F/HR

EQUIPOS UTILIZADOS	
Herramienta Numero 1	DIS-HC 220
Herramienta Numero 2	DIC-EB 219
Herramienta Numero 3	DRS-C 795
Herramienta Numero 4	NSC-F 2775
Herramienta Numero 5	SLC-MA 206
Herramienta Numero 6	SLS-WA 1685
Herramienta Numero 7	ECH-KN 453
Herramienta Numero 8	SGH-K 2009
Herramienta Numero 9	TCC-B 530
Herramienta Numero 10	SJM-DA 1625
Herramienta Numero 11	
Herramienta Numero 12	

OBSERVACIONES
 INDUCCION CON UN STANDOFF DE 15"
 SONICO CORRIDO EN SEGUNDA CARRERA, PERFILES EMPALMADAS.
 SONICO CENTRALIZADO CON CMEZ.

LOGGING TOOL STRING SKETCH



DATE: 3 5/8" OD

9.55 M

STAND OFF

SP

3.15 M

FONDO

TOOL ZERO

TOTAL TOOL STRING LENGTH IS 27.05 M.
TOTAL TOOL STRING WEIGHT IS 564.3 KG IN AIR.

TRAMO PRINCIPAL

ACCUMULATED INTEGRATION VALUES SUMMARY:

Integrated Hole Volume:	50.5947 M3	FROM 2676.00 M	TO 1383.18 M
Integrated Cement Volume:	30.7794 M3	FROM 2676.00 M	TO 1383.18 M
(ASSUMING 5.50000 IN O.D. CASING)			
Integrated Transit Time:	.398772 S	FROM 2676.00 M	TO 1383.18 M

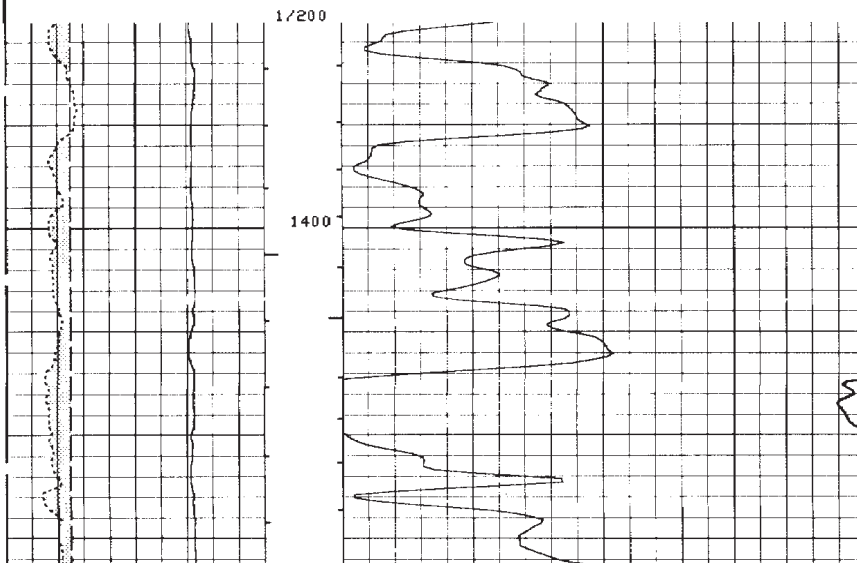
EVENT MARK SUMMARY:

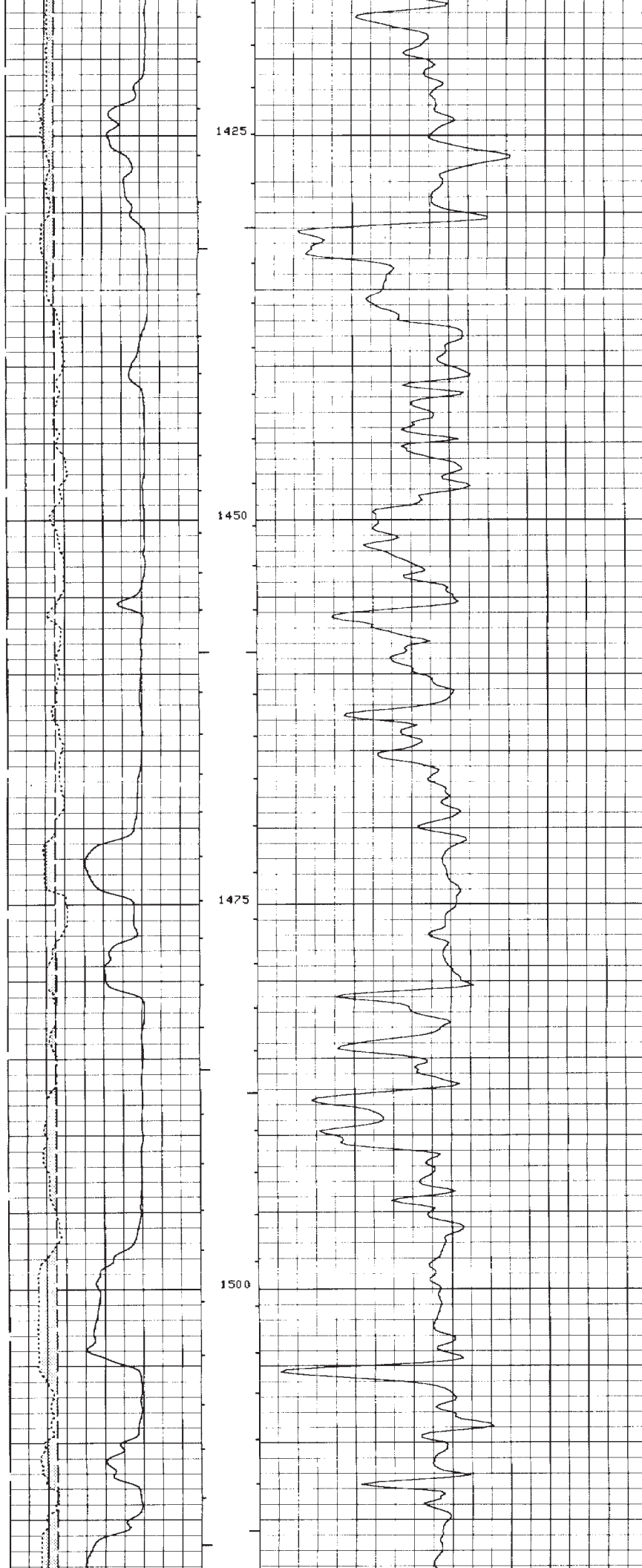
OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
Integrated Hole Volume	.100000 M3	LEFT EDGE
Integrated Transit Time	.00100000 S	RIGHT EDGE

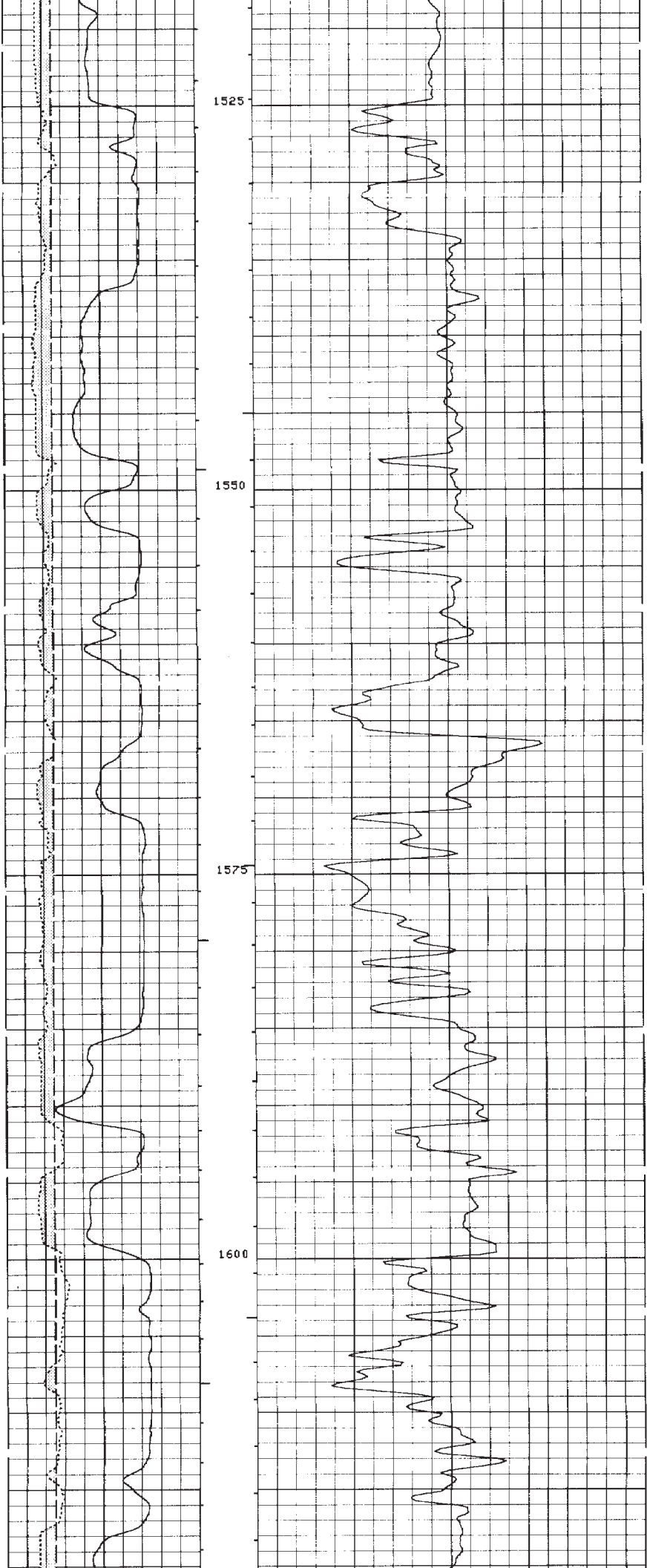
SPMV)			
80.00	20.000		
BSIN)			
8.0000	18.000		
CALON)		DT(US/F)	
8.0000	18.000	50.00	60.000
HS			
MC			

