



Castor LG 10-72 HN Final 5" TVD
(Scale: 5":100' (10'))

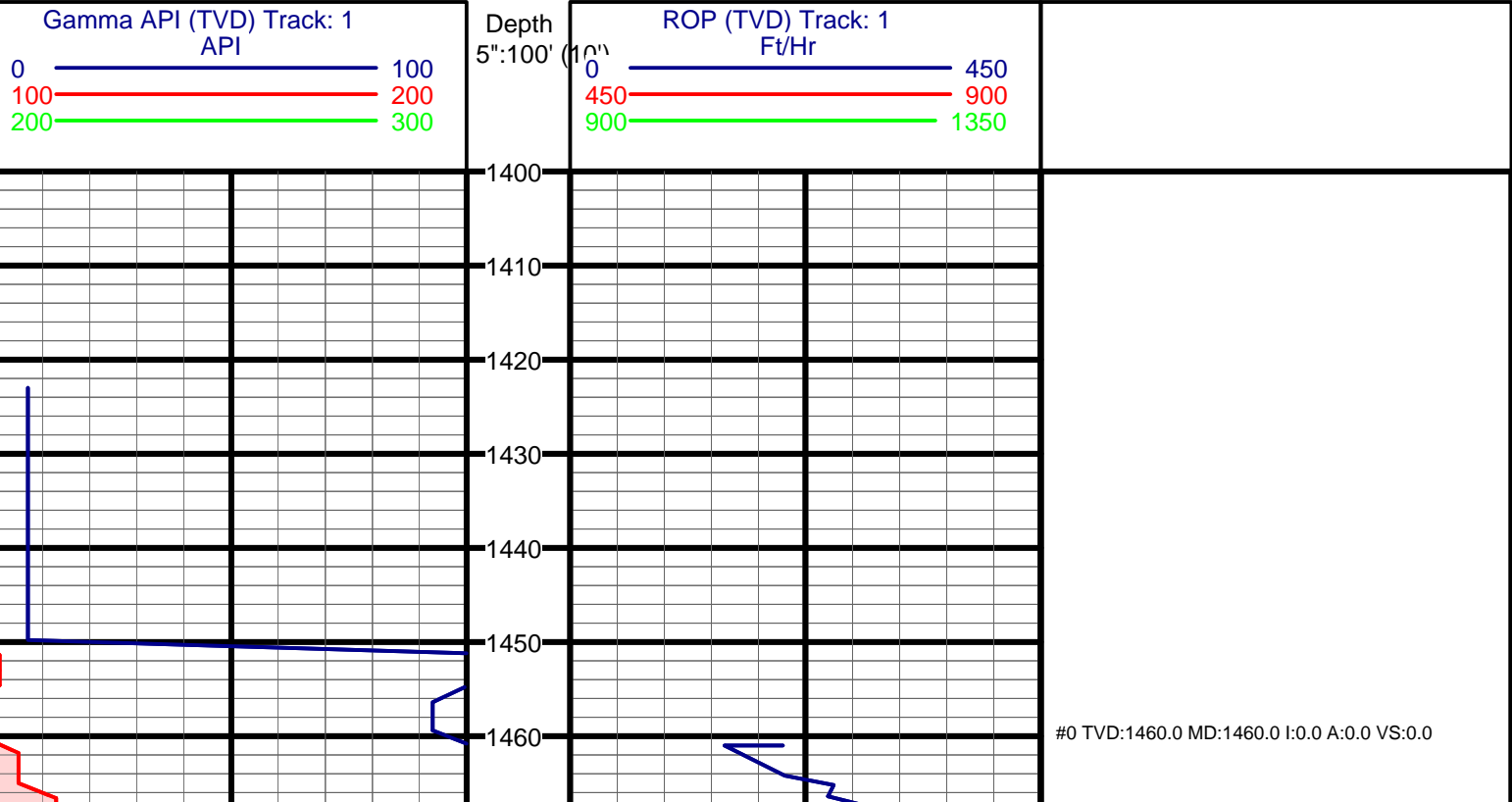
Company: Noble Energy Inc.
Well: Castor LG 10-72 HN
Field: Wattenberg
Well ID: 05-123-33436
Job Number: RM-12757
Location: Sec 10, T8N, R59W, 6th P.M.
Operator 1: W. Barham
Operator 2: R. Kubistek

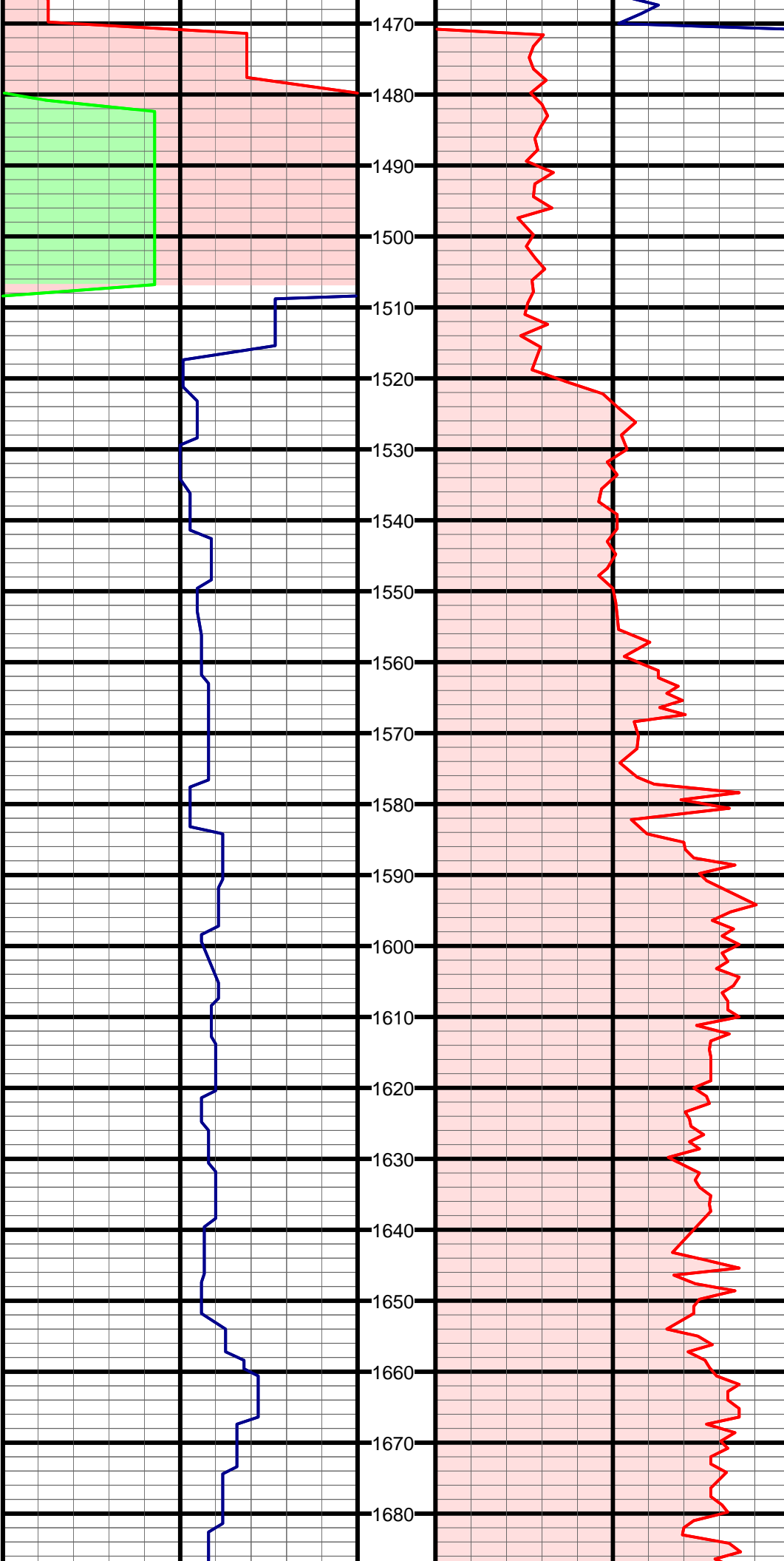
State: CO
County: Weld
Country: USA

Elev KB: 4,796'
Elev DF:
Elev GL: 4,766'

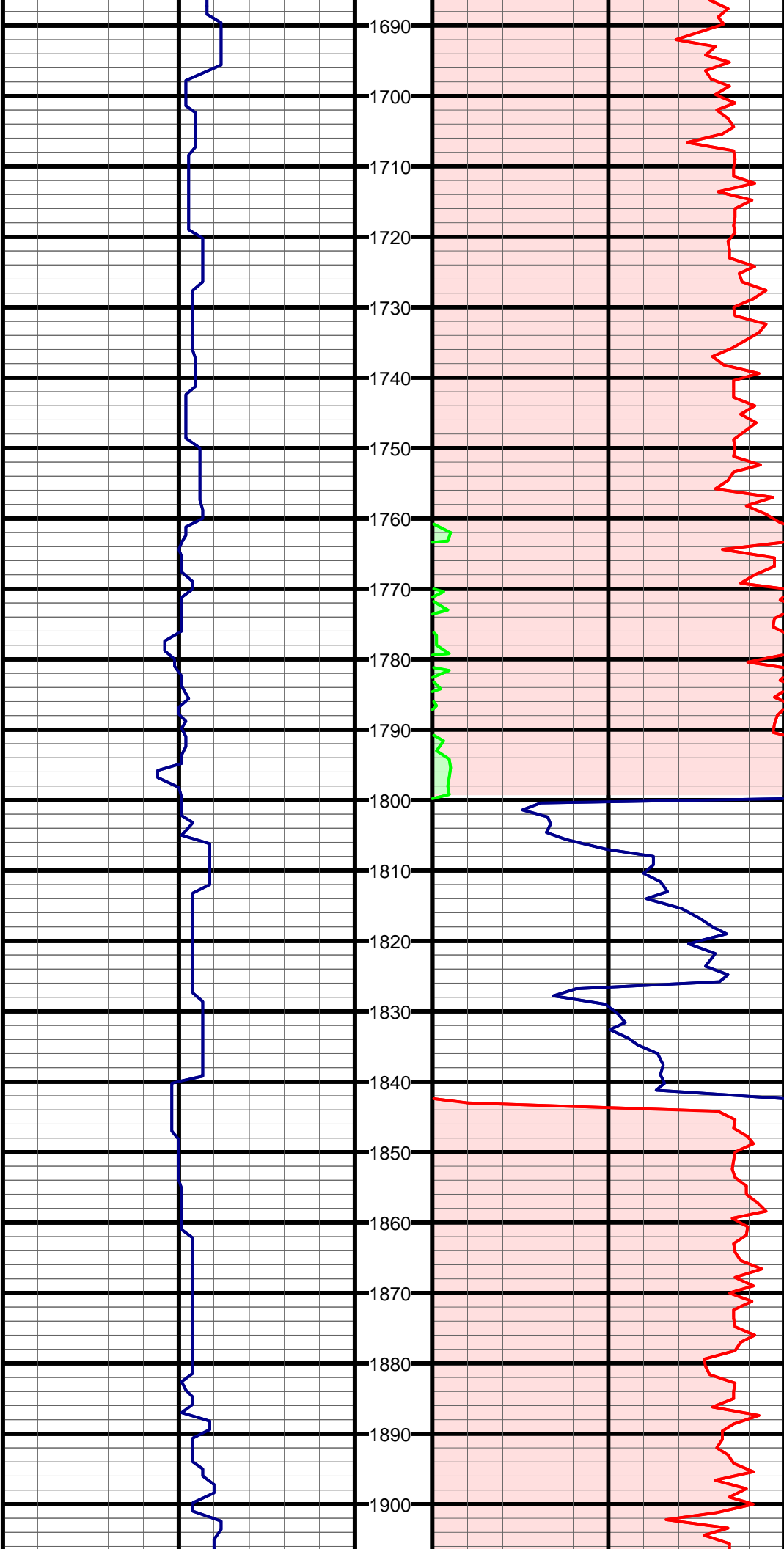
Comment 1: Final 5" TVD Gamma Log
Comment 2: Tie Into Surface Casing At 1,460'
Comment 3:
Comment 4:
Comment 5:

Hole Data			Casing Record		
Size	From	To	Size	From	To
13.750"	0'	1,460'	9.625"	0'	1,460'
8.750"	1,460'	5,226'	7.000"	1,460'	5,226'
6.125"	5,226'	10,235'	4.500"	5,226'	10,235'
Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	0122	0122	0122		
Cal Factor	3.0	3.0	1.8		
Gamma Offset	38'	38'	38'		
Start Depth	1,460'	5,226'	6,366'		
Start Date	14 Oct 2012	15 Oct 2012	17 Oct 2012		
Start Time	10:00	10:20	12:10		
End Depth	5,226'	6,366'	10,235'		
End Date	15 Oct 2012	16 Oct 2012	20 Oct 2012		
End Time	08:50	12:45	02:00		



