



Oil Co:	Bonanza Creek
Well Name:	Antelope O34-K31-20HNB
Surf LSD:	Weld County, Co
State/Prov:	Colorado
Country:	US
Job #:	2009-319


Oil Company:	Bonanza Creek
Well Name:	Antelope O34-K31-20HNB
Surface LSD:	Weld County, Co
State/Prov:	Colorado
Country:	US
Job #:	2009-319
Drilling Co:	Cade
Rig #:	21
Co Rep 1:	
Co Rep 2:	
Geologist 1:	
Geologist 2:	
DD 1:	Jeremy
DD 2:	Mark
MWD 1:	Ty Parker
MWD 2:	Bruce Gaylor
MWD Kit:	

Well Licence:	
API/UWI:	
AFE #:	

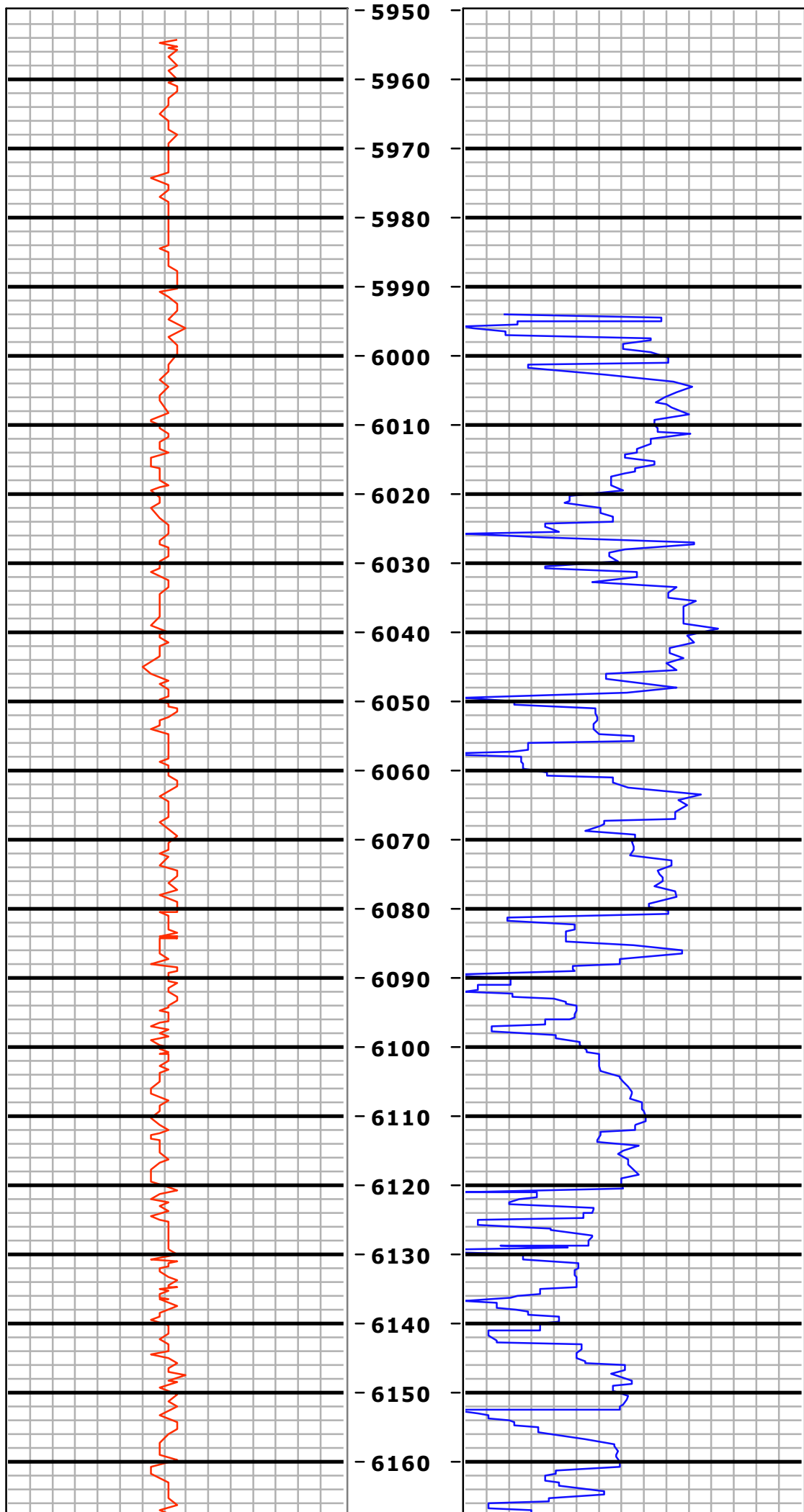
Casing Depths			MD		Depth		Date		KB:	
Surface:  Intermediate:			Start:		5954.00		4/28/14		0	
			End:		11049.11		5/4/14		0	
Run #	Hole Size (in)	Gamma Offset	Survey Offset	Depth Start	Depth End	Date Start	Date End			
01	8.75	40.00	45.00	5993.00	6949.50	Apr 28, 14	Apr 30, 14			
02	6 1/8	43.00	48.00	6949.50	11092.10	May 01, 14	May 04, 14			

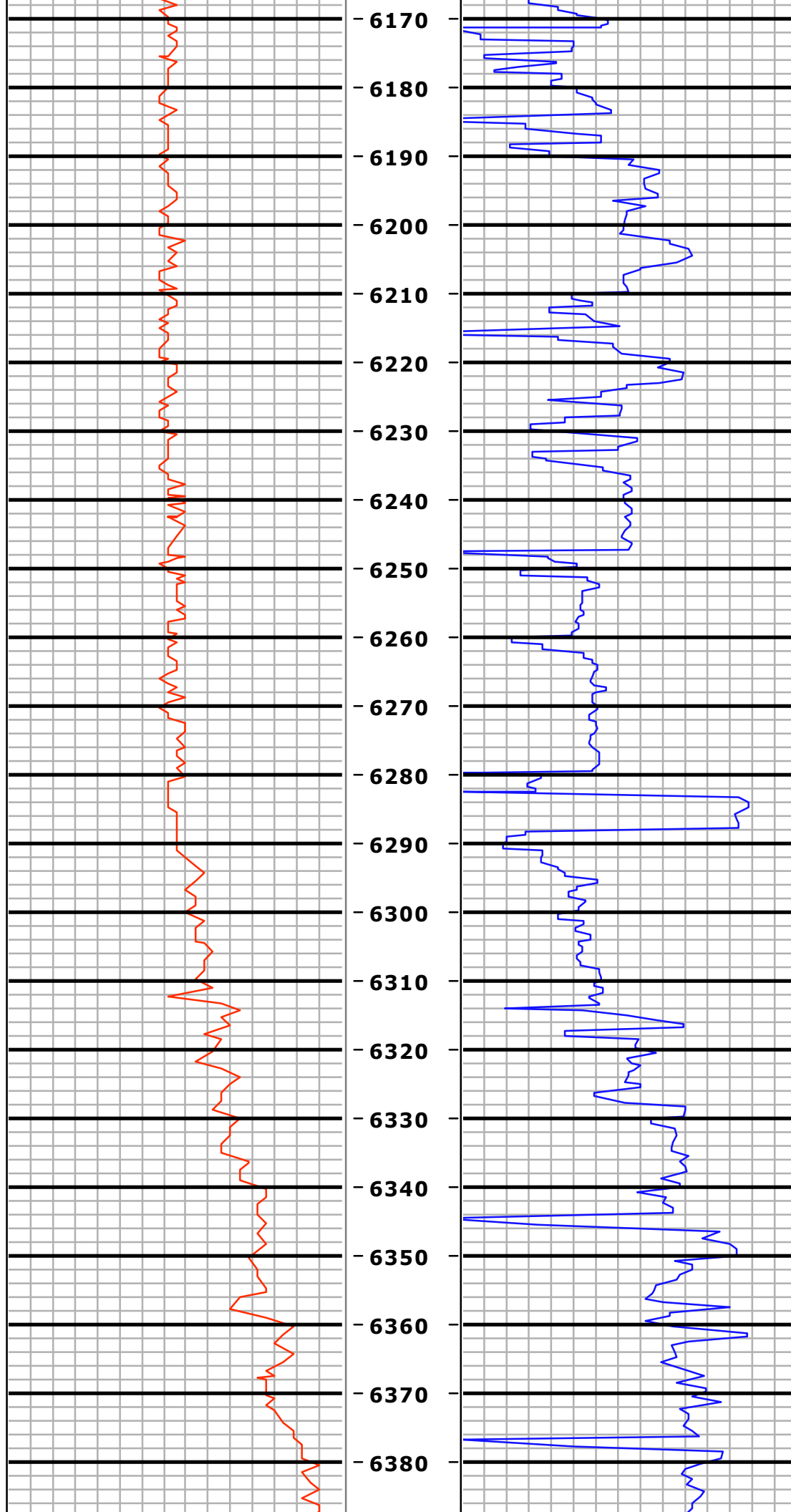
Total Directional uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.