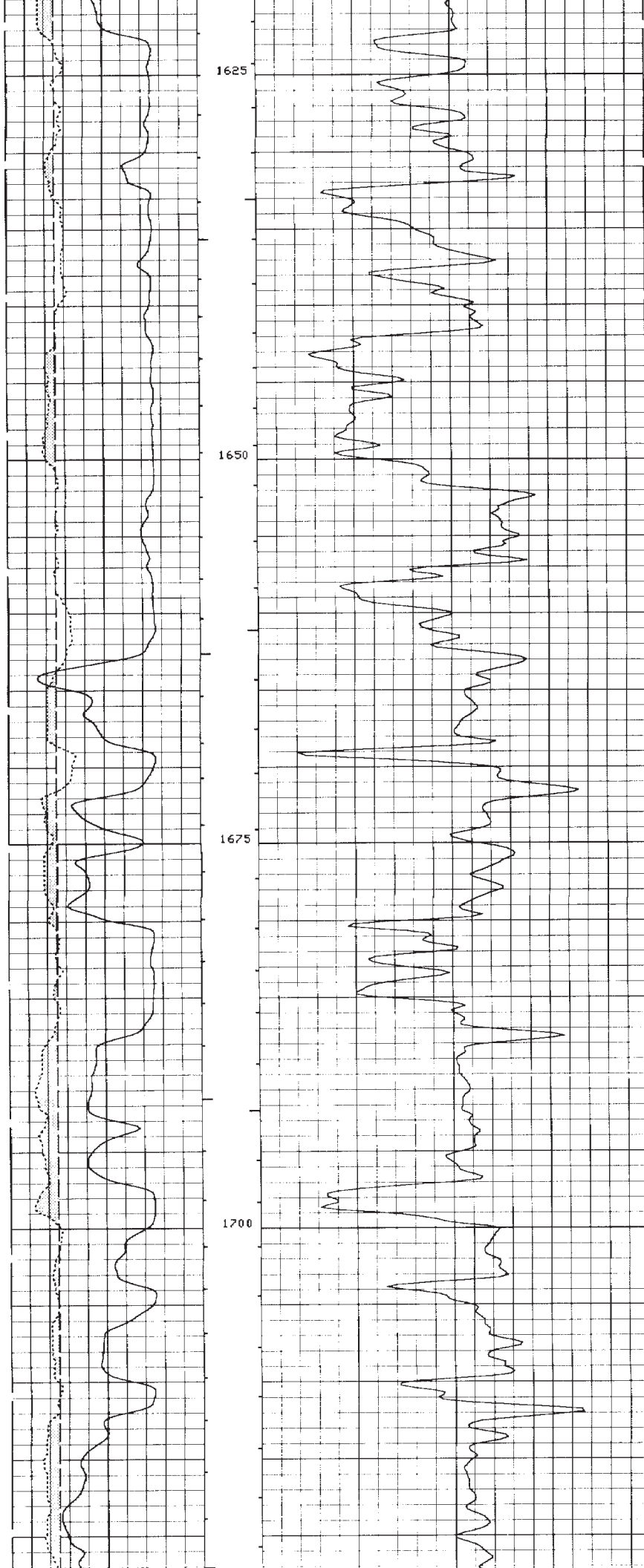
CP 42.2 FILE 25 16-SEP-1996 14:49

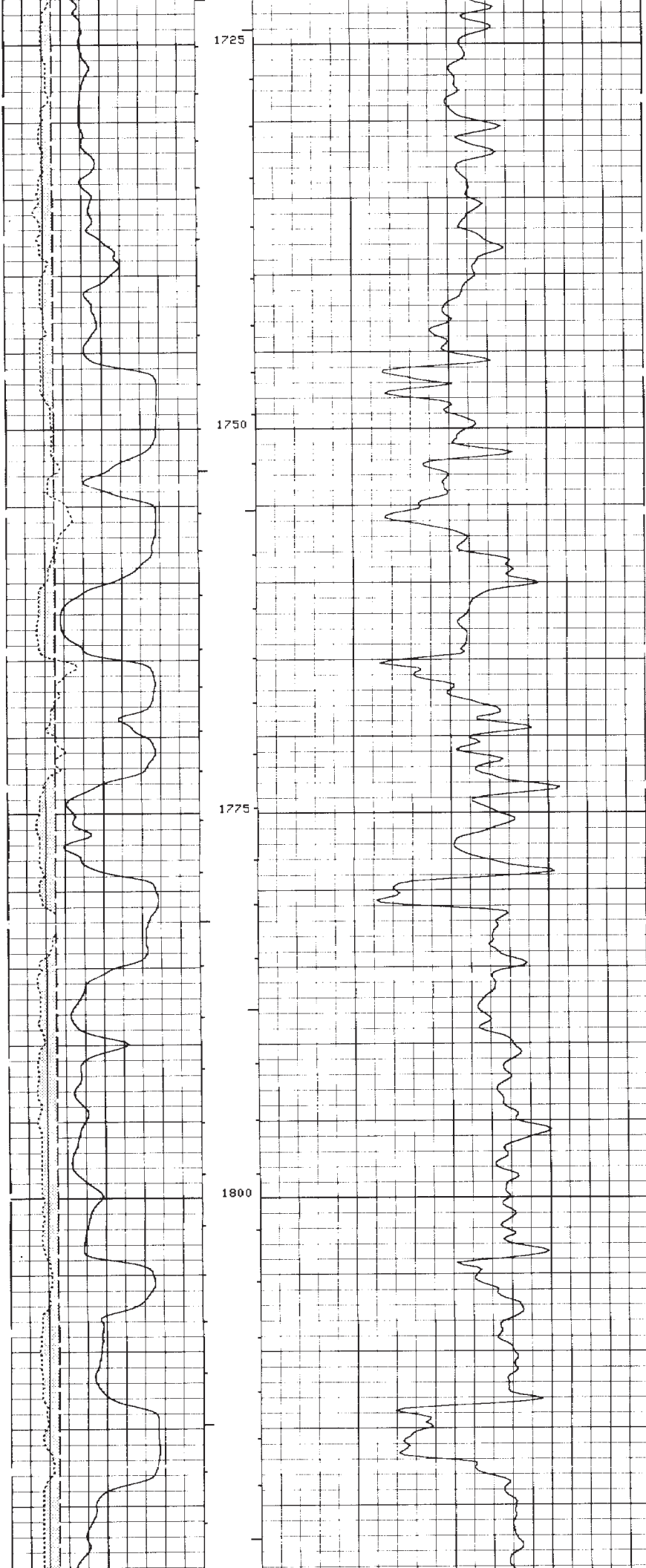
INPUT FILE(S)	CREATION DATE
18	15-SEP-1996 05:34
7	16-SEP-1996 11:01