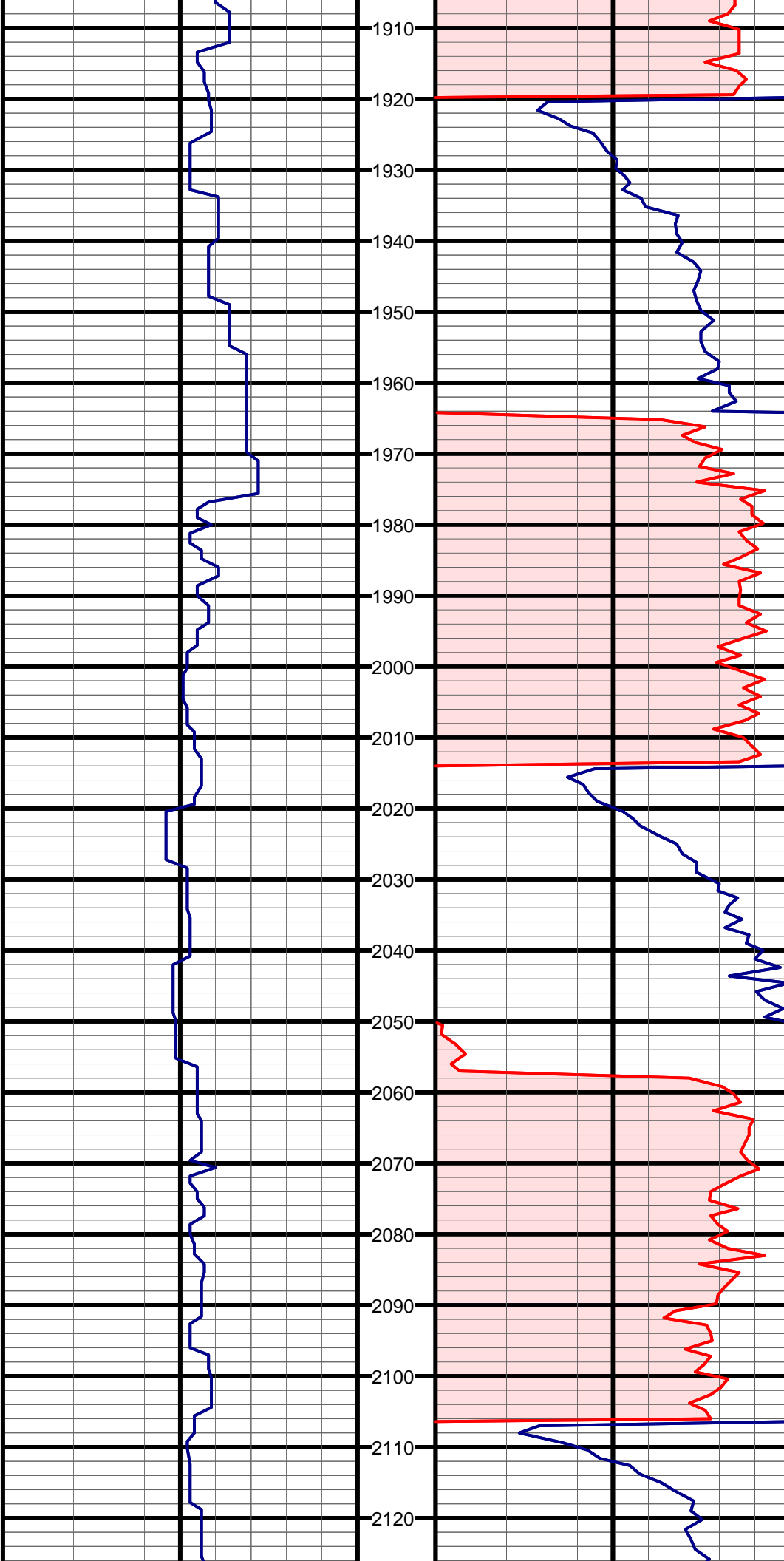


#1 TVD:1502.0 MD:1502.0 I:0.2 A:118.9 VS:-0.0



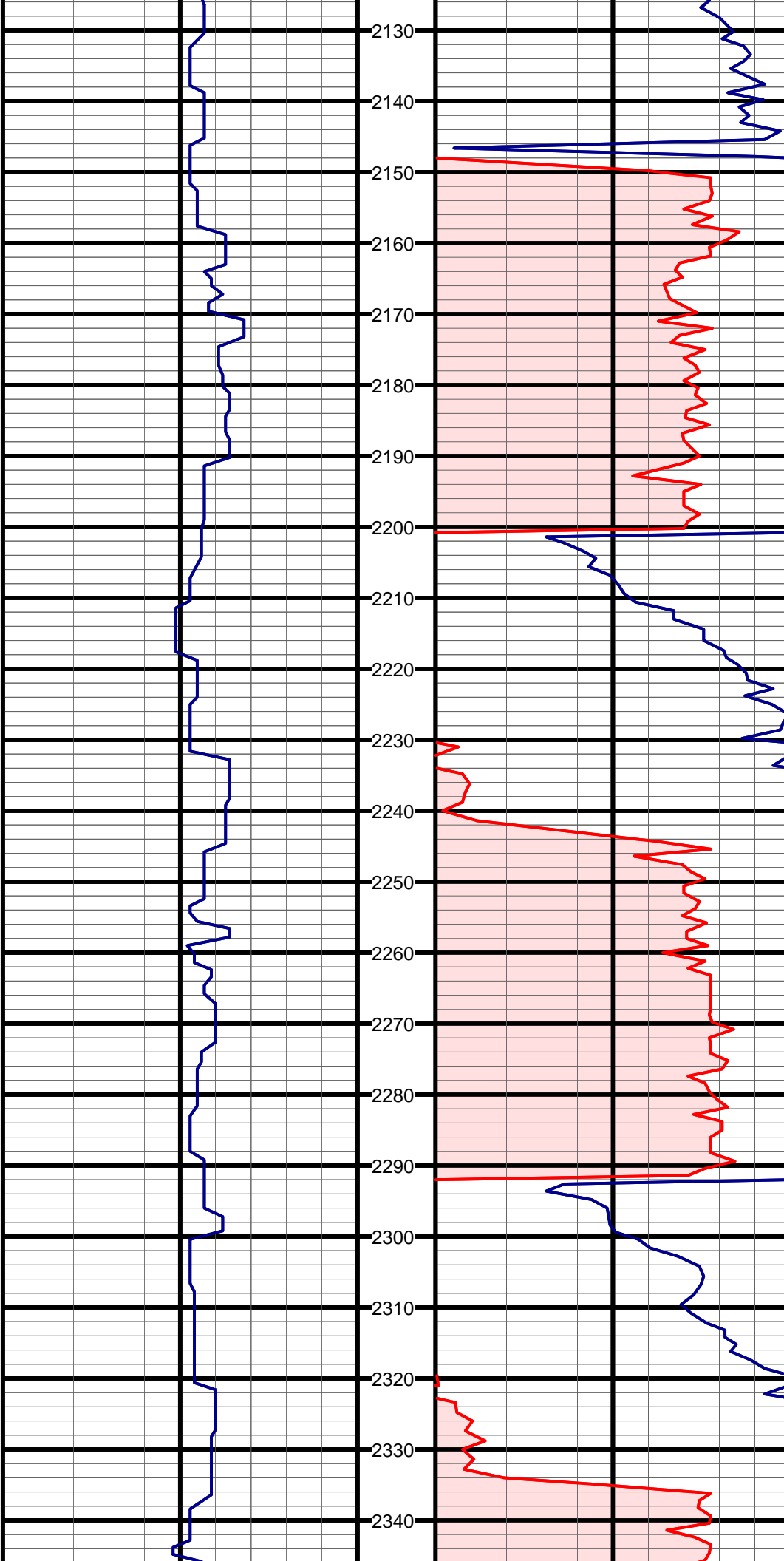
#2 TVD:1782.0 MD:1782.0 I:0.9 A:231.0 VS:-1.6

#3 TVD:1875.9 MD:1876.0 I:2.8 A:215.0 VS:-3.9



#4 TVD:1969.7 MD:1970.0 I:5.4 A:199.0 VS:-9.8

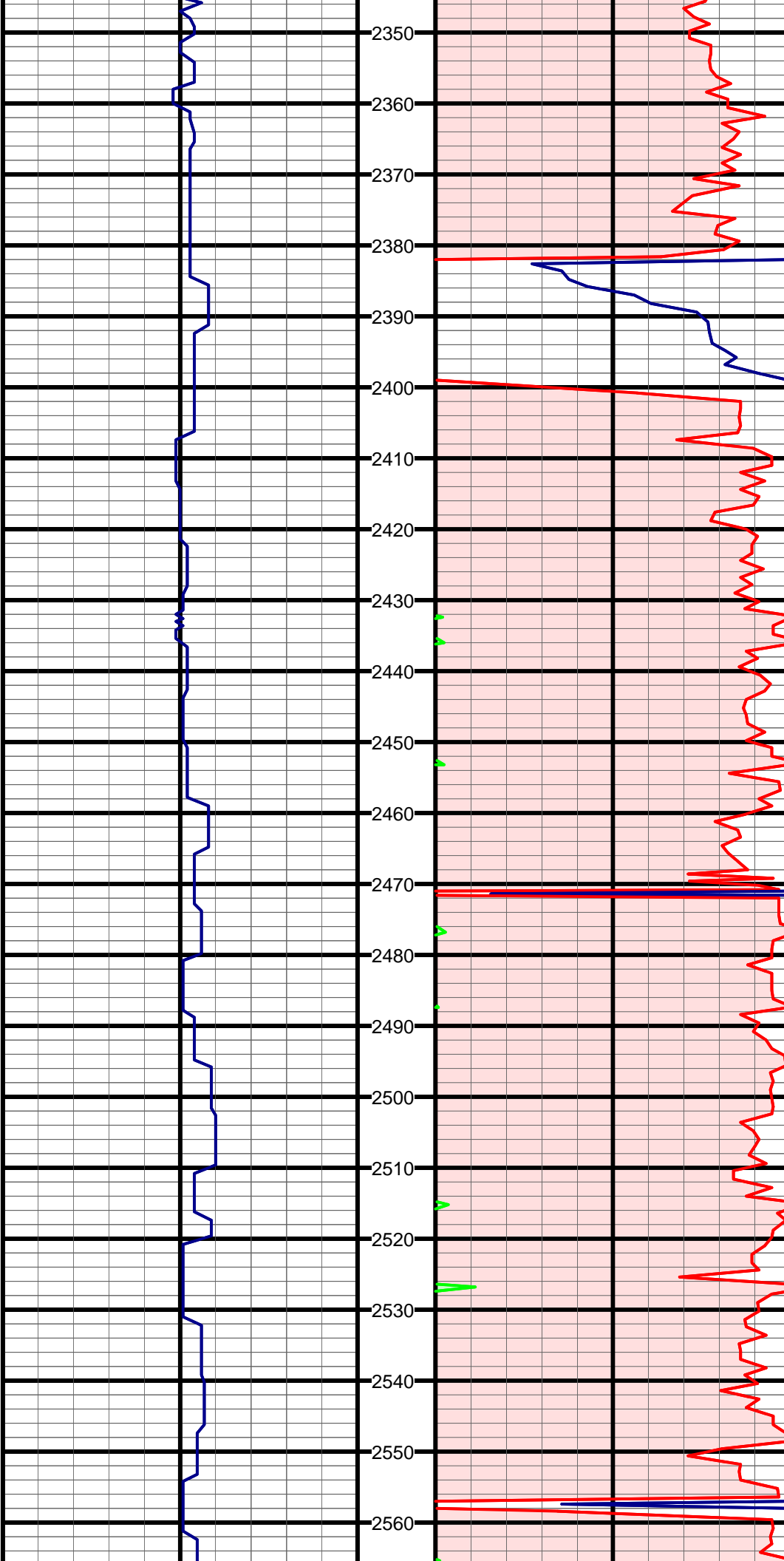
#5 TVD:2061.0 MD:2062.0 I:8.1 A:195.3 VS:-20.0



#6 TVD:2152.9 MD:2155.0 I:10.2 A:197.8 VS:-33.9

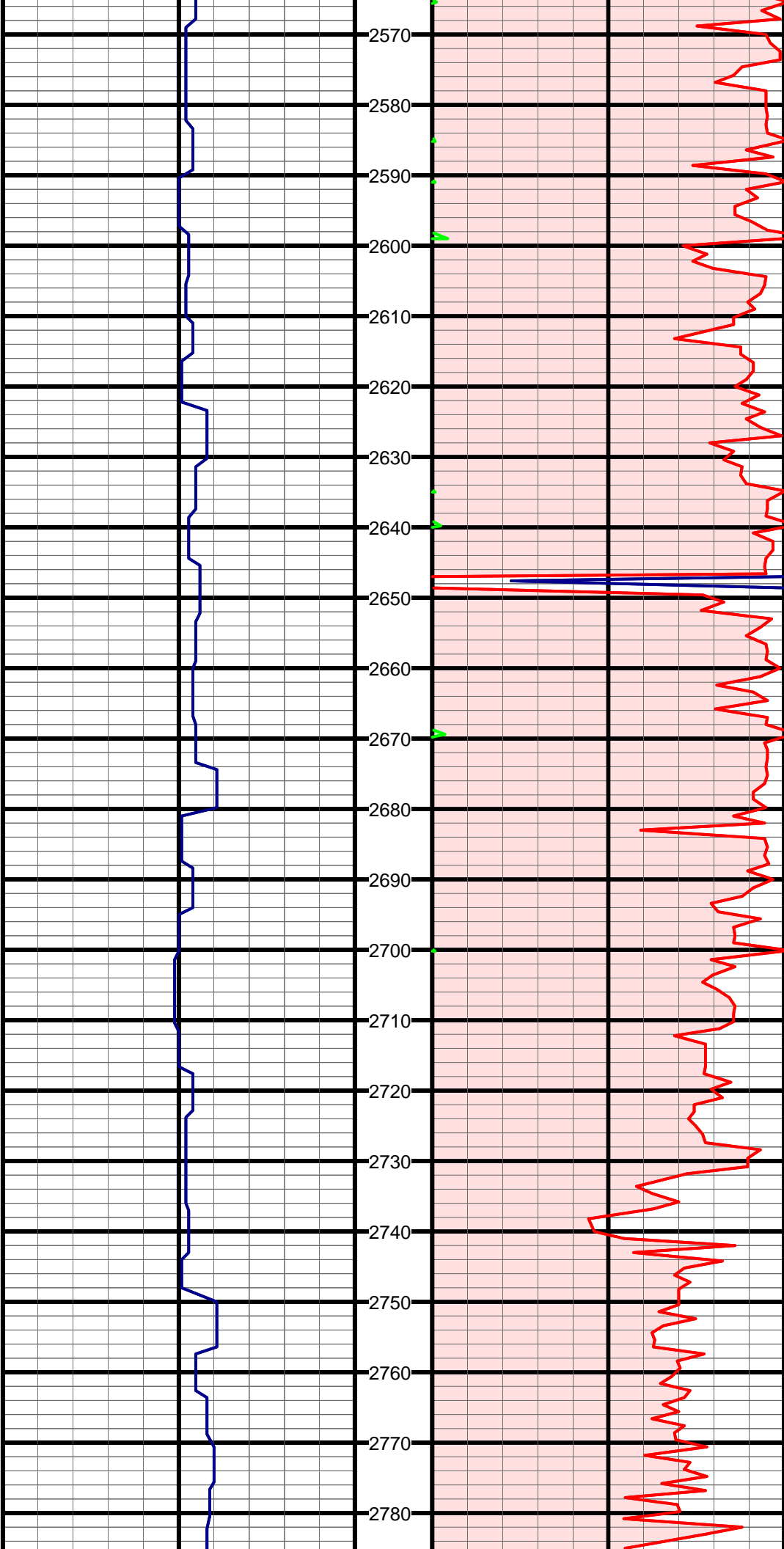
#7 TVD:2245.0 MD:2249.0 I:12.4 A:197.6 VS:-51.2

#8 TVD:2334.5 MD:2341.0 I:14.7 A:200.6 VS:-71.2



#9 TVD:2424.2 MD:2434.0 I:15.8 A:202.3 VS:-93.5

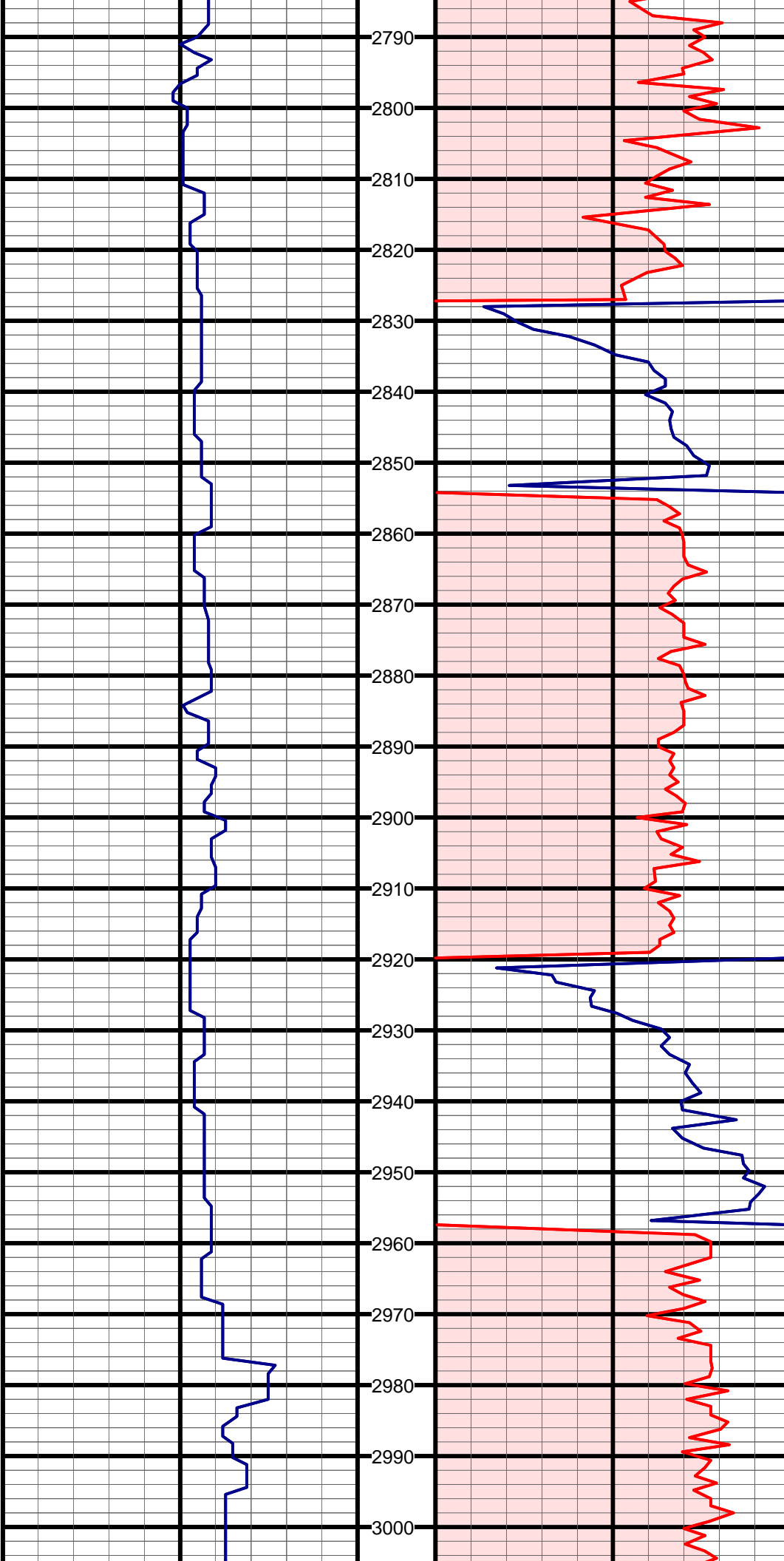
#10 TVD:2512.8 MD:2526.0 I:15.5 A:201.7 VS:-116.1



#11 TVD:2602.4 MD:2619.0 I:15.3 A:201.6 VS:-138.6

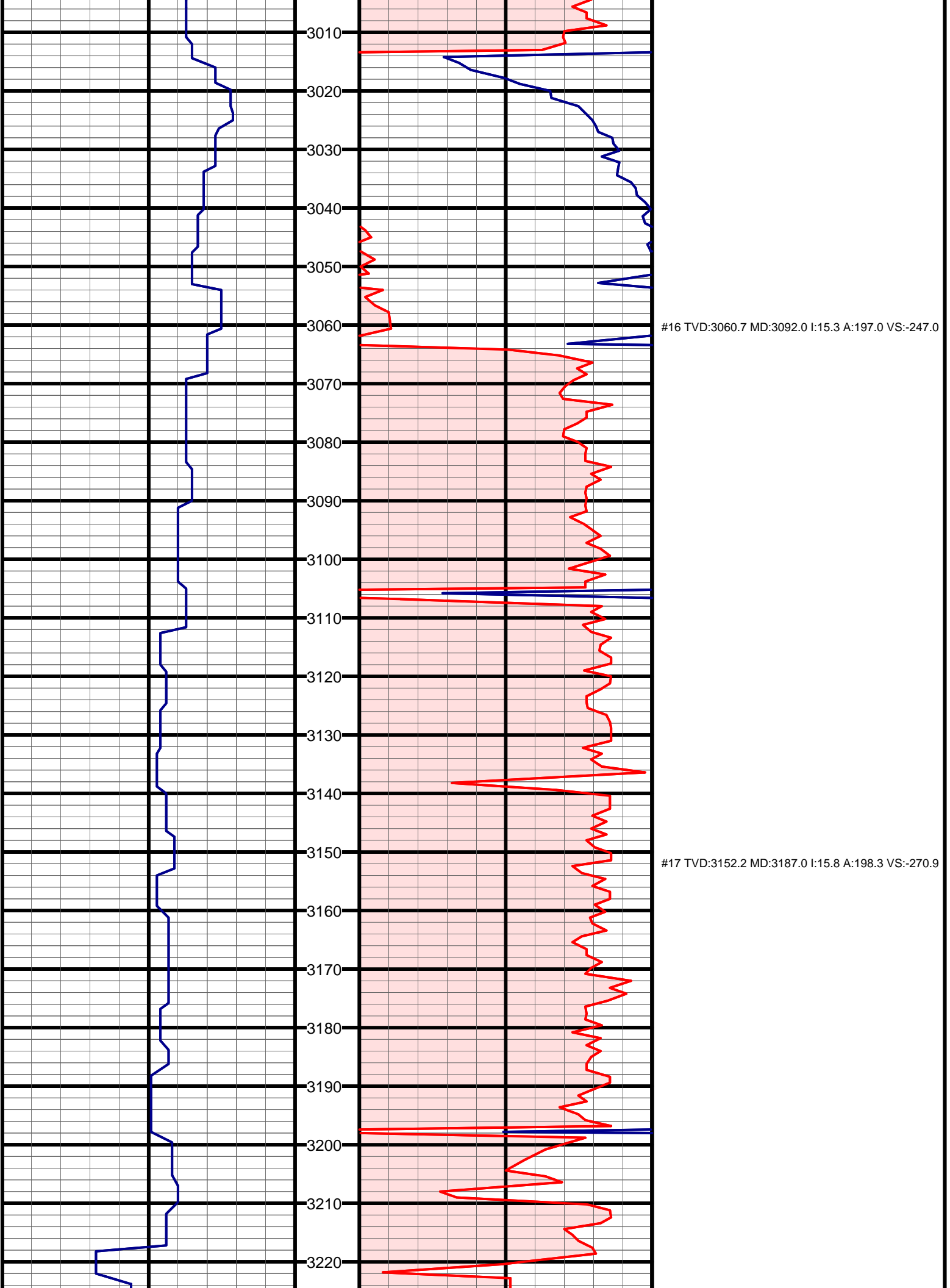
#12 TVD:2693.1 MD:2713.0 I:15.1 A:200.5 VS:-161.2

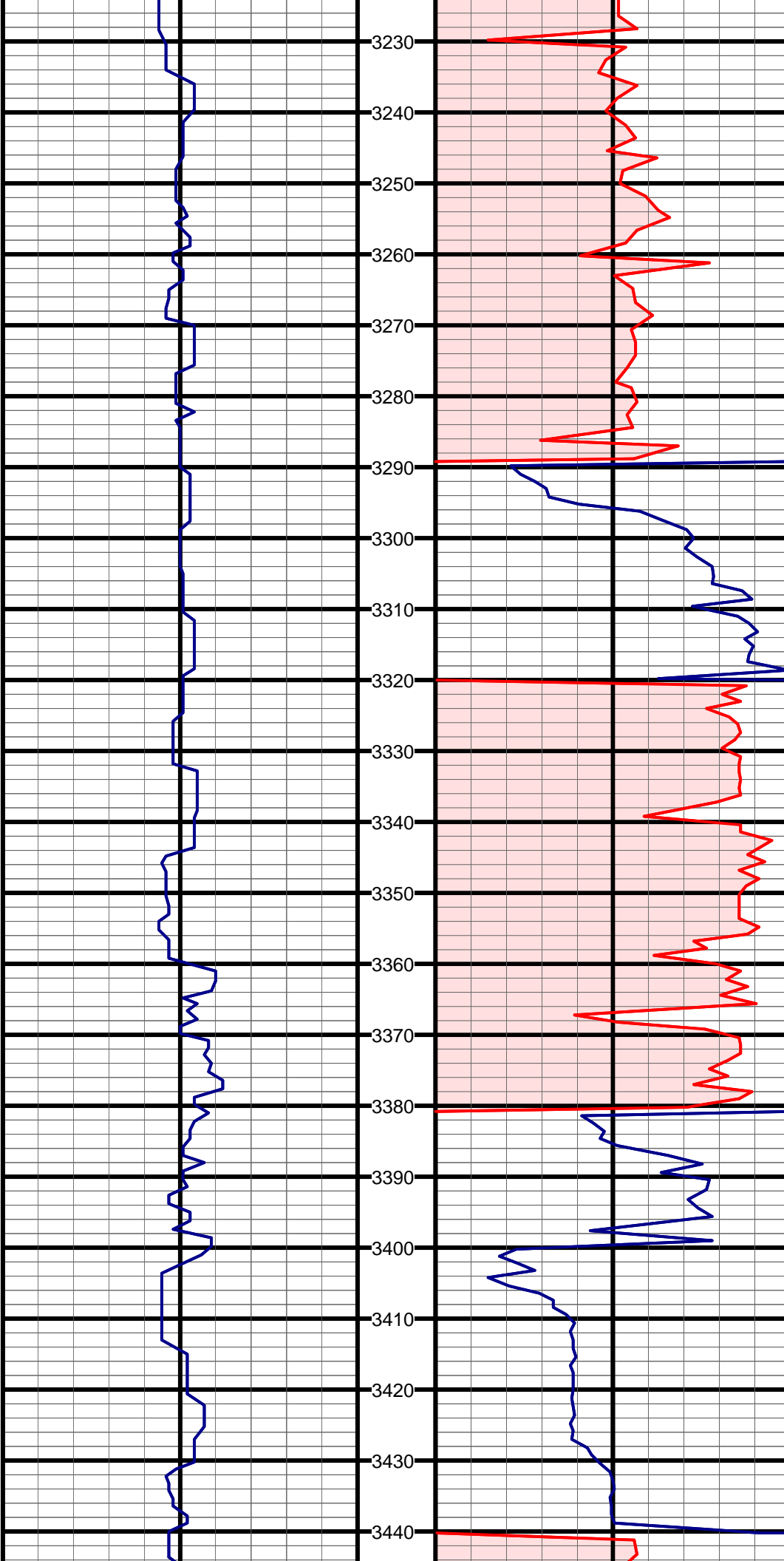
#13 TVD:2784.2 MD:2807.0 I:13.9 A:200.0 VS:-182.9



#14 TVD:2876.4 MD:2902.0 I:13.6 A:198.7 VS:-203.8

#15 TVD:2968.7 MD:2997.0 I:13.7 A:198.2 VS:-224.7

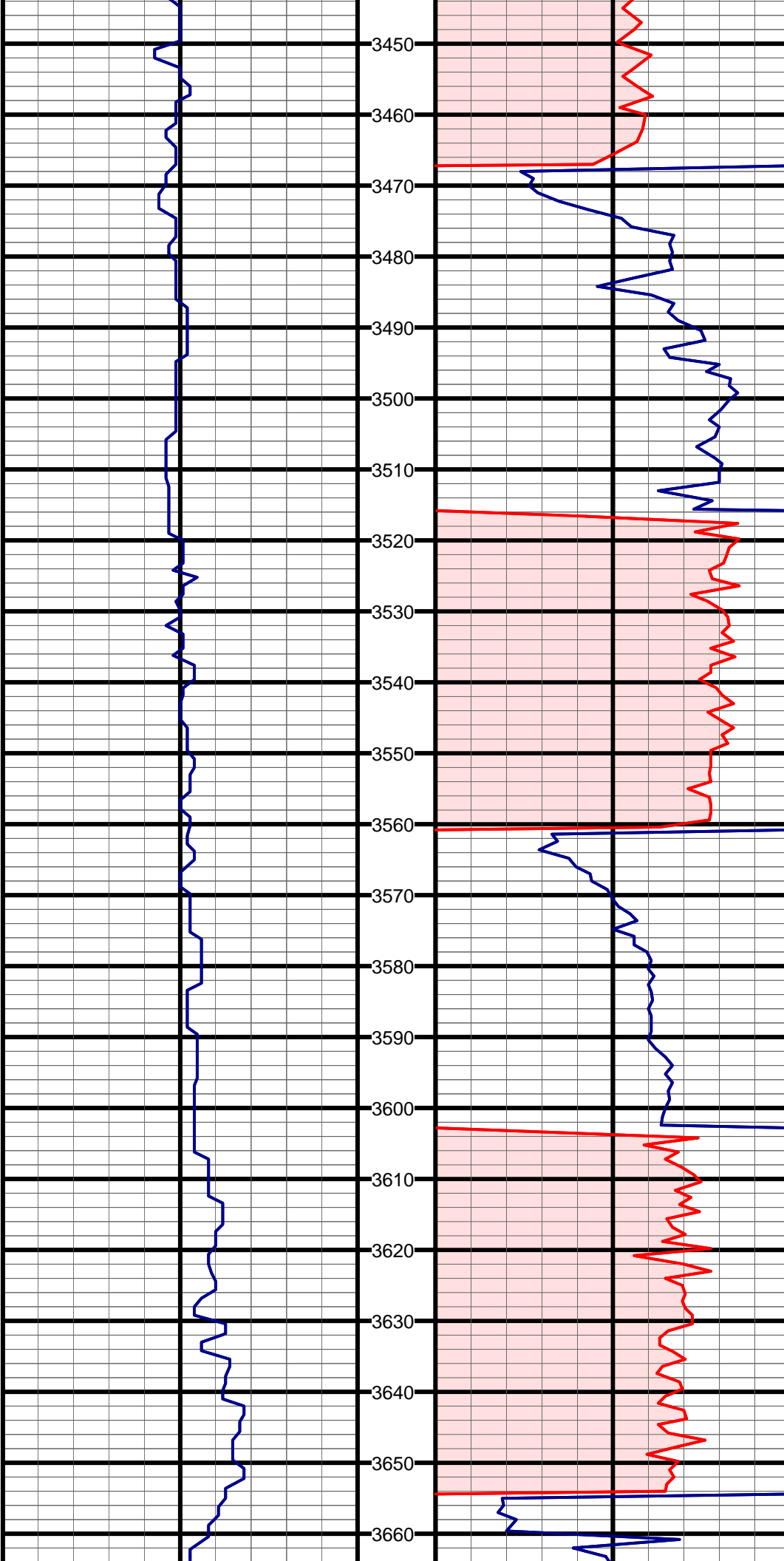




#18 TVD:3243.5 MD:3282.0 I:16.4 A:196.1 VS:-295.7

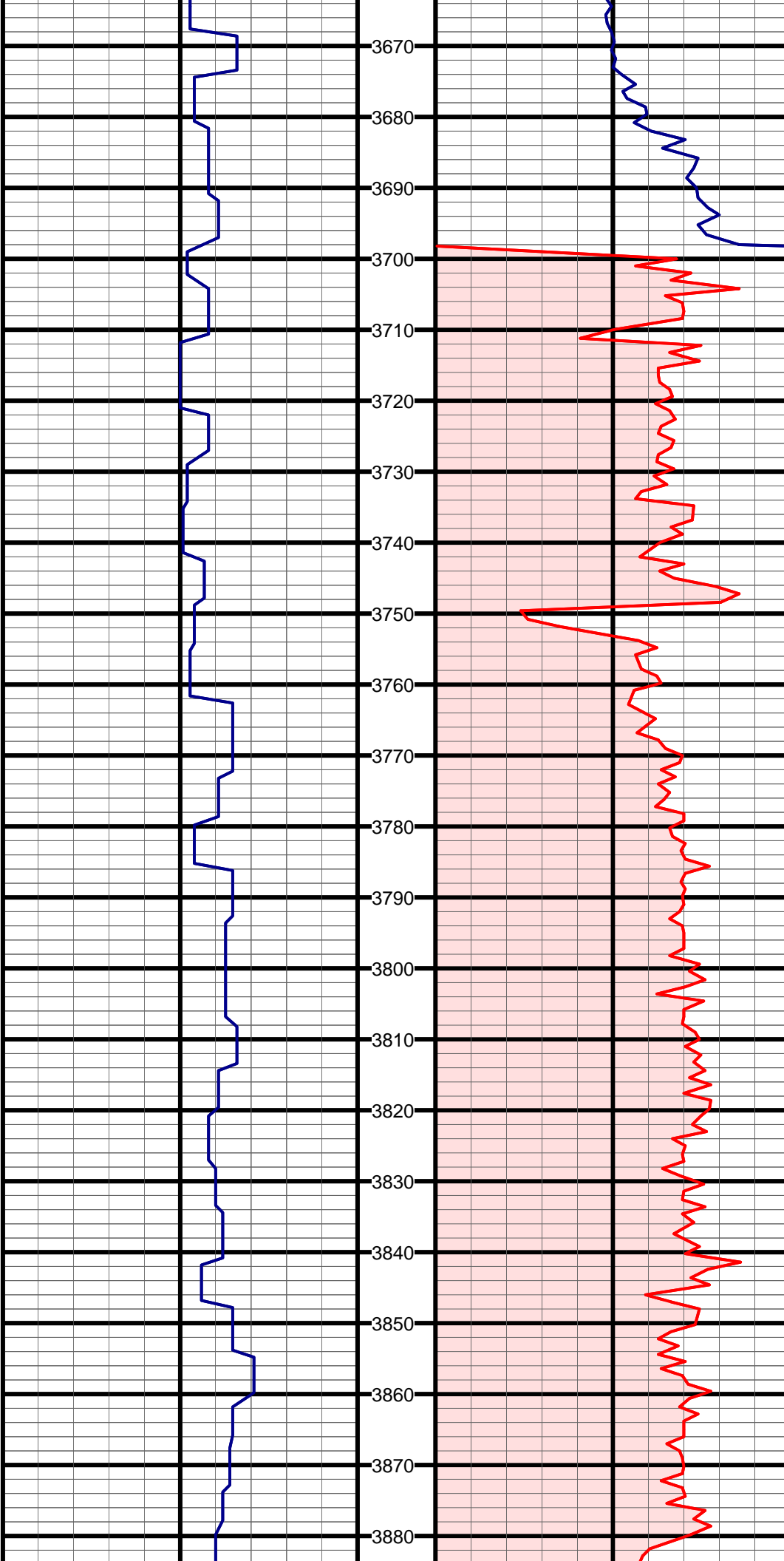
#19 TVD:3334.5 MD:3377.0 I:16.9 A:189.4 VS:-321.9