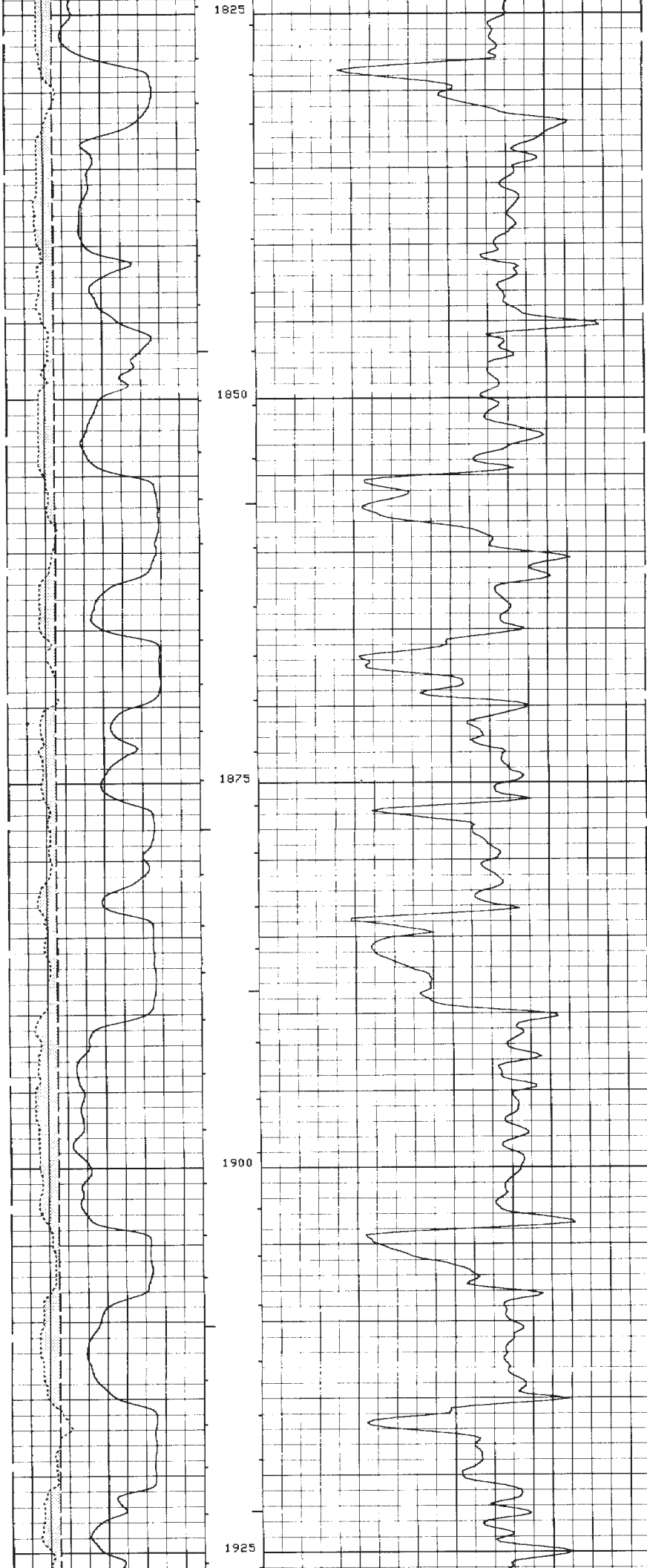


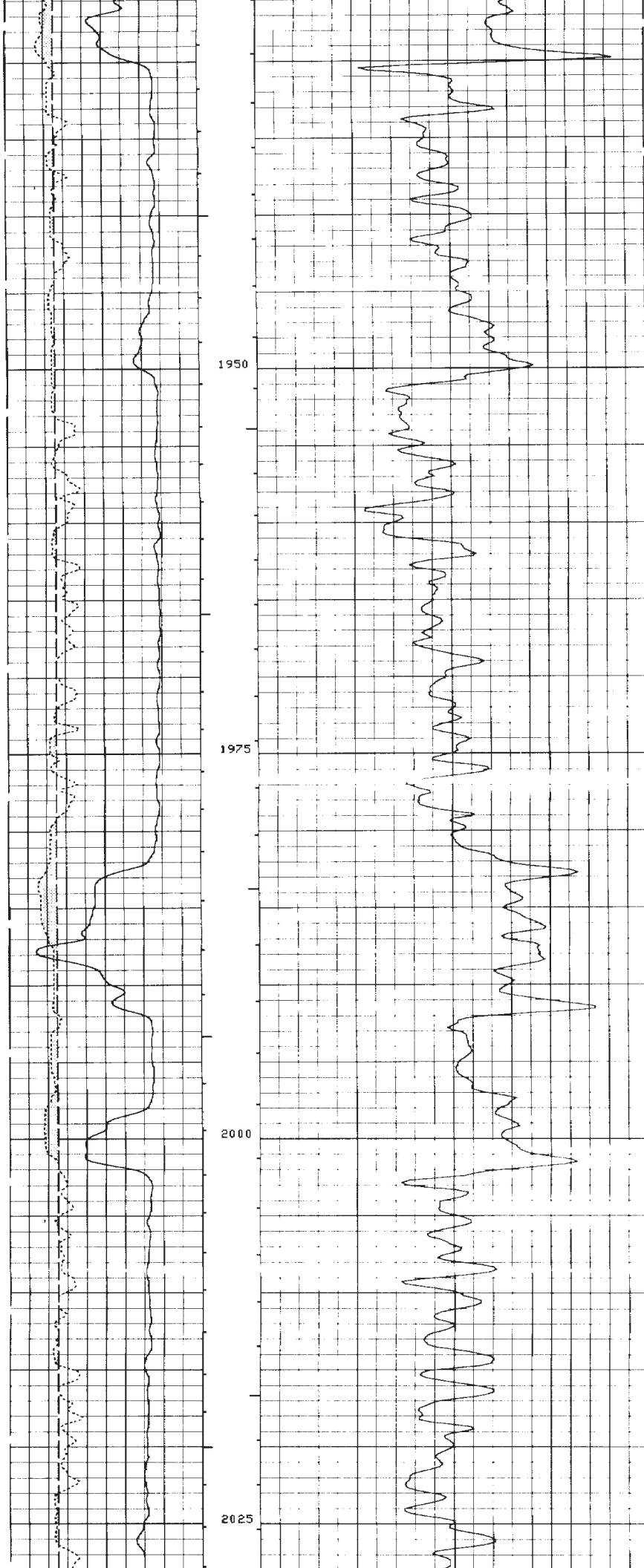


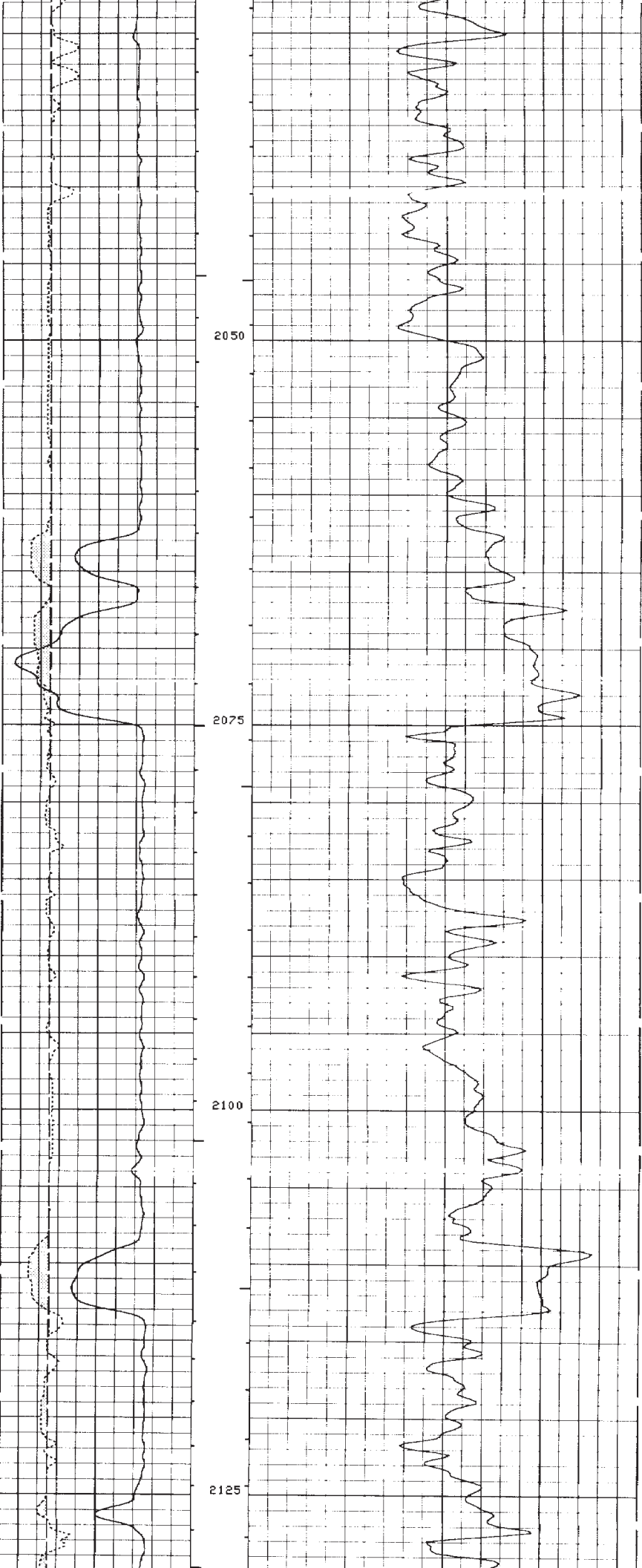


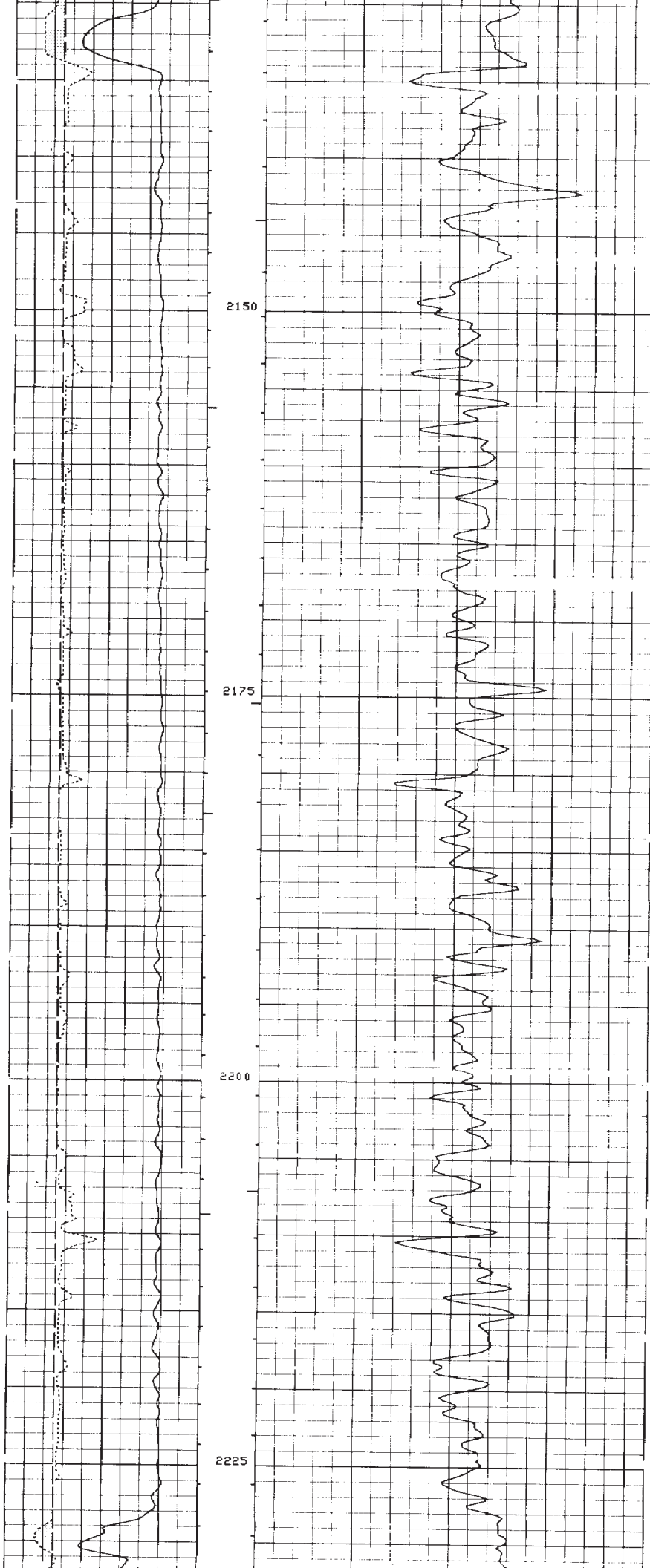


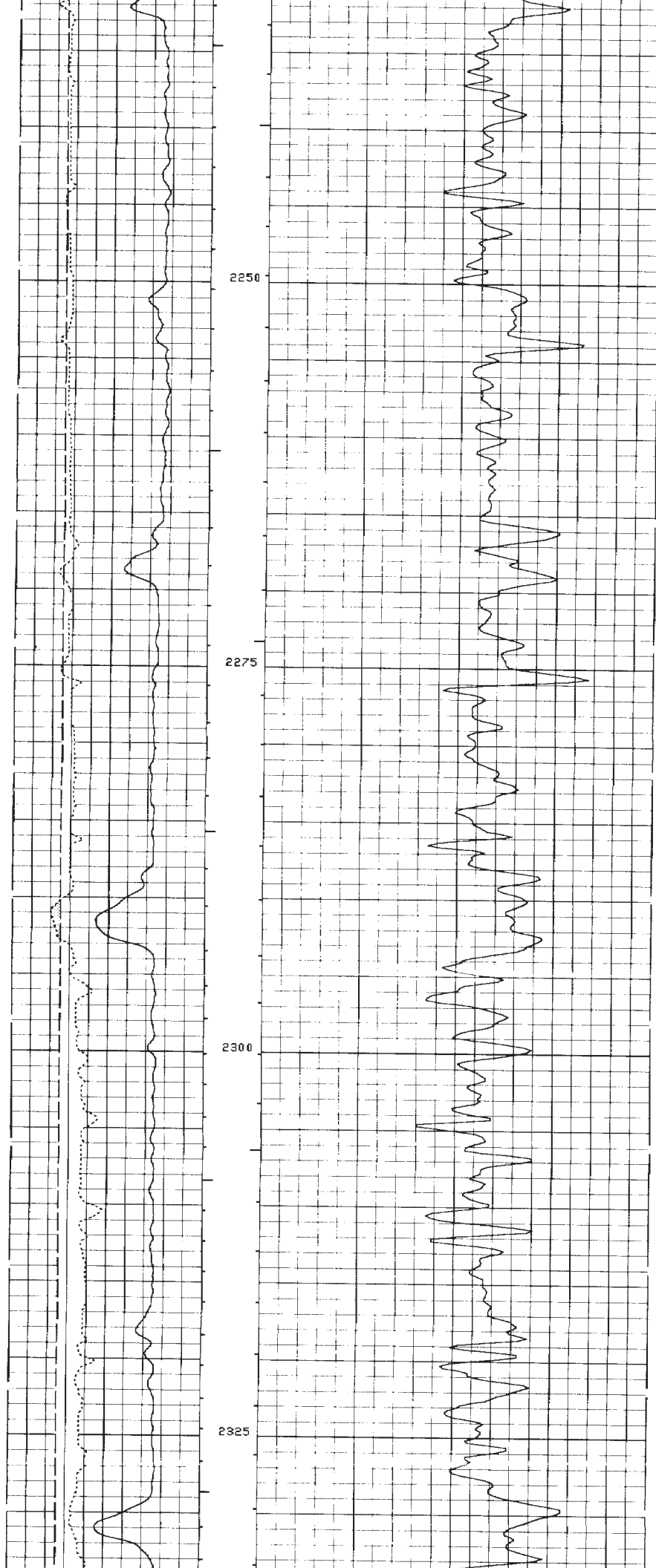


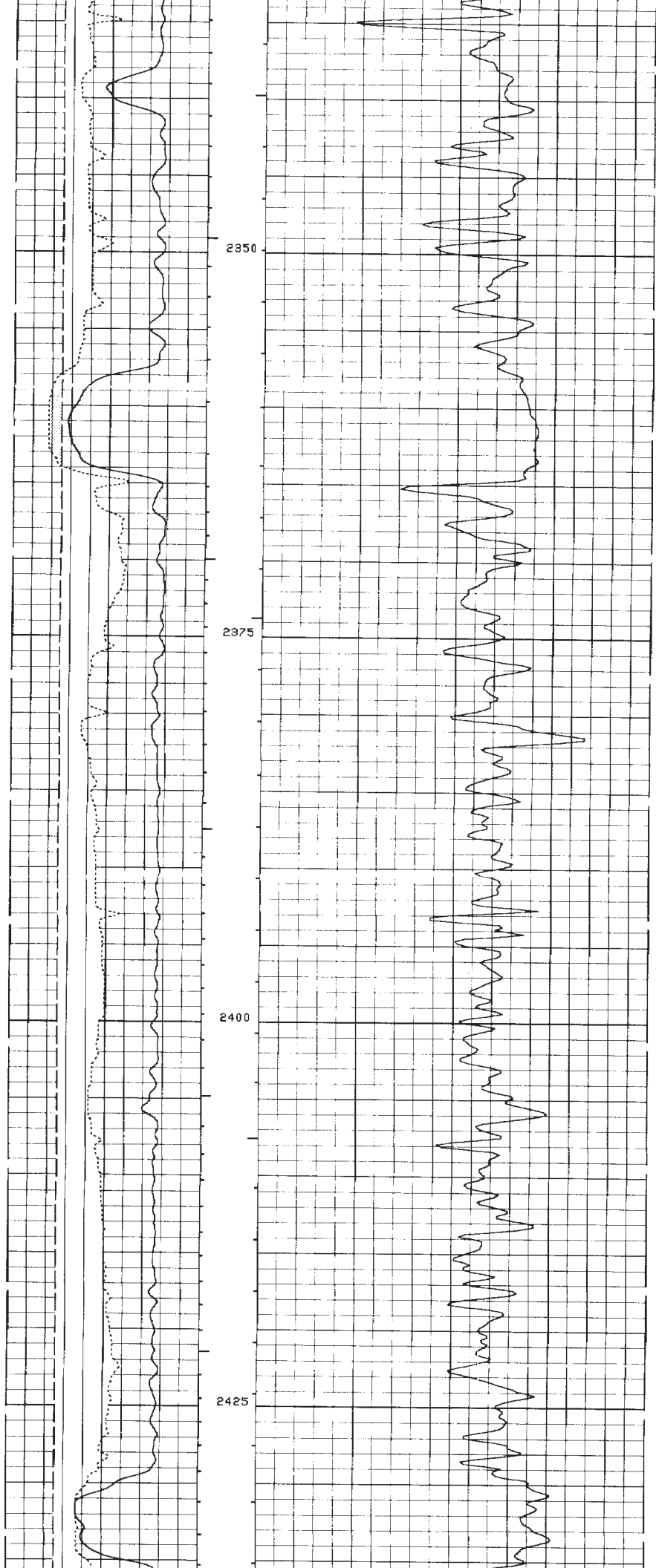


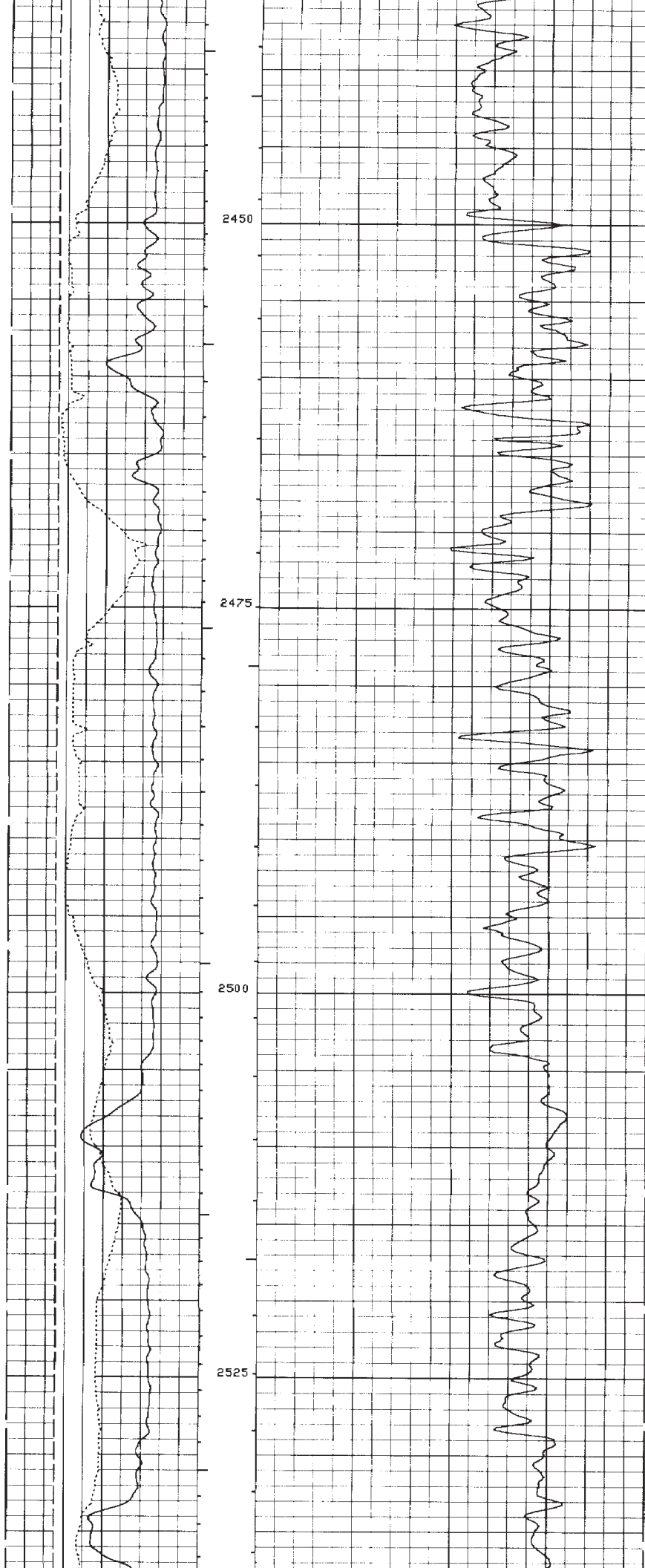


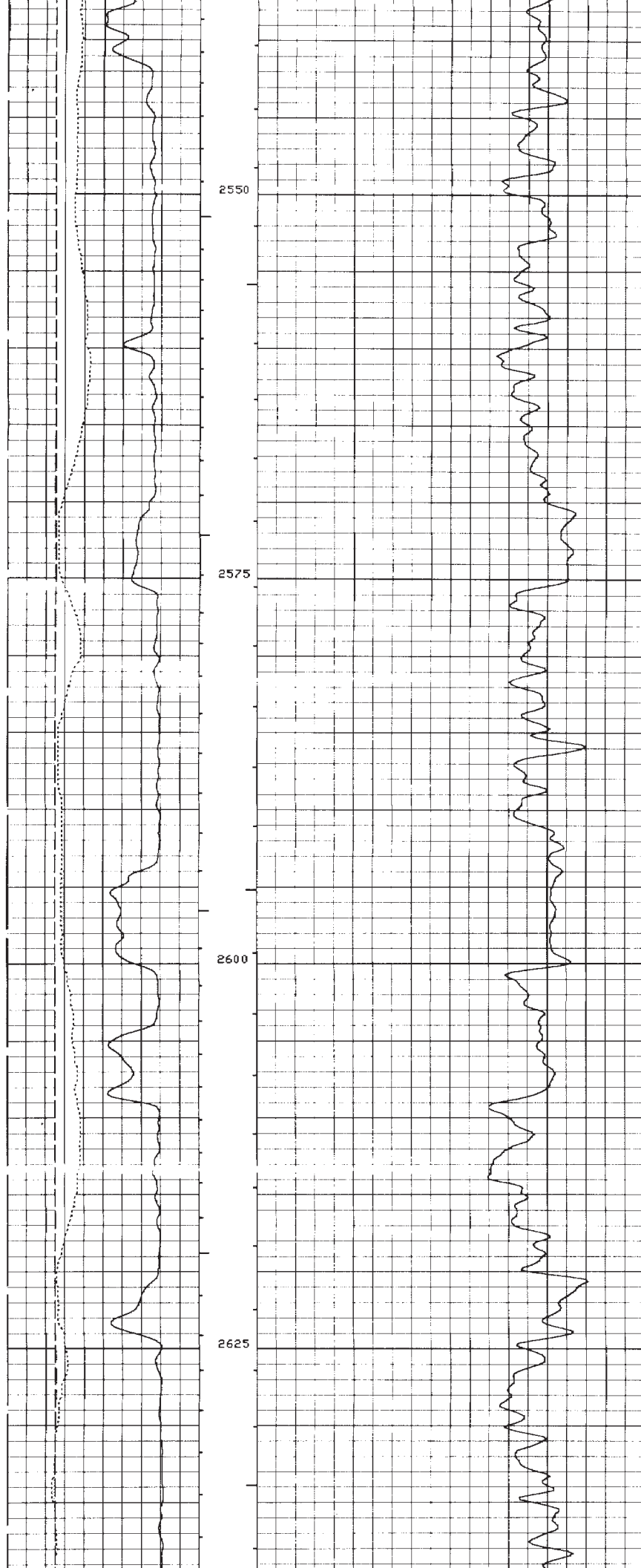


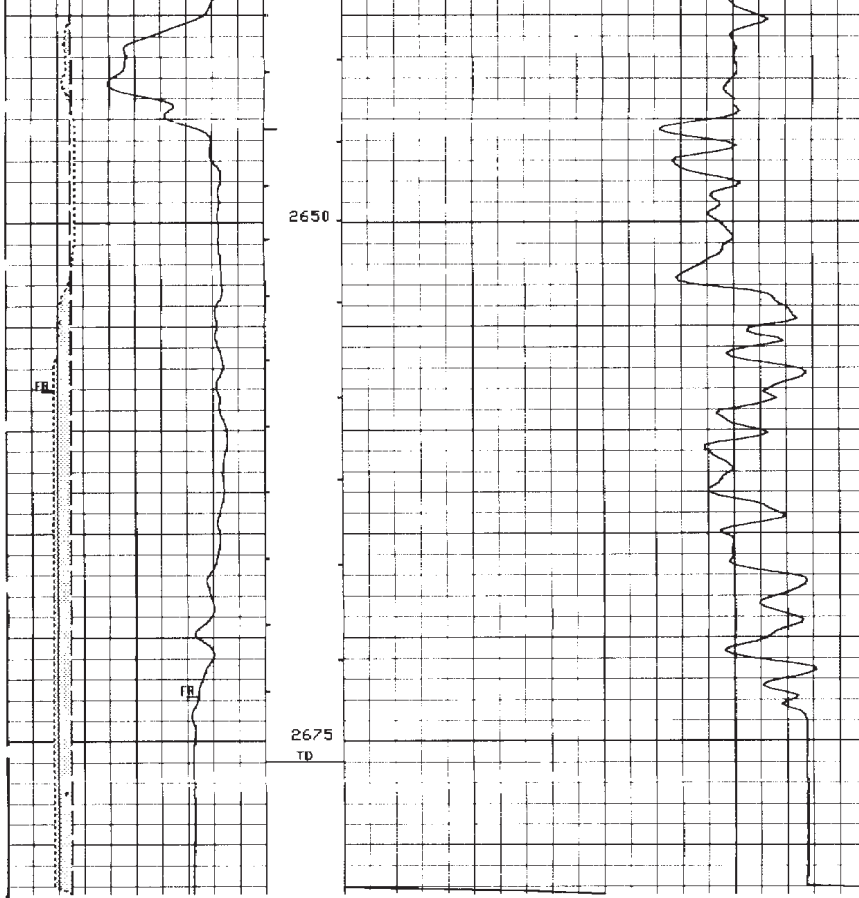












CP 42.2

FILE 25 16-SEP-1996 14:10

INPUT FILE(S) 18
7
CREATION DATE 15-SEP-1996 05:34