#20 TVD:3425.9 MD:3472.0 I:14.9 A:195.1 VS:-347.1



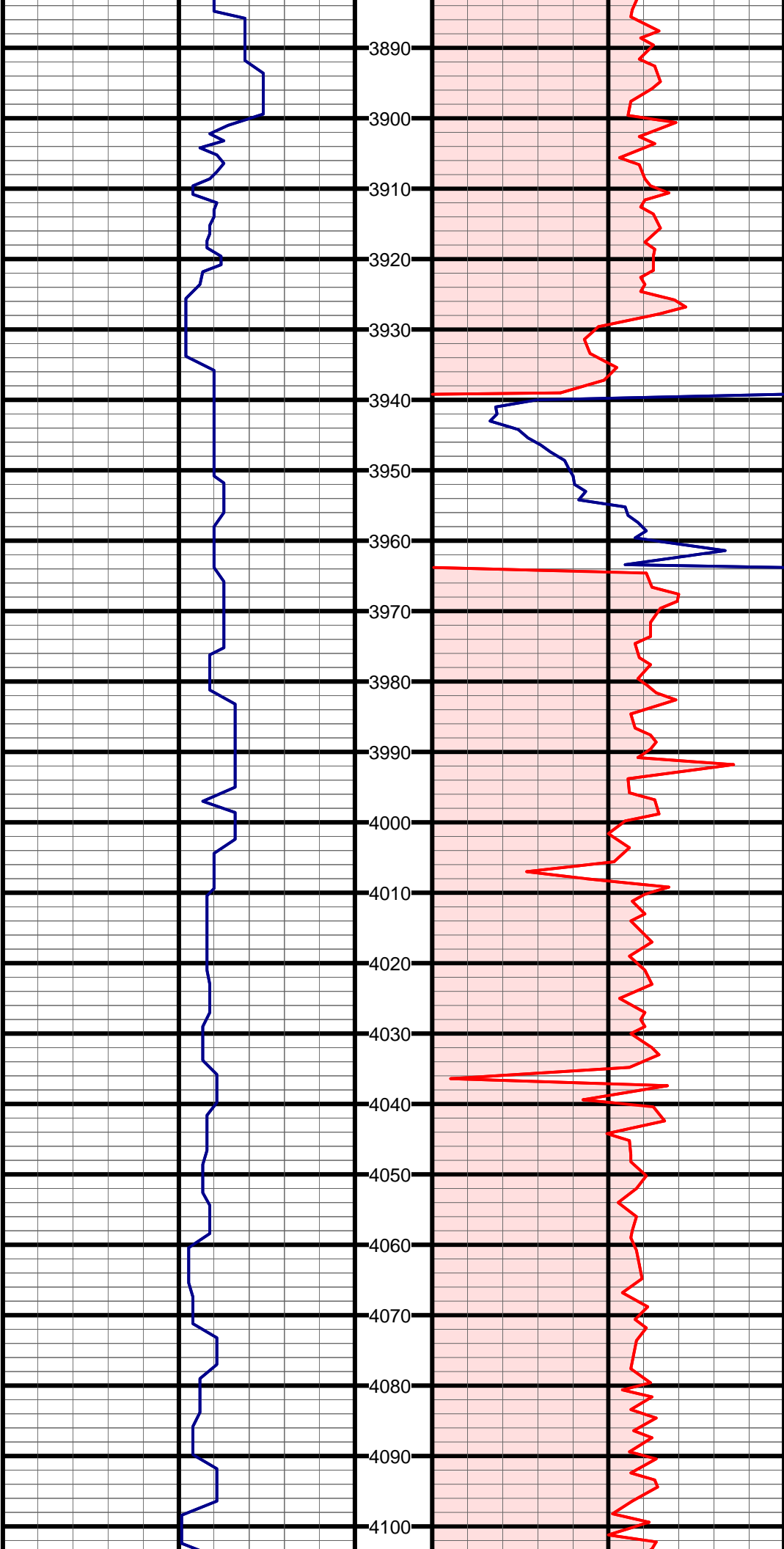
#21 TVD:3518.3 MD:3567.0 I:12.0 A:200.3 VS:-367.8

#22 TVD:3611.6 MD:3662.0 I:9.4 A:202.1 VS:-383.9



#23 TVD:3705.7 MD:3757.0 I:6.3 A:201.9 VS:-395.7

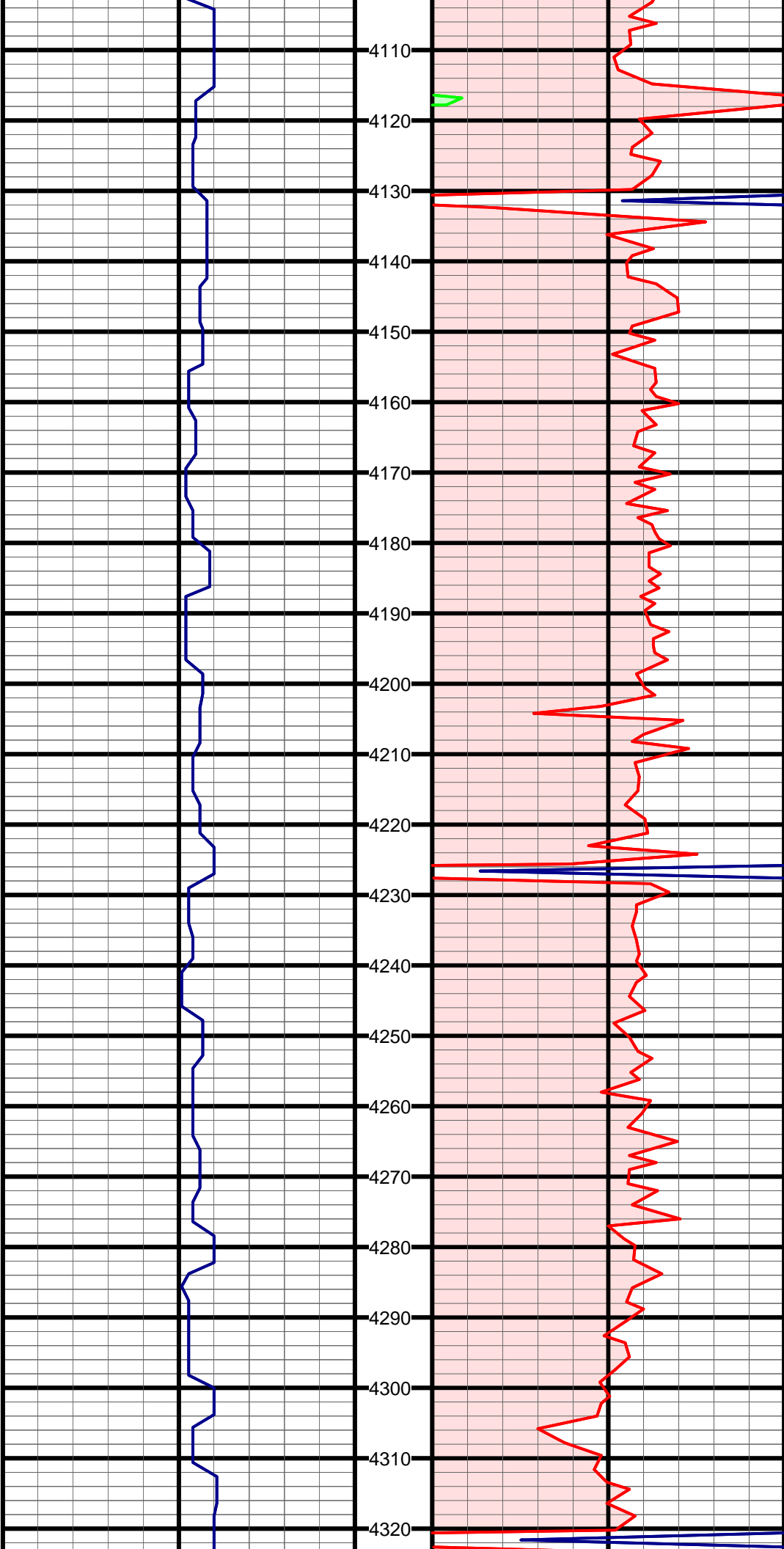
#24 TVD:3800.2 MD:3852.0 I:5.7 A:197.3 VS:-404.9



#25 TVD:3894.8 MD:3947.0 I:5.2 A:188.1 VS:-413.6

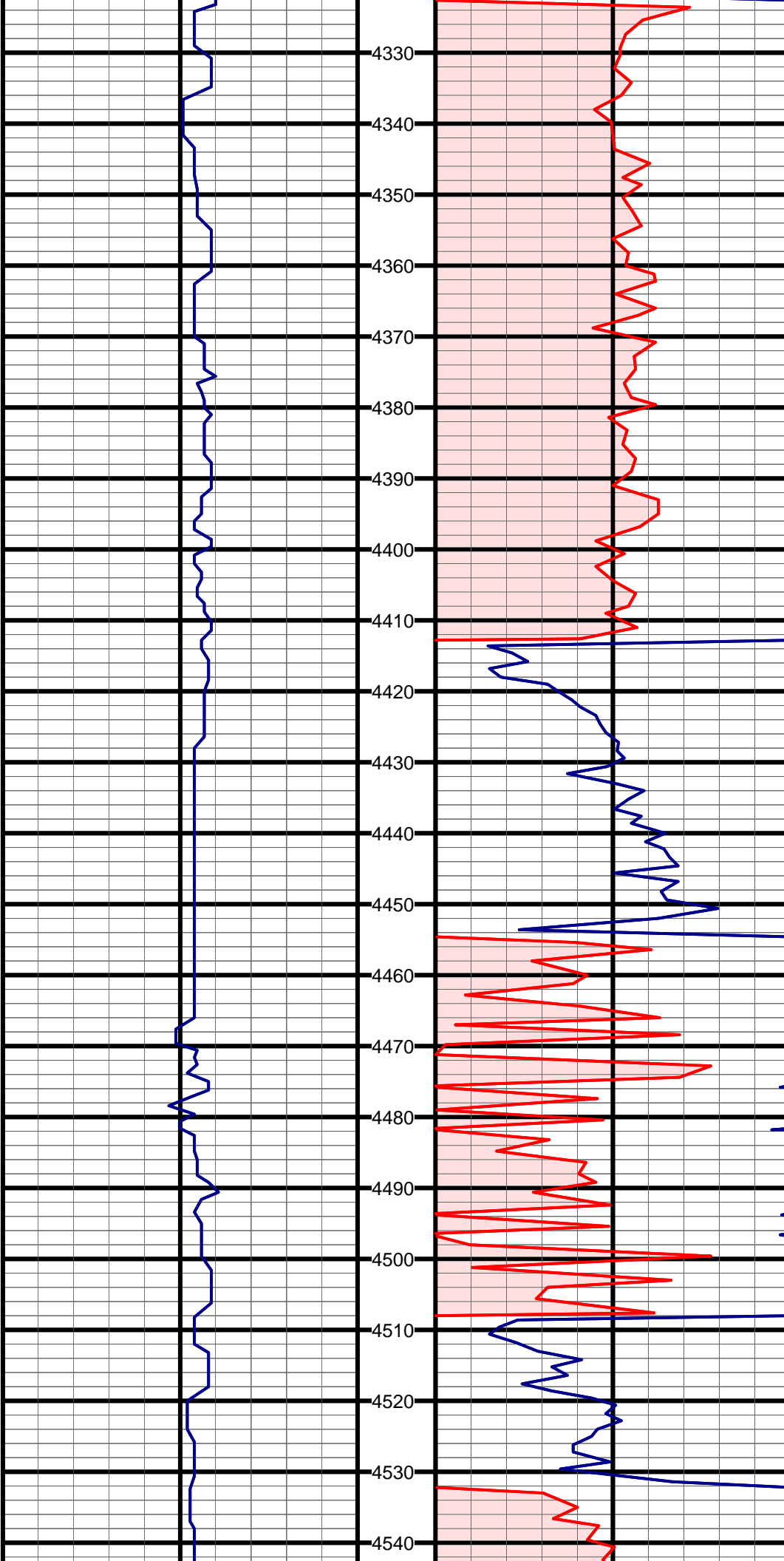
#26 TVD:3989.4 MD:4042.0 I:5.5 A:198.1 VS:-422.1

#27 TVD:4083.0 MD:4136.0 I:4.7 A:199.1 VS:-429.9



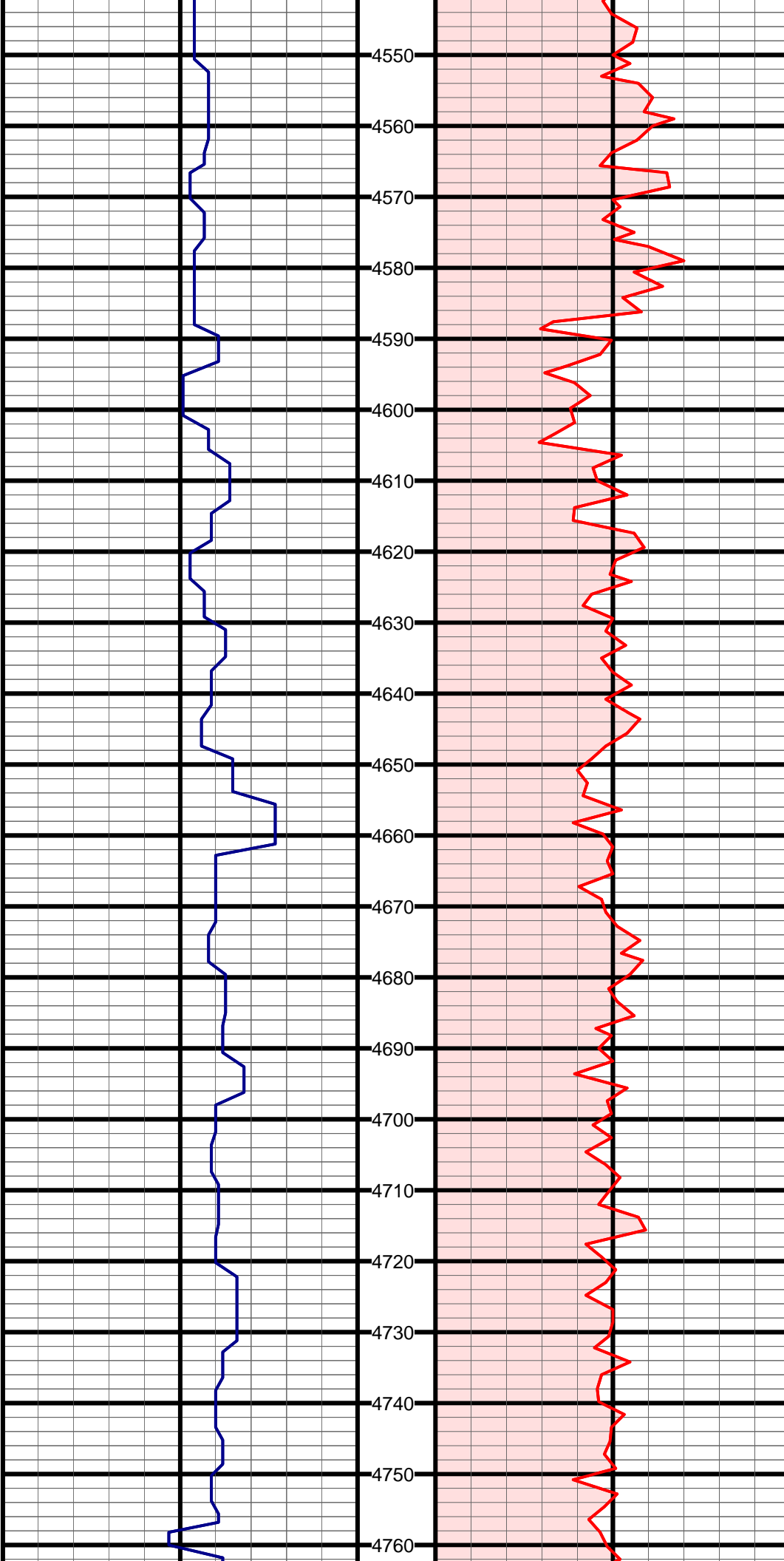
#28 TVD:4177.7 MD:4231.0 I:4.0 A:200.7 VS:-436.5

#29 TVD:4272.5 MD:4326.0 I:3.3 A:197.7 VS:-442.1



#30 TVD:4367.4 MD:4421.0 I:2.4 A:157.6 VS:-446.6

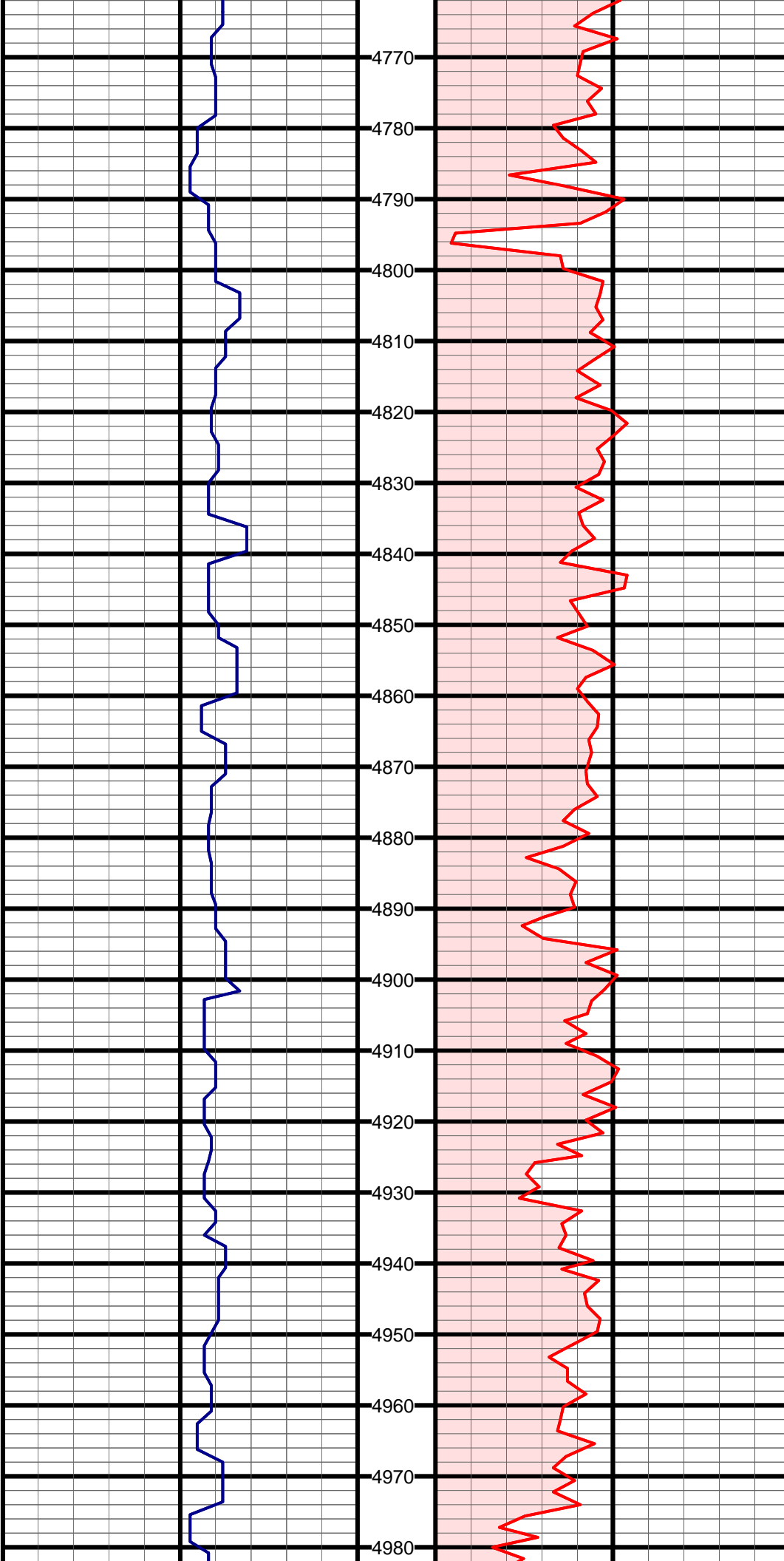
#31 TVD:4462.4 MD:4516.0 I:0.2 A:347.4 VS:-448.3



#32 TVD:4557.4 MD:4611.0 I:1.3 A:340.0 VS:-447.1

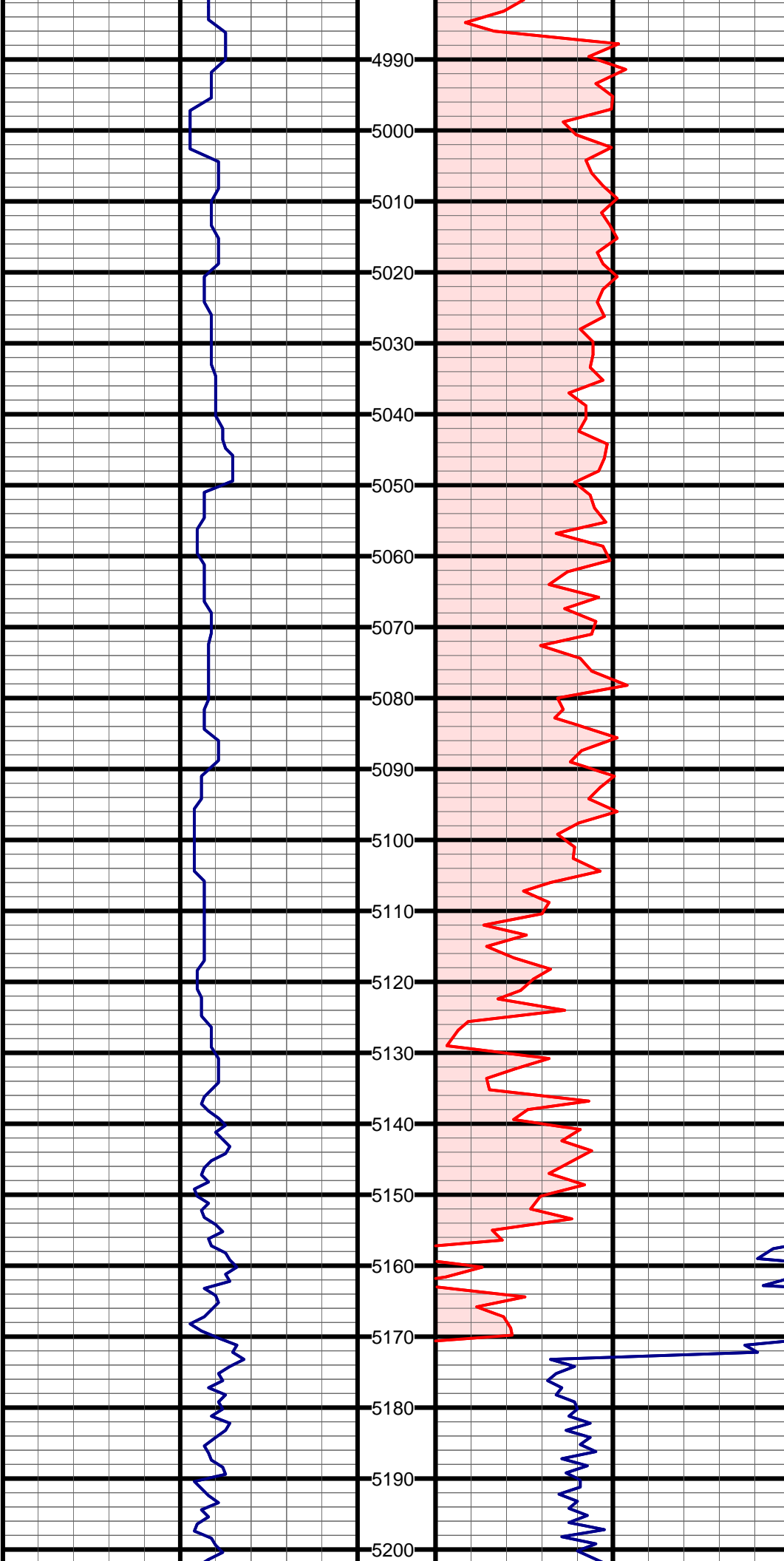
#33 TVD:4652.4 MD:4706.0 I:1.7 A:307.5 VS:-445.1

#34 TVD:4747.3 MD:4801.0 I:0.7 A:263.8 VS:-444.3



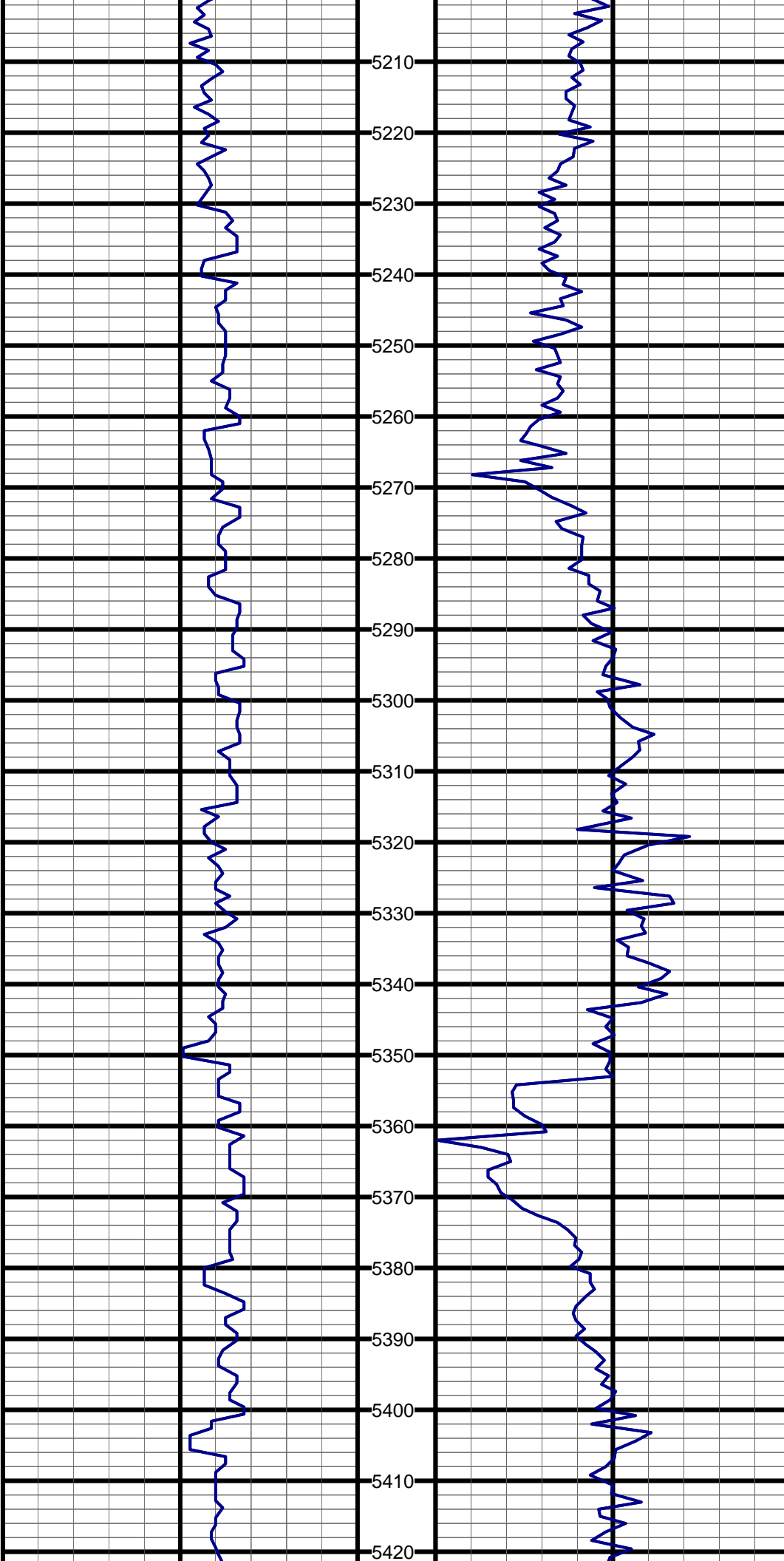
#35 TVD:4842.3 MD:4896.0 I:0.4 A:237.7 VS:-444.5

#36 TVD:4937.3 MD:4991.0 I:0.4 A:146.9 VS:-444.9



#37 TVD:5032.3 MD:5086.0 I:0.2 A:105.9 VS:-445.3

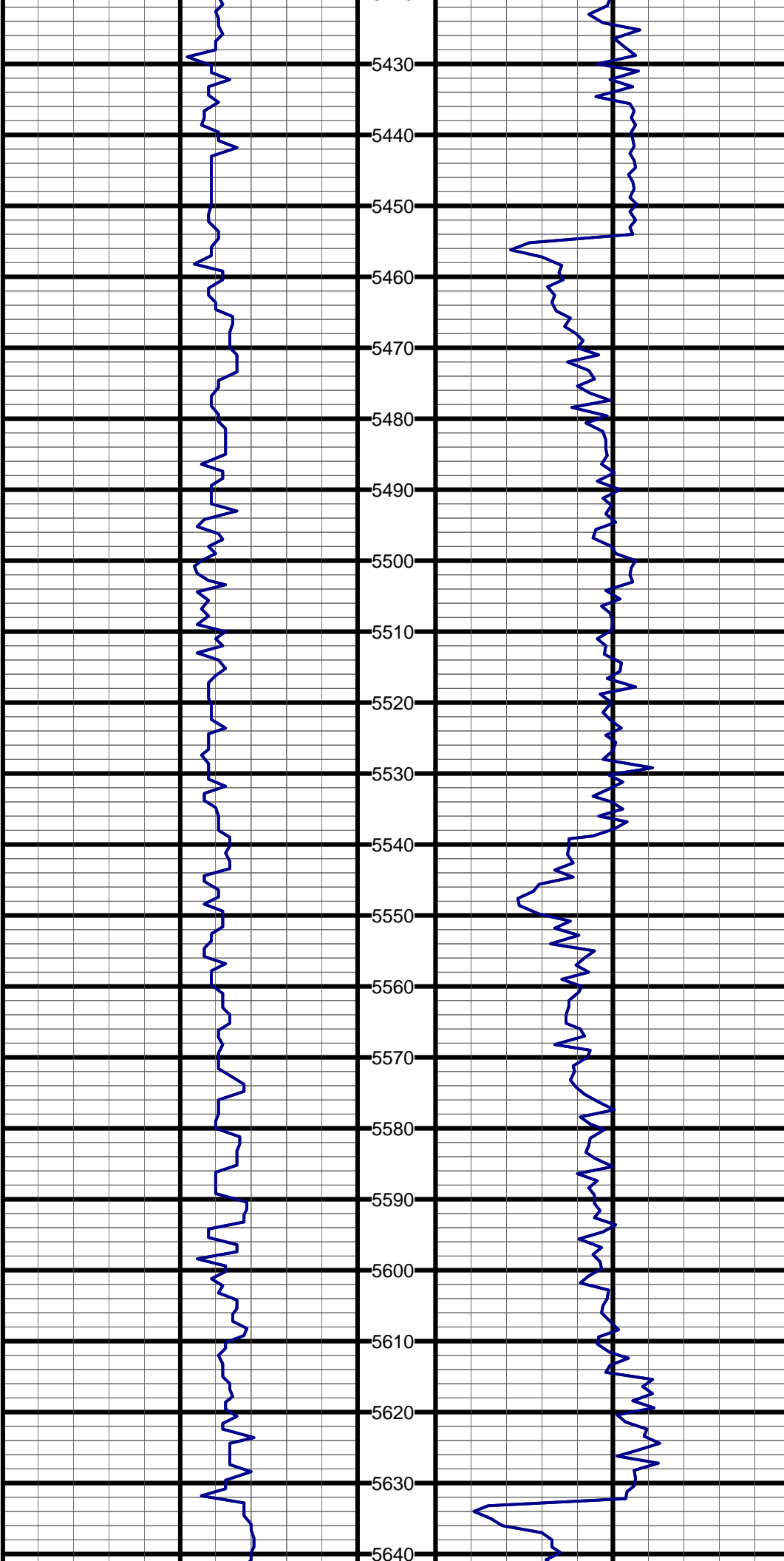
#38 TVD:5127.3 MD:5181.0 I:0.1 A:96.2 VS:-445.3