16-SEP-1996 11:01

HS		
MC		
SPMV)		
80.00	20.000	
BSM)		
6.0000	16.000	
CALUM I		DTUS/F)
6.0000	16.000	160.00 50.000

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
SMB	DISA		VDLR	2IN	
PP	NORM		DD	0.0	M
DD2	0.0	M	WNUD	1.14000	G/C3
TD	2676.00	M	FCD	5.50000	IN
DHC	BS		RFM	LIQU	
MDEN	2.65000	G/C3	FD	1.00000	G/C3
DPPM	STAN		FNUM	.620000	
FEXP	2.15000		FPHI	SPHI	
IFRS	20	KHZ	SBR	1.00000	DMM
MXE2	38.3114	MM/M	DXE2	113.420	MM/M
MRE2	23.4445	MM/M	DRE2	13.1174	MM/M
MPH2	-1.00776	DEG	DPH2	-.014636	DEG
MGF2	.992973		DGF2	.986448	
DESP	DISA		SFLE	ALLO	
DCAS	430.700	M	ITEN	ALLO	
DEVI	0.0	DEG	DSES	H49	
IPOD	STAN		IPHA	NORM	
TOCA	ALLO		MODE	BHC	
DETE	E2		MGAI	4000.00	
AGC	ALLO		SLEV	5000.00	MV
GAI	40.0000		SFAF	0.0	BB/F
SGAD	ALLO		SGW	80	US
NMSG	180	US	SGDT	50	US/F
DTCM	NORM		SLC	C	
SLS	NA		SPLI	0	IN
RATE	15	HZ	SDAD	AUTO	
DBEL	0	US	DSIN	10	US
DUCD	500		RMDD	B	
WMDD	BHC		WAGC	ALLO	
WGDT	240.000	US/F	WGAI	20.0000	
ITTS	DT		SFSD	DT	
SPFS	R-H		DTM	56.0000	US/F