#39 TVD:5222.3 MD:5276.0 I:0.1 A:50.0 VS:-445.3

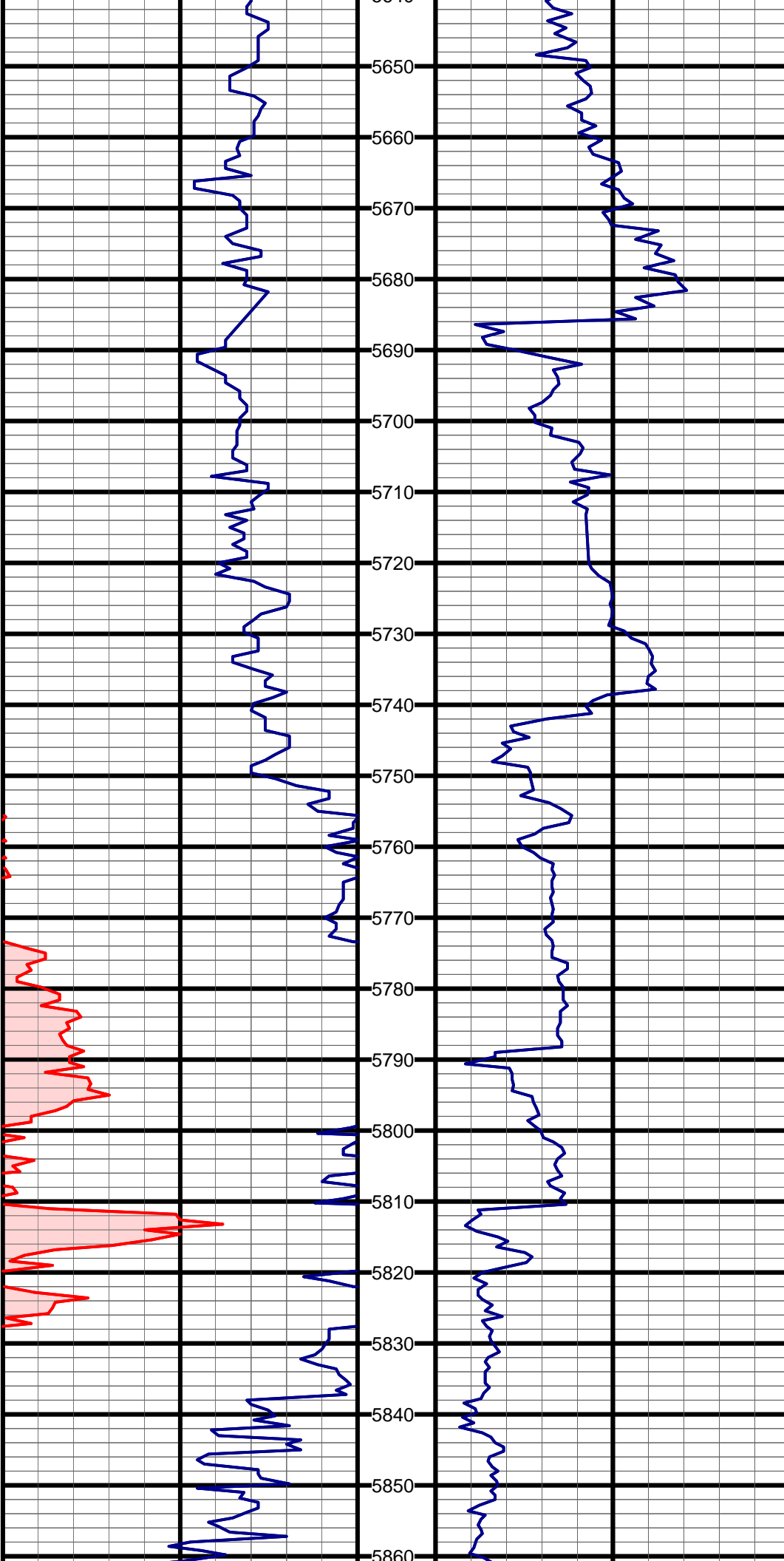
#40 TVD:5317.0 MD:5371.0 I:8.4 A:351.2 VS:-438.3

#41 TVD:5410.4 MD:5466.0 I:12.7 A:356.6 VS:-421.0



#42 TVD:5502.0 MD:5561.0 I:17.6 A:6.2 VS:-396.3

#43 TVD:5590.5 MD:5656.0 I:25.0 A:359.2 VS:-362.0

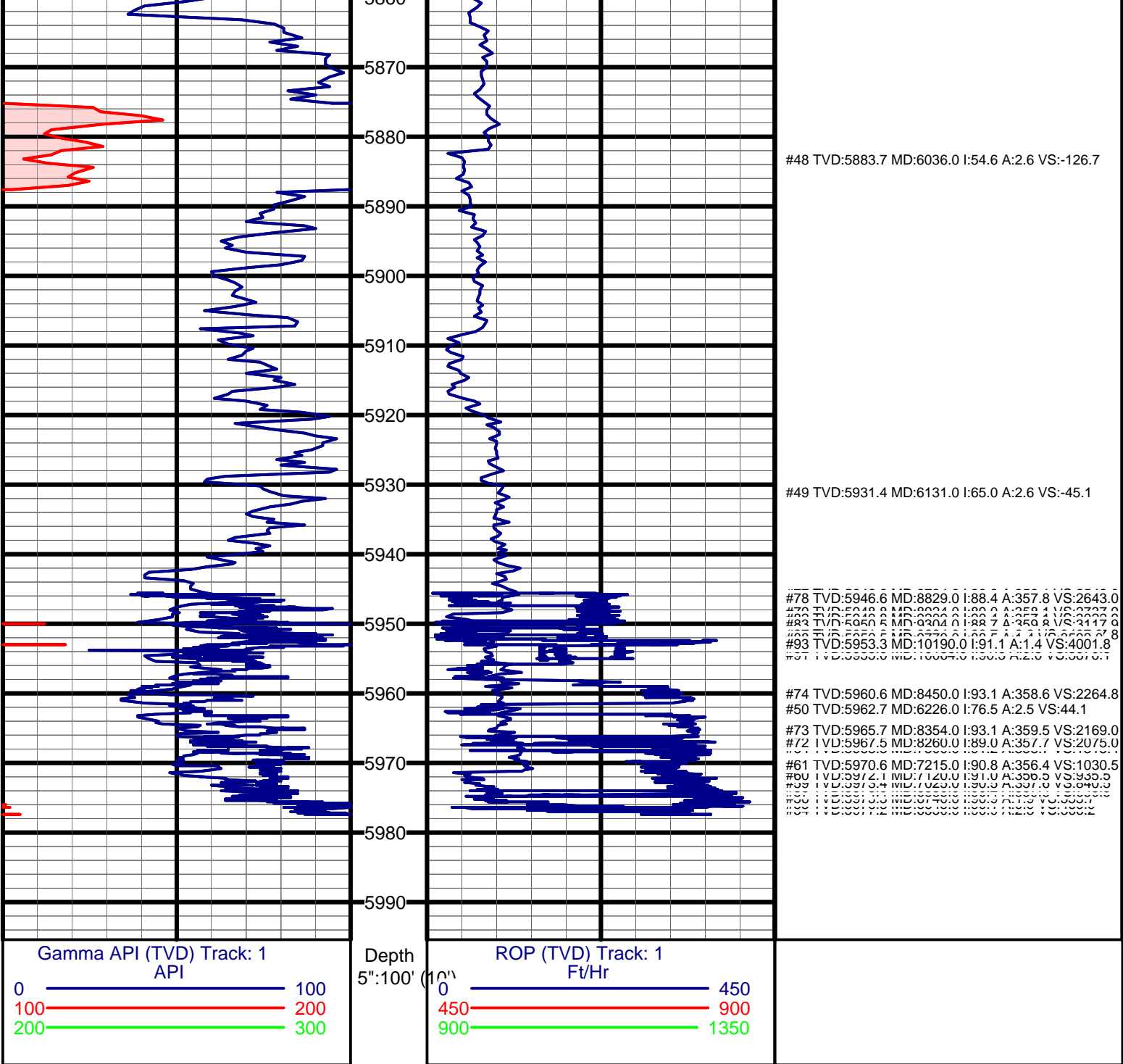


#44 TVD:5673.9 MD:5751.0 I:32.2 A:356.9 VS:-316.6

#45 TVD:5751.5 MD:5846.0 I:38.1 A:355.2 VS:-261.9

#46 TVD:5822.4 MD:5941.0 I:45.3 A:2.0 VS:-198.9

#47 TVD:5852.9 MD:5986.0 I:49.4 A:3.3 VS:-165.9





Castor LG 10-72 HN Final 2" TVD

(Scale: 2":100' (100'))

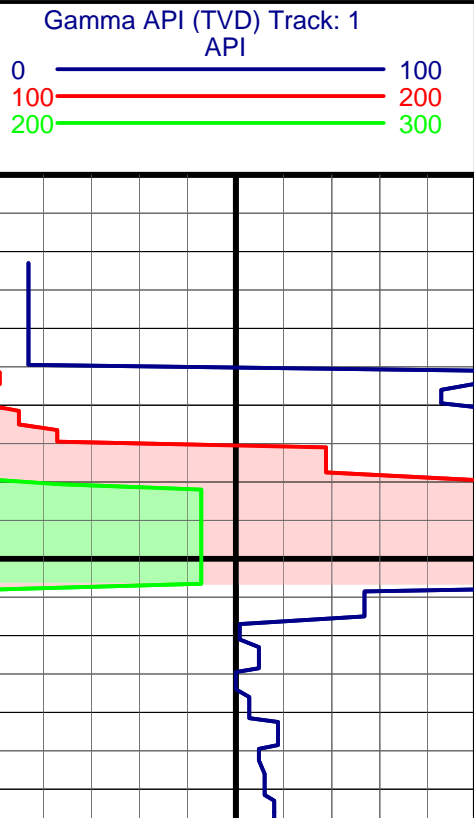
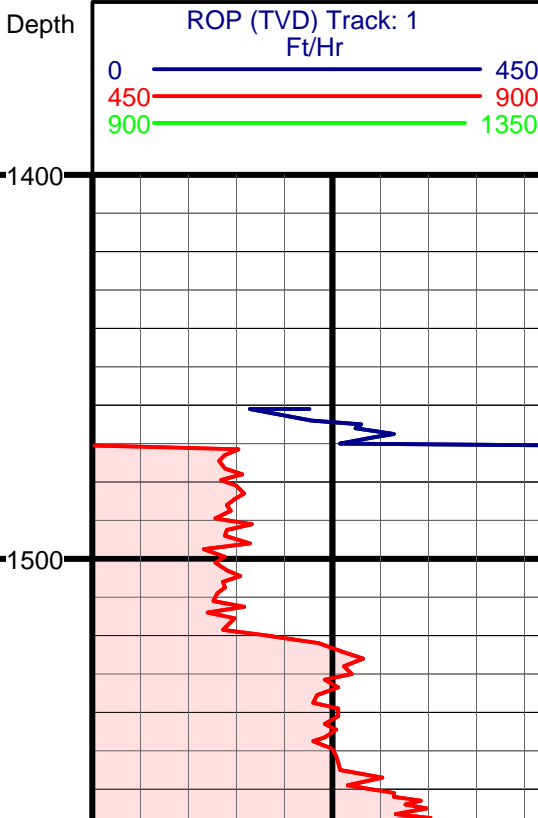
Company: Noble Energy Inc. State: CO
Well: Castor LG 10-72 HN County: Weld
Field: Wattenberg Country: USA
Well ID: 05-123-33436
Job Number: RM-12757
Location: Sec 10, T8N, R59W, 6th P.M.
Operator 1: W. Barham Elev KB: 4,796'
Operator 2: R. Kubistek Elev DF:
Elev GL: 4,766'

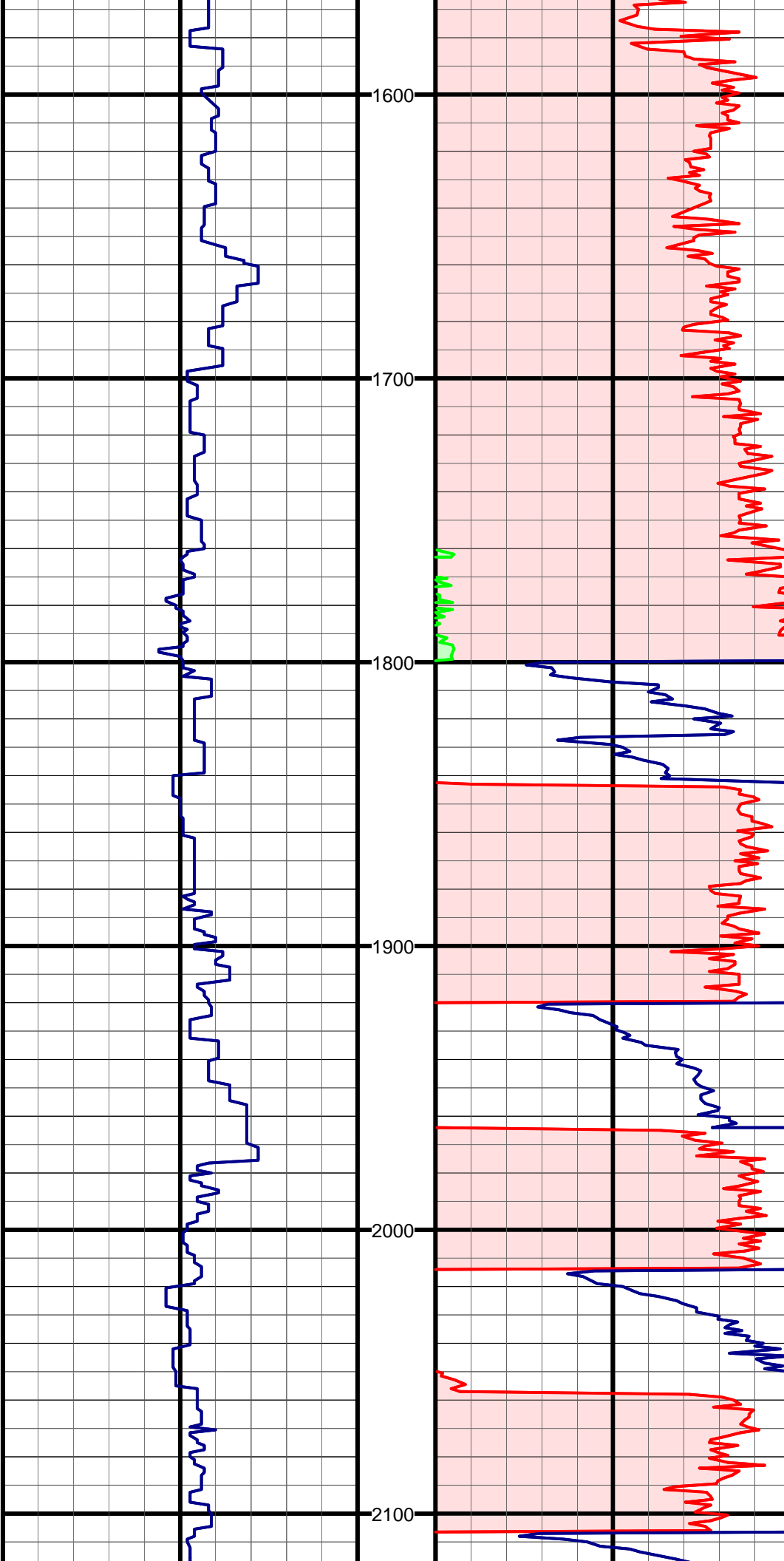
Comment 1: Final 2" TVD Gamma Log
Comment 2: Tie Into Surface Casing At 1,460'
Comment 3:
Comment 4:
Comment 5:

Hole Data			Casing Record		
Size	From	To	Size	From	To
13.750"	0'	1,460'	9.625"	0'	1,460'
8.750"	1,460'	5,226'	7.000"	1,460'	5,226'
6.125"	5,226'	10,235'	4.500"	5,226'	10,235'

Tool Run Data		Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	0122	0122	0122			
Cal Factor	3.0	3.0	1.8			
Gamma Offset	38'	38'	38'			
Start Depth	1,460'	5,226'	6,366'			
Start Date	14 Oct 2012	15 Oct 2012	17 Oct 2012			
Start Time	10:00	10:20	12:10			
End Depth	5,226'	6,366'	10,235'			
End Date	15 Oct 2012	16 Oct 2012	20 Oct 2012			
End Time	08:50	12:45	02:00			

#0 TVD:1460.0 MD:1460.0 I:0.0 A:0.0 VS:0.0
#1 TVD:1502.0 MD:1502.0 I:0.2 A:118.9 VS:-0.0



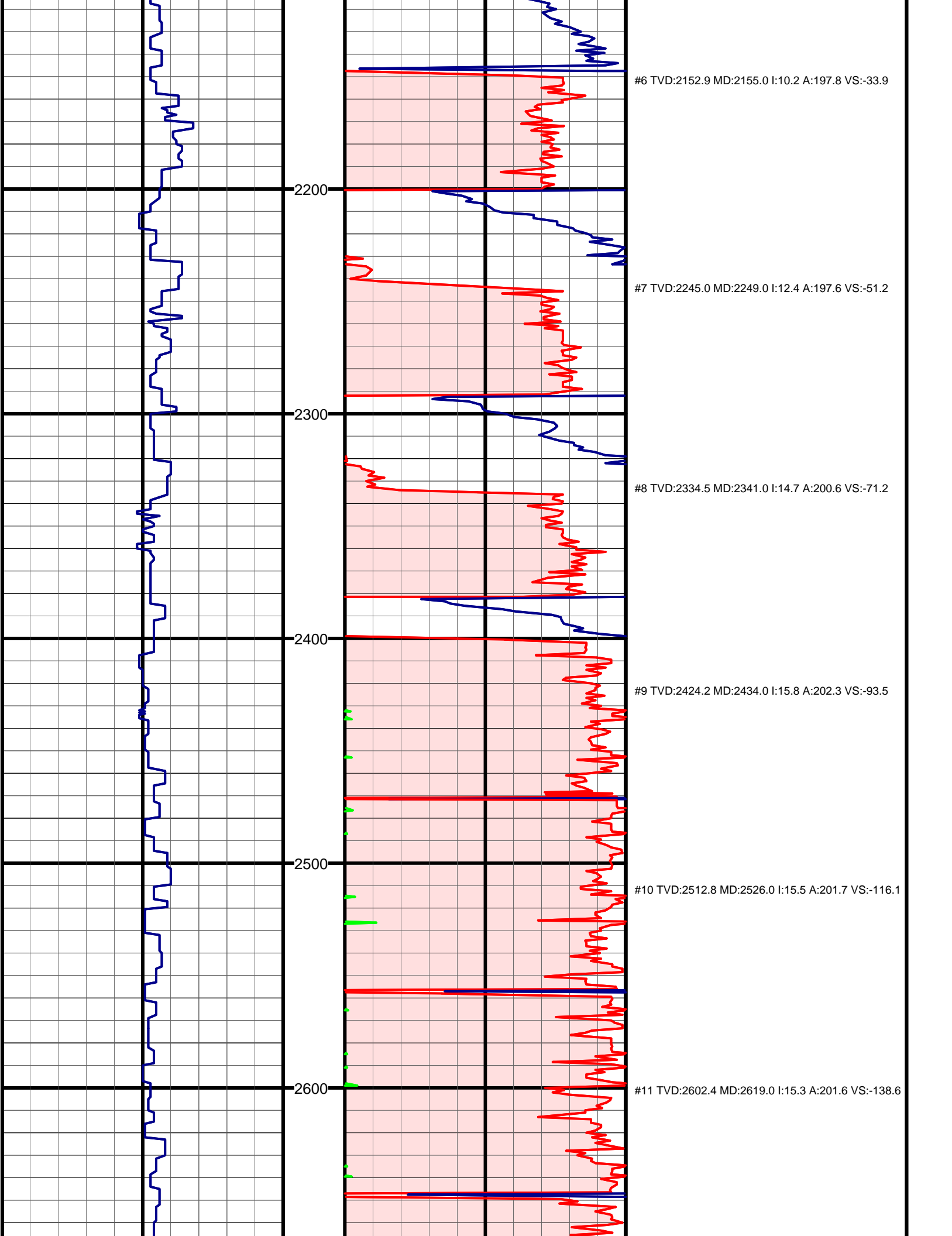


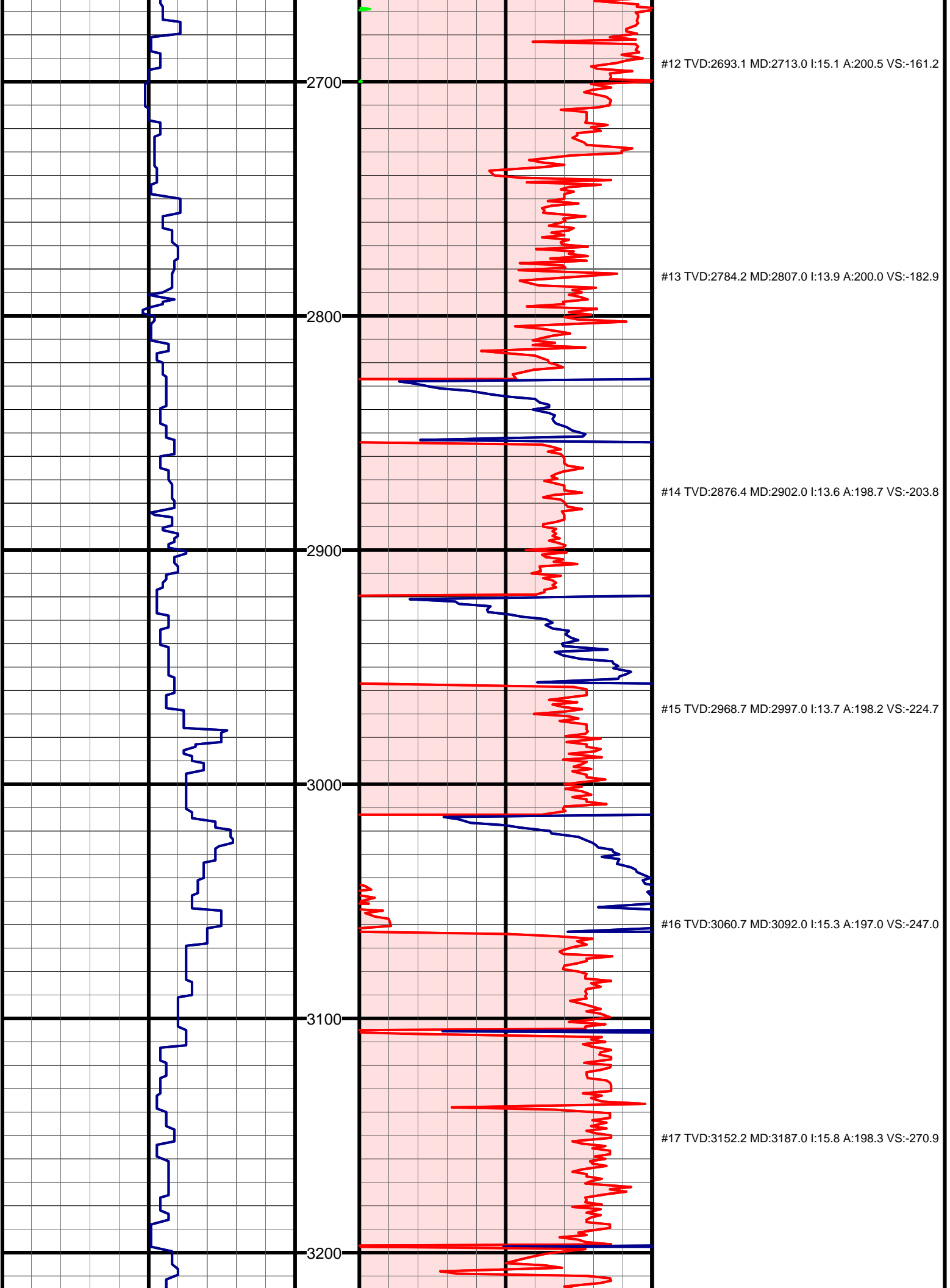
#2 TVD:1782.0 MD:1782.0 I:0.9 A:231.0 VS:-1.6

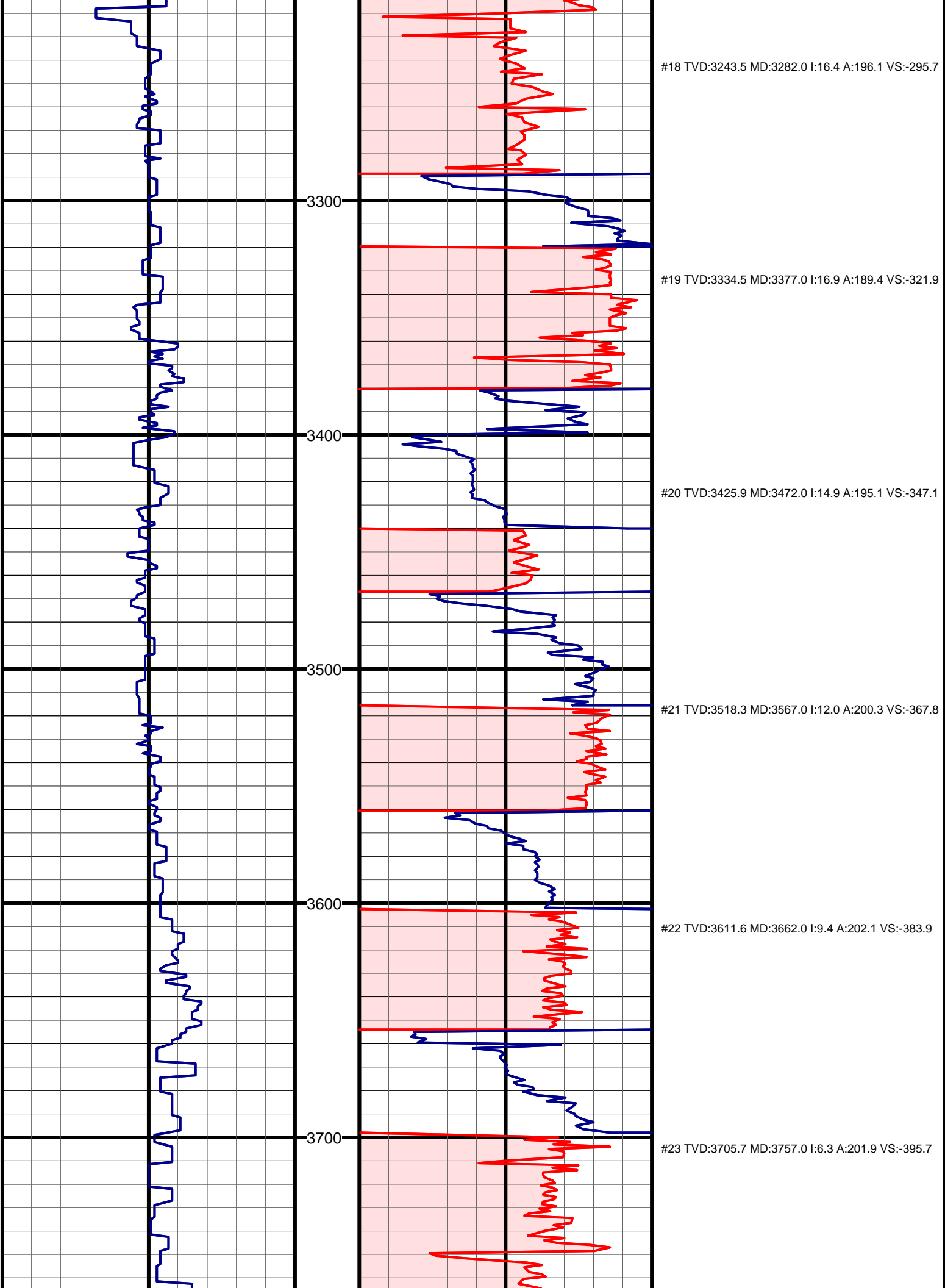
#3 TVD:1875.9 MD:1876.0 I:2.8 A:215.0 VS:-3.9

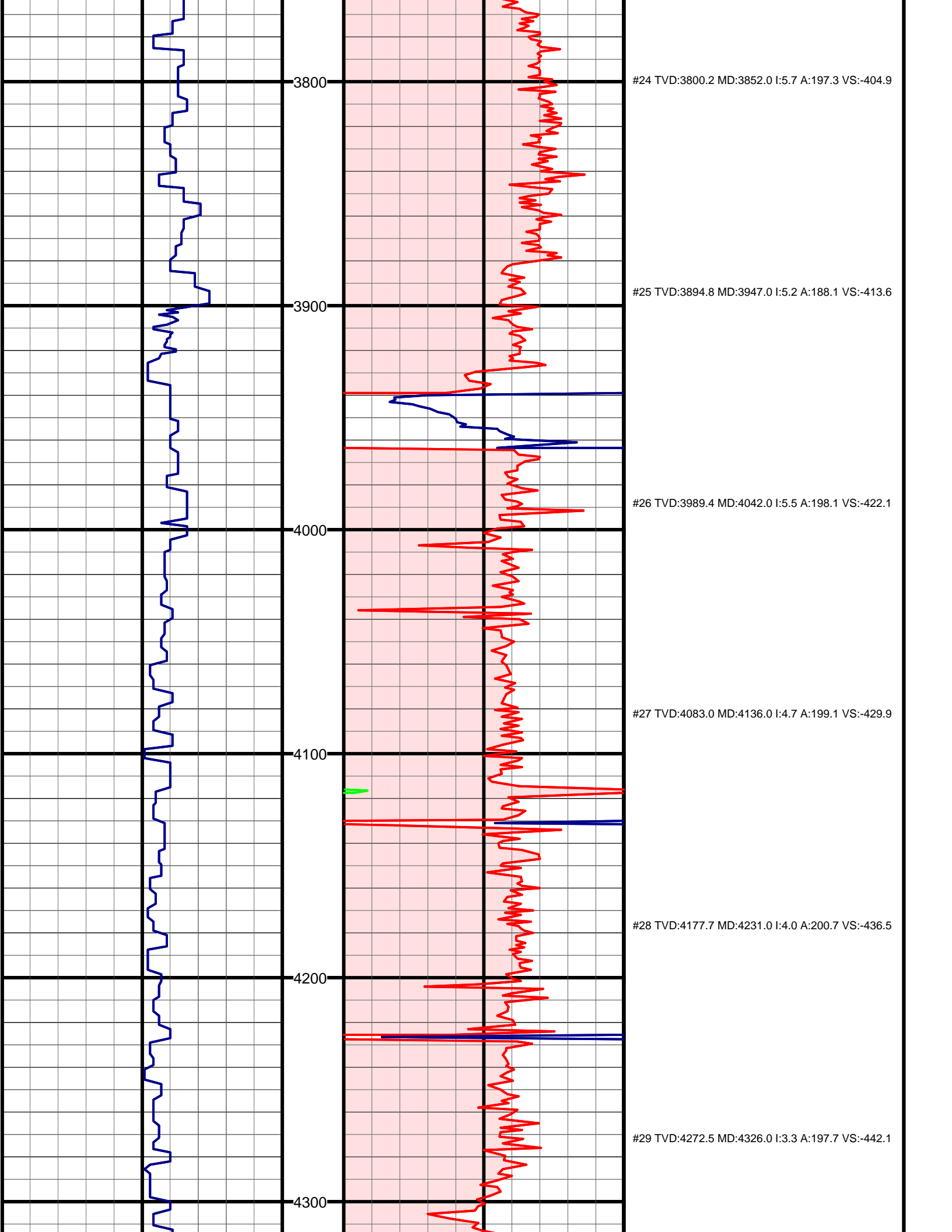
#4 TVD:1969.7 MD:1970.0 I:5.4 A:199.0 VS:-9.8