SVS	DT		NCJT	GSRV	
GTSE	TEMP		SHT	25.0000	DEGC
BHT	95.0000	DEGC	SPAE	ALLO	
BS	8.50000	IN	BHS	OPEN	

ACCUMULATED INTEGRATION VALUES SUMMARY:

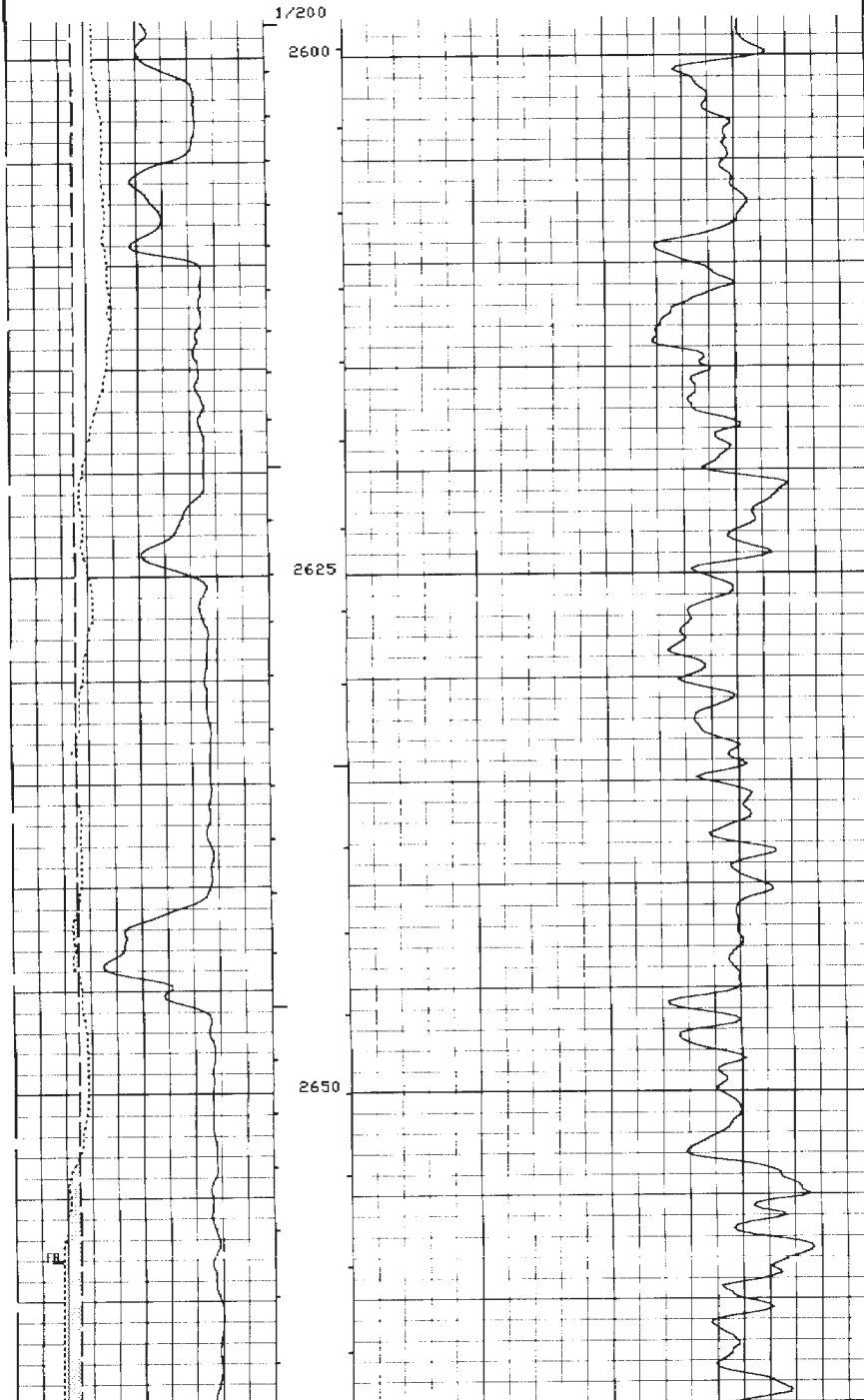
Integrated Hole Volume: 3.01603 M3 FROM 2676.00 M TO 2598.11 M
 Integrated Cement Volume: 1.82235 M3 FROM 2676.00 M TO 2598.11 M
 (ASSUMING 5.50000 IN O.D. CASING)
 Integrated Transit Time: .0193797 S FROM 2676.00 M TO 2598.11 M

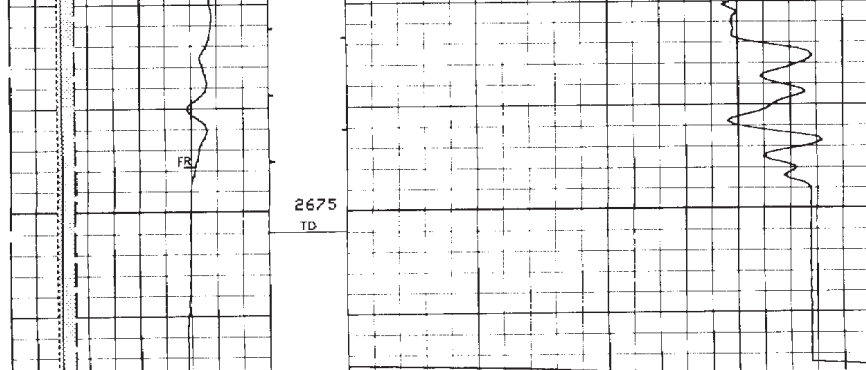
EVENT MARK SUMMARY:

OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
Integrated Hole Volume	.100000 M3	LEFT EDGE
Integrated Transit Time	.00100000 S	RIGHT EDGE

SPIMV ()		DT(US/F)	
80.00	20.000		
BSUN ()			
8.0000	16.000		
CALIIN ()			
8.0000	16.000	160.00	60.000
HS			
MC			

CP 42.2 FILE 28 16-SEP-1996 15:12
 INPUT FILE(S) CREATION DATE
 10 15-SEP-1996 03:13
 5 16-SEP-1996 10:28





CP 42.2 FILE 28 16-SEP-1996 15:10
 INPUT FILE(S) CREATION DATE
 10 15-SEP-1996 03:13
 5 16-SEP-1996 10:28

HS			
MC			
SP(MV)		DT(US/F)	
80.00	20.000		
BS(IN)			
8.0000	18.000		
CAL(MN)		150.00	50.000
8.0000	18.000		

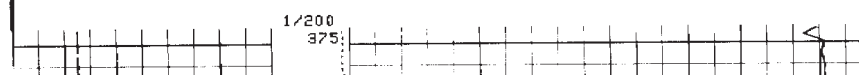
PARAMETERS

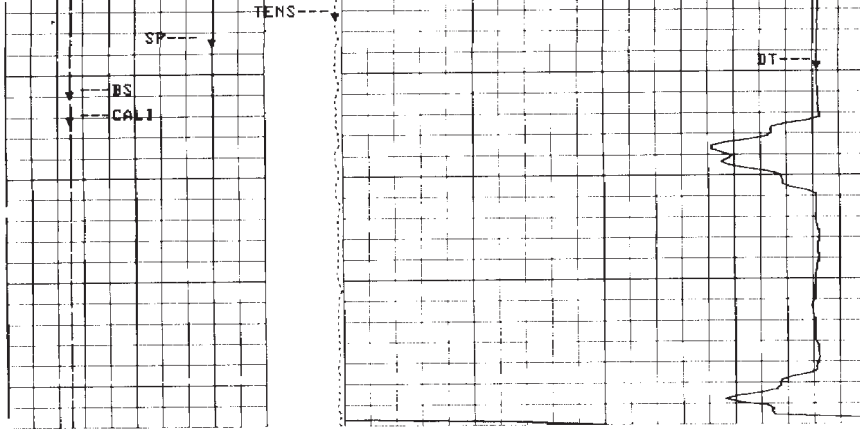
NAME	VALUE	UNIT	NAME	VALUE	UNIT
SMB	DISA		VDLR	2IN	
PP	NORM		ID	0.0	M
DD2	-1.500000	M	WMUD	1.14000	G/C3
TD	2676.00	M	FCD	5.50000	IN
DHC	BS		BFM	LIQU	
MDEN	2.65000	G/C3	FD	1.00000	G/C3
DPPM	STAN		FNUM	.620000	
FEXP	2.15000		FPHI	SPHI	
IFRS	20	KHZ	SBR	1.00000	DHMM
MXE2	38.3114	MM/M	DXE2	118.420	MM/M
MRE2	23.4445	MM/M	DRE2	13.1174	MM/M
MPH2	-1.00776	DEG	DPH2	-0.014636	DEG
MGF2	.992973		DGF2	.986448	
DESP	DISA		SFLE	ALLO	
DCAS	430.700	M	ITEN	ALLO	
DEV1	0.0	DEG	DSES	H48	
IPRO	STAN		IPHA	NORM	
TOCA	ALLO		MODE	BHC	
DETE	E2		MGAT	4000.00	
AGC	ALLO		SLEV	5000.00	MV
GAT	40.0000		SFAF	0.0	DB/F
SGAD	ALLO		SGW	80	US
NMSG	180	US	SGDT	50	US/F
DTCM	NORM		SLC	C	
SLS	WA		SPLE	0	IN
RATE	15	HZ	SOAD	AUTO	
DDEL	0	US	DSIN	10	US
DWCO	500		RMDD	B	
WMDD	BHC		WAGC	ALLO	
MGDT	240.000	US/F	WGAI	20.0000	
ITTS	DT		SPSD	DT	
SPFS	R-H		DTM	56.0000	US/F
SVS	DT		NCJT	GSRV	
GTSE	TEMP		SHT	25.0000	DEGC
BHT	95.0000	DEGC	SPAE	ALLO	
BS	8.50000	IN	BHS	OPEN	

CHEQUEO DE SONICO EN CANERIA

		TENS(B.F.)	
		0.0	1000.0
SP(MV)			
80.00	20.000		
BS(IN)			
8.0000	18.000		
CAL(MN)		DT(US/F)	
8.0000	18.000	150.00	50.000

CP 42.2 FILE 1 16-SEP-1996 16:16
 INPUT FILE(S) CREATION DATE
 1 16-SEP-1996 10:20





CP 42.2 FILE 1 16-SEP-1996 16:16
 INPUT FILE(S) CREATION DATE
 1 16-SEP-1996 10:20

HS			
MC			
SP(MV)		TENS(LBF)	
80.00	20.000	100	1000.0
BS(M)			
8.0000	16.000		
CALI(M)		DT(US/F)	
8.0000	16.000	160.00	50.000

SENSOR MEASURE POINT TO TOOL ZERO

GR 23.75 METER	SP 3.15 METER
TT3 10.90 METER	TT4 10.59 METER
TT1 11.73 METER	TT2 12.04 METER
IRM 1.83 METER	IXM 1.83 METER
ITEM 1.98 METER	IXD 2.90 METER
SFB 1.98 METER	SPA 3.35 METER
SFV 1.98 METER	SFC 1.98 METER
LITH 17.86 METER	IRD 2.90 METER
LS 17.86 METER	LL 17.86 METER
PAR1 17.70 METER	LD 17.86 METER
SS2 17.70 METER	SSI 17.70 METER
TENS 1.04 METER	CALI 17.88 METER

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
SMB	DISA		VDLR	21N	
PP	NDRM		DO	0.0	M
WMUD	1.14000	G/C3	TD	2676.00	M
FCD	5.50000	IN	DHC	BS	
BFM	LIQU		MDEN	2.65000	G/C3
FD	1.00000	G/C3	DPPM	STAN	
FNUM	.620000		FEXP	2.15000	
FPHI	SPH1		IFRS	20	KHZ
SBR	1.00000	OHMM	MXE2	98.3114	MM/M
DXE2	113.420	MM/M	MRE2	23.4445	MM/M
DRE2	13.1174	MM/M	MPH2	-1.00776	DEG
DPH2	-.014636	DEG	MGF2	.992973	
DGF2	.986448		DESP	DISA	
SFLE	ALLO		DCAS	430.700	M
ITEN	ALLO		DEVI	0.0	DEG
DSES	H48		IPRD	STAN	
IPHA	NDRM		TOCA	ALLO	
MODE	BHC		DETE	E2	
MGAI	4000.00		AGC	ALLO	
SLEV	5000.00	MV	GAI	40.0000	
SFAF	0.0	DB/F	SGAD	ALLO	
SGH	80	US	NMSG	180	US
SGDT	50	US/F	ITCM	NDRM	
SLC	C		SLS	WA	
SPLE	0	IN	RATE	15	HZ
SOAD	AUTO		DDEL	0	US
DSIN	10	US	DWCO	500	
RMDD	B		WMDD	BHC	
WAGC	ALLO		WGDT	240.000	US/F
WGAI	20.0000		ITTS	BT	
SPSD	BT		SPFS	R-H	
DTM	56.0000	US/F	SVS	DT	
NCJT	GSRV		GTSE	TEMP	
SHT	25.0000	DEGC	BHT	95.0000	DEGC
SPA8	ALLO		BS	8.50000	IN
BHS	OPEN				

CALIBRACIONES

BEFORE SURVEY CALIBRATION Summary

Performed: 15-SEP-1996 02:57

SGTL Detector Calibration Summary

	MEASURED		CALIBRATED		UNITS
GR	BKGD	JIG			GAPI
	66	221	165		

Back: 14-SEP-1996 00:22 Jig: 14-SEP-1996 00:25 Comp: 14-SEP-1996 00:25

DITE Electronics Calibration Summary

Sonde SN#: 220
 Cartridge SN#: 219
 Induction Freq: 20 KHz

Induction Electronics:

	Offset (MM/M)	Valid Range (MM/M)	Gain (--)	Valid Range (--)	Phase (DEG.)	Valid Range (DEG.)
IRD	30.0	-92. => 158.	.938	.86 => 1.21		
IXD	29.9	-95. => 155.	.941	.86 => 1.21	-1.33	-13.39 => 16.61
IRM	58.5	-167. => 283.	.980	.84 => 1.18		
IXM	44.0	-177. => 273.	.979	.84 => 1.19	5.22	-12.44 => 17.56

SFL Electronics:

	Offset	Valid Range	Units	Gain	Valid Range
SFV	1.1	-14.1 => 15.9	MV	1.03	.87 => 1.22
SFC	.1	-.5 => .7	MA	1.06	.88 => 1.25

Plus Measurement performed at: 15-SEP-1996 02:56

Shop cals used were performed: 14-SEP-1996 14:04

LDTD Detector Calibration Summary

Density Resistivity Sonde Number : 1
 Nuclear Services Cartridge Number : 1
 Powered Detector Housing Number : 1
 Powered Gamma-Gamma Detector Number : 1
 LDT Logging Source Number : 1
 LDT Calibration Mode : WATE

	Measured Bkgd	Shop Al+Fe	Values Al	Units
LL	0.0	0.0	0.0	CPS
LU	0.0	0.0	0.0	CPS
LS	0.0	0.0	0.0	CPS
LITH	0.0	0.0	0.0	CPS
SS1	0.0	0.0	0.0	CPS
SS2	0.0	0.0	0.0	CPS

HV Settings Detector Resolutions
 HV LS: 0.0 V LS: 8.0 %
 HV SS: 0.0 V SS: 8.0 %

LBDT Caliper Calibration Summary

	MEASURED		CALIBRATED		UNITS
	Small	Large	Small	Large	IN
CALI	7.20	11.04	8.00	12.00	

Small: 15-SEP-1996 00:21 Large: 15-SEP-1996 00:22 Comp: 15-SEP-1996 00:22

CP 42.2 FILE 7 15-SEP-1996 02:57



LISTADO DEL SONICO

SONI SUMM :
 SONI STAT PUNI TUNI VALU

FWDF	MS	MS	0.0 MS
VDLG			40.0000
VOLM			NONE
DDMG			10.0000
NGAI			20.0000
NGDT	US/F	US/F	240.000 US/F
NAGC	ALLD		****
NFSP			NORM
NMOD			BMC
NSF			0
NDF	MS	MS	0.0 MS
NDI	MS	MS	5.00000 MS
VWF			/4
NFM			NONE
RMOD			B
DWCO			500
DSIN	US	US	10
DDEL	US	US	0 US
SDAD			AUTO
RATE	HZ	HZ	15
SPME	LB	LB	0 LB
SPLE	IN	IN	0 IN
SLS			WA
SLC			C
SYS			DT
FCF			1.00000
CDTS			100.000
DTF	US/F	US/F	189.000 US/F
DTH	US/F	US/F	56.0000 US/F
SPFS			R-H
SPSD			DT
ITTS			DT

```

ITMD      US  US  0.0 US
EDMD      IN  IN  6.00000 IN
MSG1      US  US  35 US
MSGW      US  US  20 US
MMSG      US  US  80 US
MSGA      ALLO *****
HUBG      20.0000
MAGC      ALLO *****
HMDD      NONE
ITCM      NORM
CBLG      US  US  45 US
AMSG      US  US  180 US
SGDT      US/F US/F 50 US/F
MMSG      US  US  180 US
SGW       US  US  80 US
SGAD      ALLO *****
SFAP      DB/F DB/F 0.0 DB/F
GAI       40.0000
SLEV      MV  MV  5000.00 MV
AGC       ALLO *****
MGAI      4000.00
EDAC      M   M   60.9600 M
EDTH      .600000
DTLI      ALLO *****
DETE      E2
MODE      BHC
TOCA      ALLO *****
STOD      DISA *****
MAFD      NONE
DIAG      CODE
VDLD      NORM
VDLR      2IN
SMB       DISA *****
WFS       M   M   .609600 M
TC        1
TOD       ALLO *****
SS        MEDI
WFD       NEIT
VDLD      NEIT
ZID       NEIT
MSA       MY  MV  0.0 MV
NCI       M   M   0.0 M
CWEI      LB/F LB/F 0.0 LB/F
CSTR      KPAA KPAA 0.0 KPAA
BILT      .800000

```

CP 42.2 FILE 22 16-SEP-1996 08:47

COMPANIA	ASTRA C.A.P.S.A.	SCHL. PL	2873.5 M
		SCHL. PF	2876.0 M
POZO	APC-406	PERF. PF	2871.0 M
		Elev. KB	686.2 M
YACIMIENTO	MB - PAMPA DEL CASTILLO	MR	686.2 M
PROVINCIA	CHUBUT	PAIS	ARGENTINA
		NT	681.6 M

Schlumberger SONICO COMPENSADO (BHC-CALI) 1:200



ASTRA C.A.P.S.A.
Exploración y Producción

COMUNICACIÓN FACSIMILE

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Ref. : CAPAS A PUNZAR POZO APC-406

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CC: D. Matijasevich / J. Bongiovani / C. Coria / E. Abriata

Transmitido por: Karin

Cantidad total de páginas: C + 4

Adjunto del pozo APC-406 planilla Descripción Litológica Testigos Laterales.

Las Capas a Punzar y Evaluación de Pozo se envían por mail.

U R G E N T E

DESCRIPCION LITOLOGICA T.L.N°: 1 2 3 4 5 6 7 8 9 10 11 12

PROF.: 2663 2657 2643 2641 2599 2595 2574 2572 2559 2509 2434.0 2402

Table with columns for well depth (1-12) and rows for various lithological and recovery parameters such as TESTIGO LATERAL CONVENCIONAL, RECUPERACION, and MINERALES ACCESORIOS.

COLOR NEGRO Blanco

Main data table with columns for well depth (1-12) and rows for detailed parameters including GRANULOMETRIA, RECONDEAMIENTO, SELECCION, MATRIZ, CEMENTO, CONSOLIDACION, PERMEABILIDAD, IMPRESIONACION, TIPO DE PETROLEO, ASPECTO, FLUORESCENCIA MINERAL, FLUORESCENCIA, DIRECTA/EXTRACCION, COLOR, INTENSIDAD, and EVALUACION.

DESCRIPCION LITOLOGICA T.L.N°: 13 14 15 16 17 18 19 20 21 22 23 24

POZO: PROF.: 2362 6 2358 2 2099 2 2331 2 2291 2 2268 2 2230 2 2131 2 2126 2 2117 2 2088 2 2064

Table with columns for well numbers 13-24 and rows for various lithological and petrographic properties such as TESTIGO LATERAL CONVENCIONAL, RECUPERACION, GRANULOMETRIA, etc.

DESCRIPCION LITOLOGICA T.L.N.º: 25 26 26⁰⁰ 27 28 29 30 31 32 33 34 35

PROF.: 2000.6 1985 1985 1892 1882² 1875⁴ 1871² 1862² 1821⁵ 1802⁸ 1677 1675

Table with columns for depth (25-35) and rows for TESTIGO LATERAL CONVENCIONAL, TESTIGO LATERAL (CORONA), CUTTING, TIENE DESCRIPCION PETROGRAFICA, RECUPERACION (BUENA, REGULAR, MALA), ARENITA -15% MATRIZ (LITICA, CUARZOSA, FELDESPATICA), VAQUE 15-75% MATRIZ (LITICA, CUARZOSA, FELDESPATICA), PELITA/MUDSTONE +75% MATRIZ (ARCILITA, LIMOLITA), TOSA, SASALTO, MINERALES ACCESORIOS (ZEOLITA, PIRITA, MICA).

Table with columns for depth (25-35) and rows for GRANULOMETRIA (M.FINA, FINA, MEDIANA, GRUESA, M.GRUESA, CONGLOMERADICA) and REDONDEAMIENTO (REDONDEADO, SUBREDONDEADO, SUBANGULAR, ANGULAR).

Table with columns for depth (25-35) and rows for SELECCION (BUENA, REGULAR, MALA) and MATRIZ (ARCILLOSA, TOBACEA).

Table with columns for depth (25-35) and rows for CEMENTO (CALCAREO, OTRO) and CONSOLIDACION (SUELTA, FRIABLE, CONSOLIDADA, M.CONSOLIDADA).

Table with columns for depth (25-35) and rows for PERMEABILIDAD (NORMAL, B.N.a NORMAL, BAJO NORMAL) and IMPREGNACION (TOTAL, C/TOTAL, PARCIAL, PUNTUAL, AUSENTE, BAÑEADA).

Table with columns for depth (25-35) and rows for TIPO DE PETROLEO LIV. (Y/O GAS, LIVIANO, MEDIANO, PESADO) and ASPECTO (MOVIL, SECO, INVADIDO, LAVADO).

Table with columns for depth (25-35) and rows for FLUORESCENCIA MINERAL (POSITIVA, NEGATIVA) and COLOR (BLANCO, AMARILLO, HARRON CLARO, HARRON OSCURO).

Table with columns for depth (25-35) and rows for INTENSIDAD (DEBIL, FUERTE) and EVALUACION (SI, PaS, PI-, PI, PI+, PaC, CI, I).