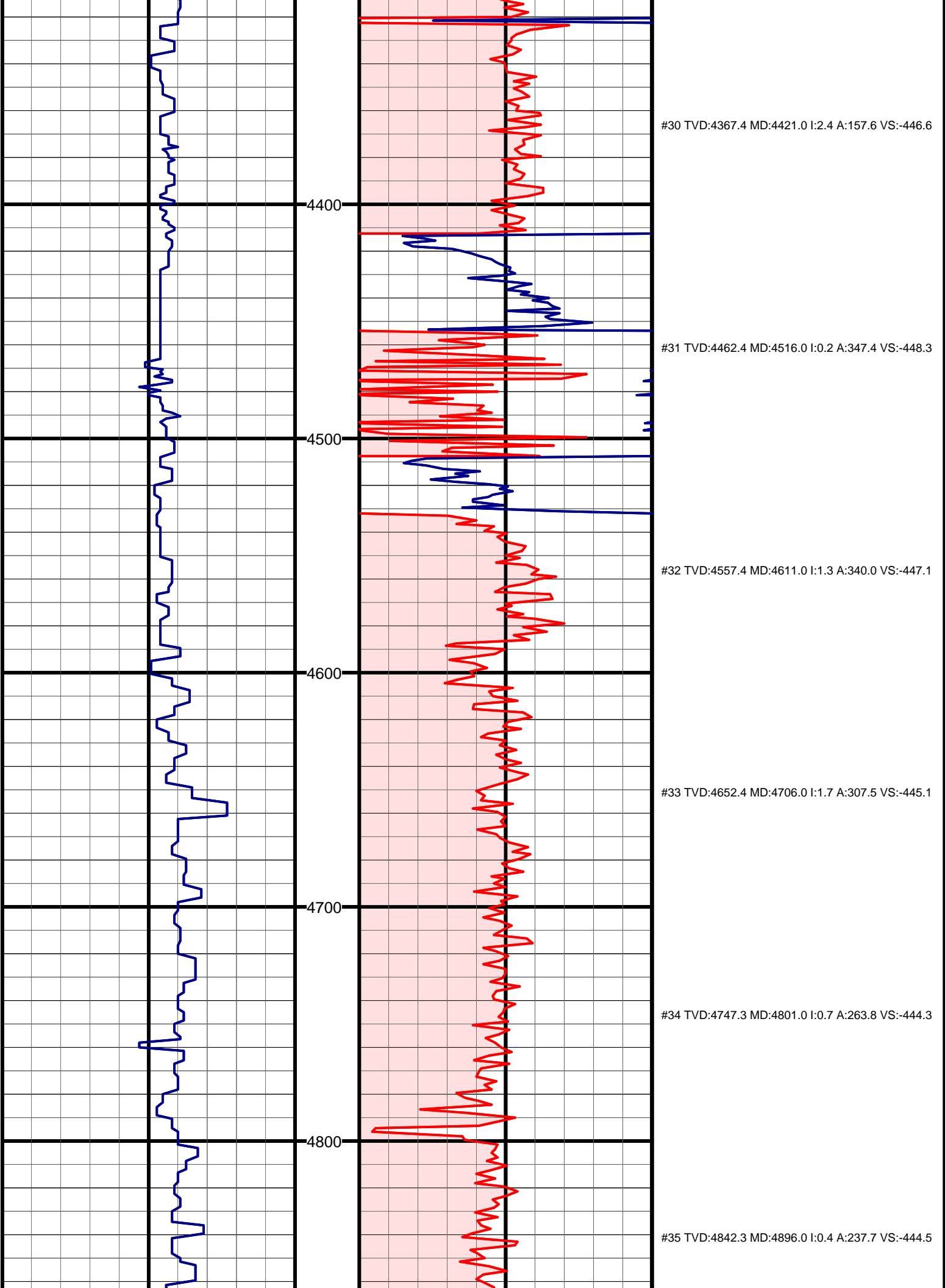
#5 TVD:2061.0 MD:2062.0 I:8.1 A:195.3 VS:-20.0

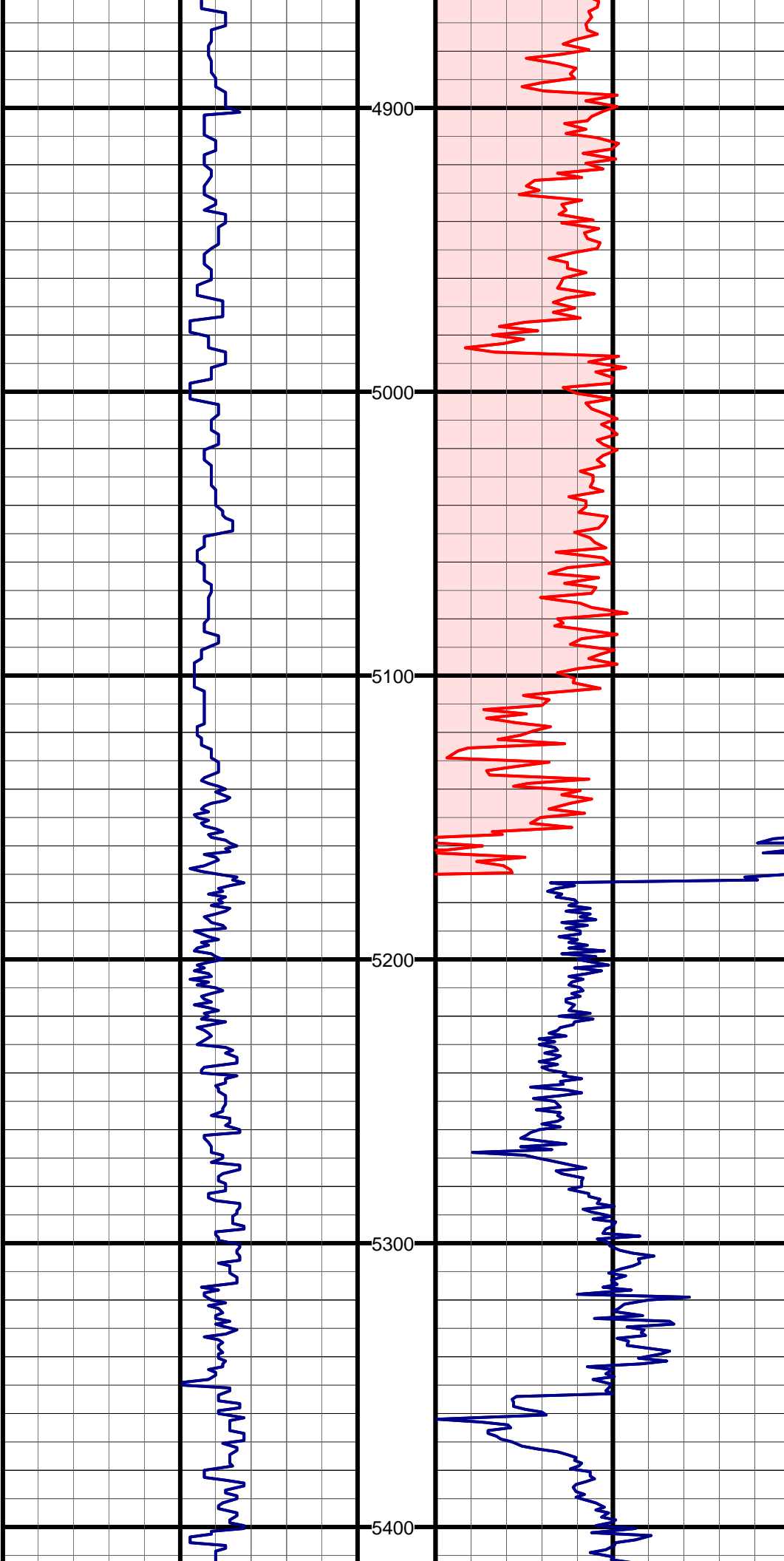












#36 TVD:4937.3 MD:4991.0 I:0.4 A:146.9 VS:-444.9

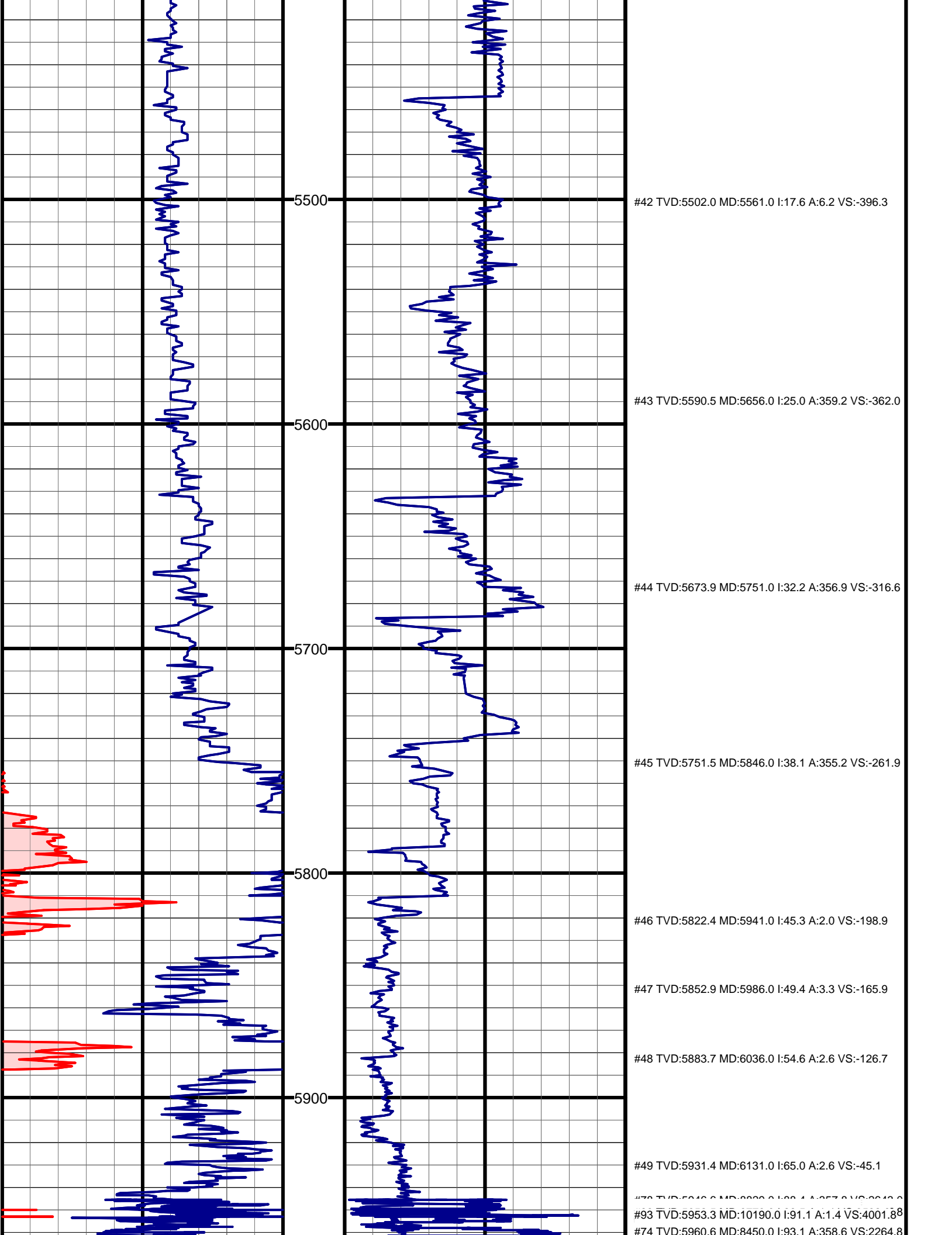
#37 TVD:5032.3 MD:5086.0 I:0.2 A:105.9 VS:-445.3

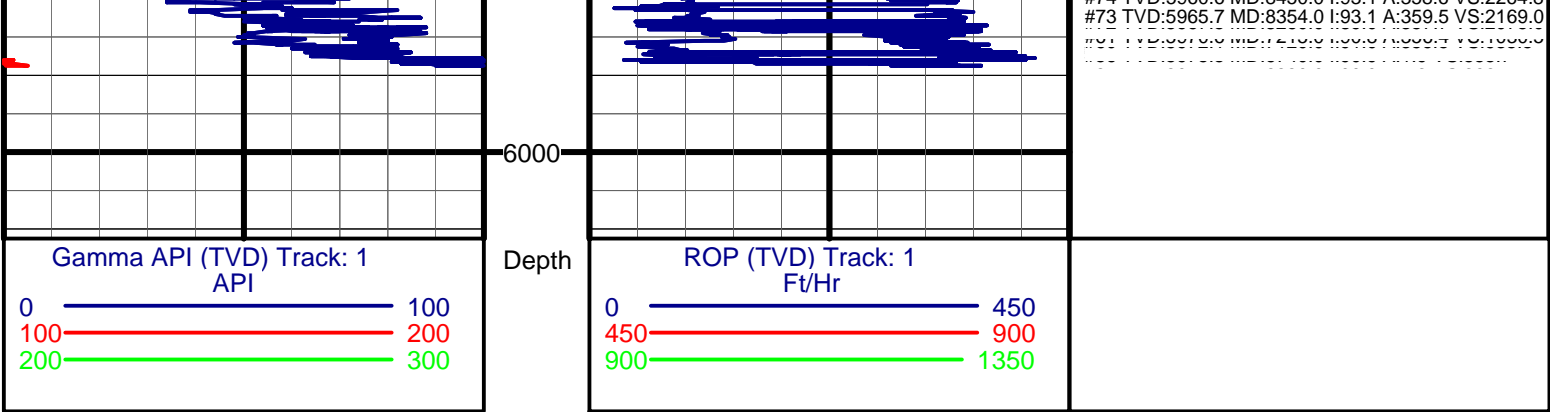
#38 TVD:5127.3 MD:5181.0 I:0.1 A:96.2 VS:-445.3

#39 TVD:5222.3 MD:5276.0 I:0.1 A:50.0 VS:-445.3

#40 TVD:5317.0 MD:5371.0 I:8.4 A:351.2 VS:-438.3

#41 TVD:5410.4 MD:5466.0 I:12.7 A:356.6 VS:-421.0





6000

Depth