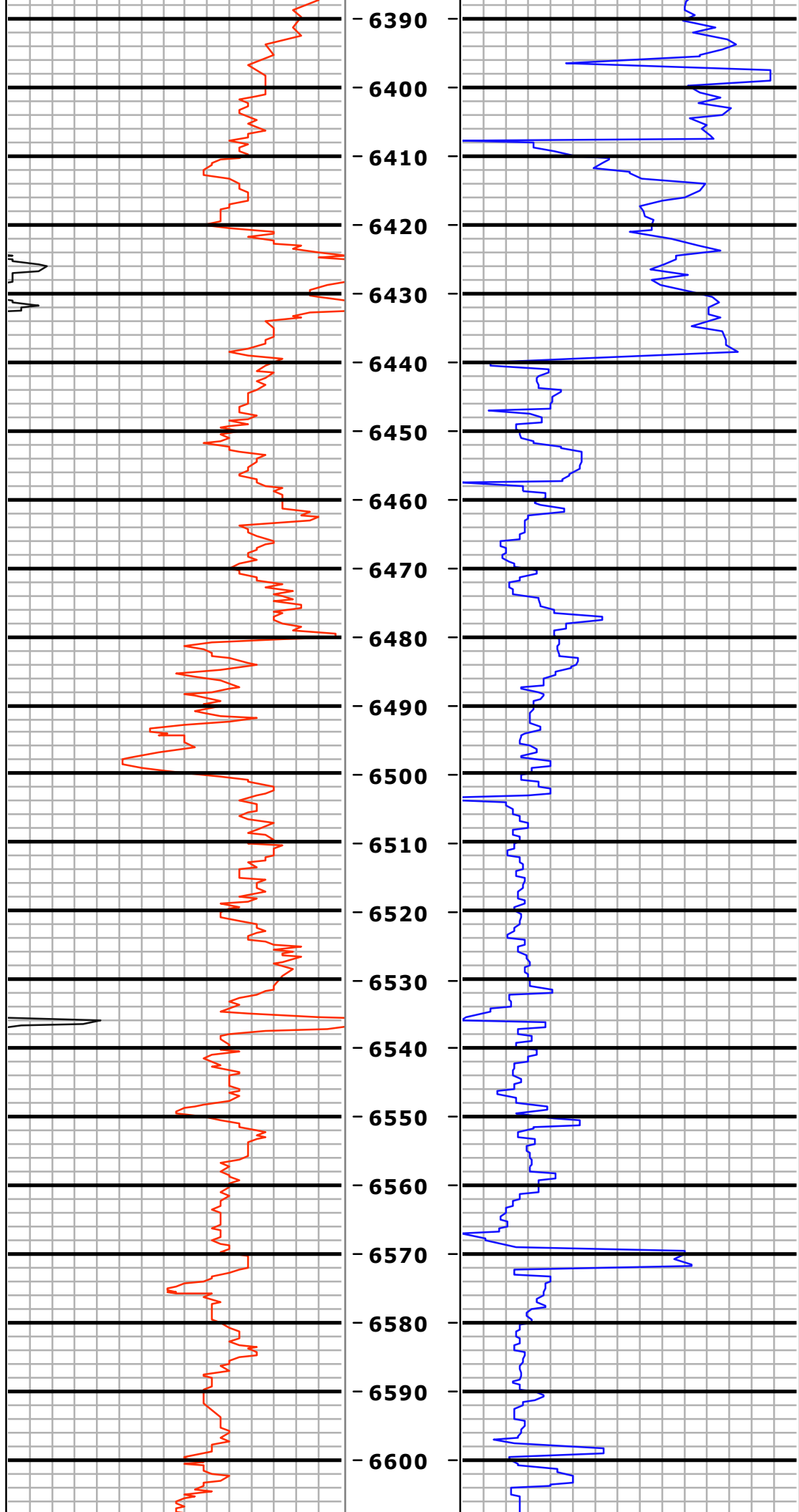
Comments:
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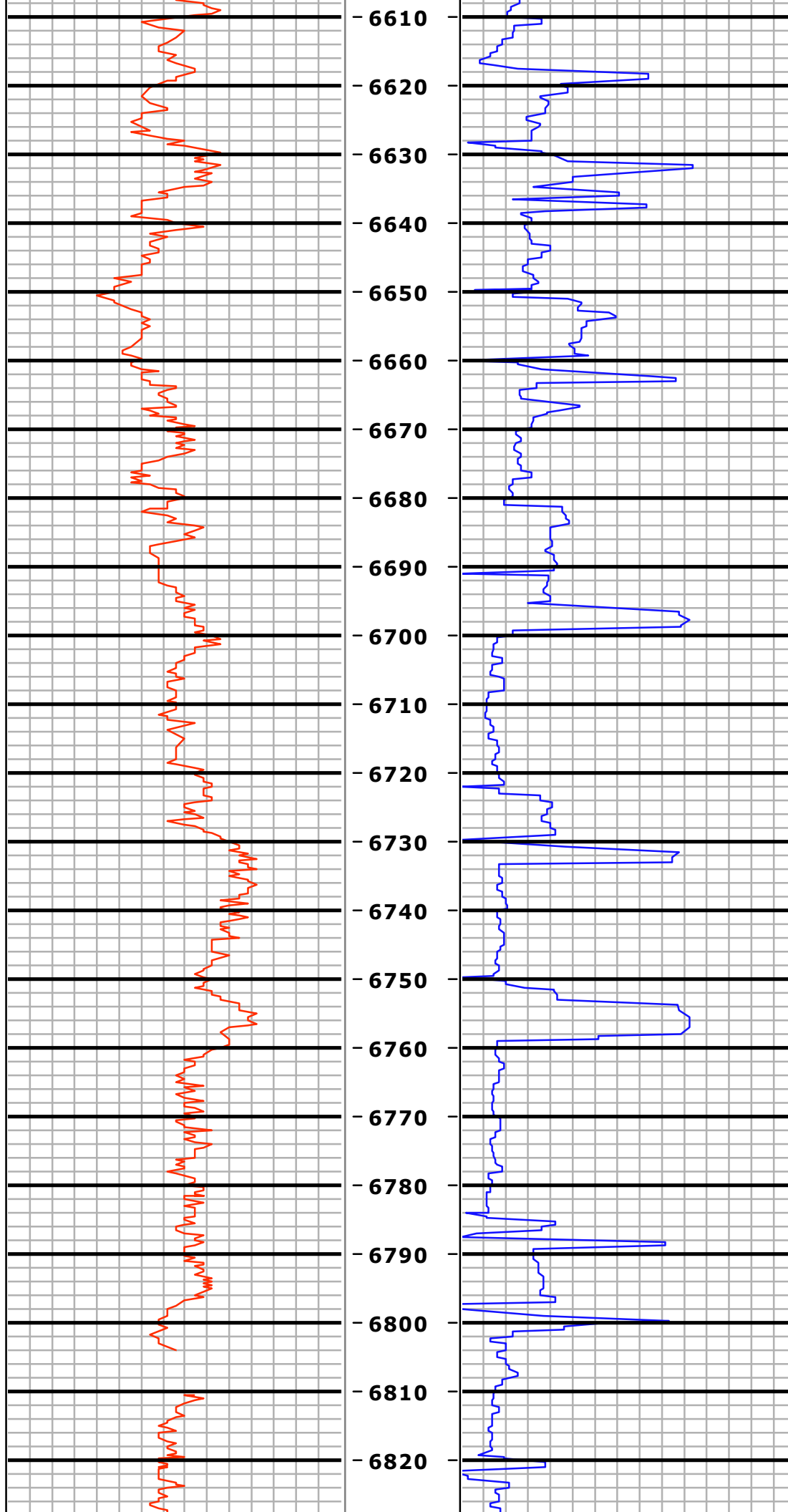
	Client:	<b>Bonanza Creek</b>			
	Well Name:	<b>Antelope O34-K31-20HNB</b>			
	API/UWI:				
	Well Lic:				
	Surface LSD:	<b>Weld County, Co</b>	KB:	<b>0</b>	
	State/Prov:	<b>Colorado</b>	Job #:	<b>2009-319</b>	GL:
Country:	<b>US</b>	MWD Kit:		DF:	<b>0</b>

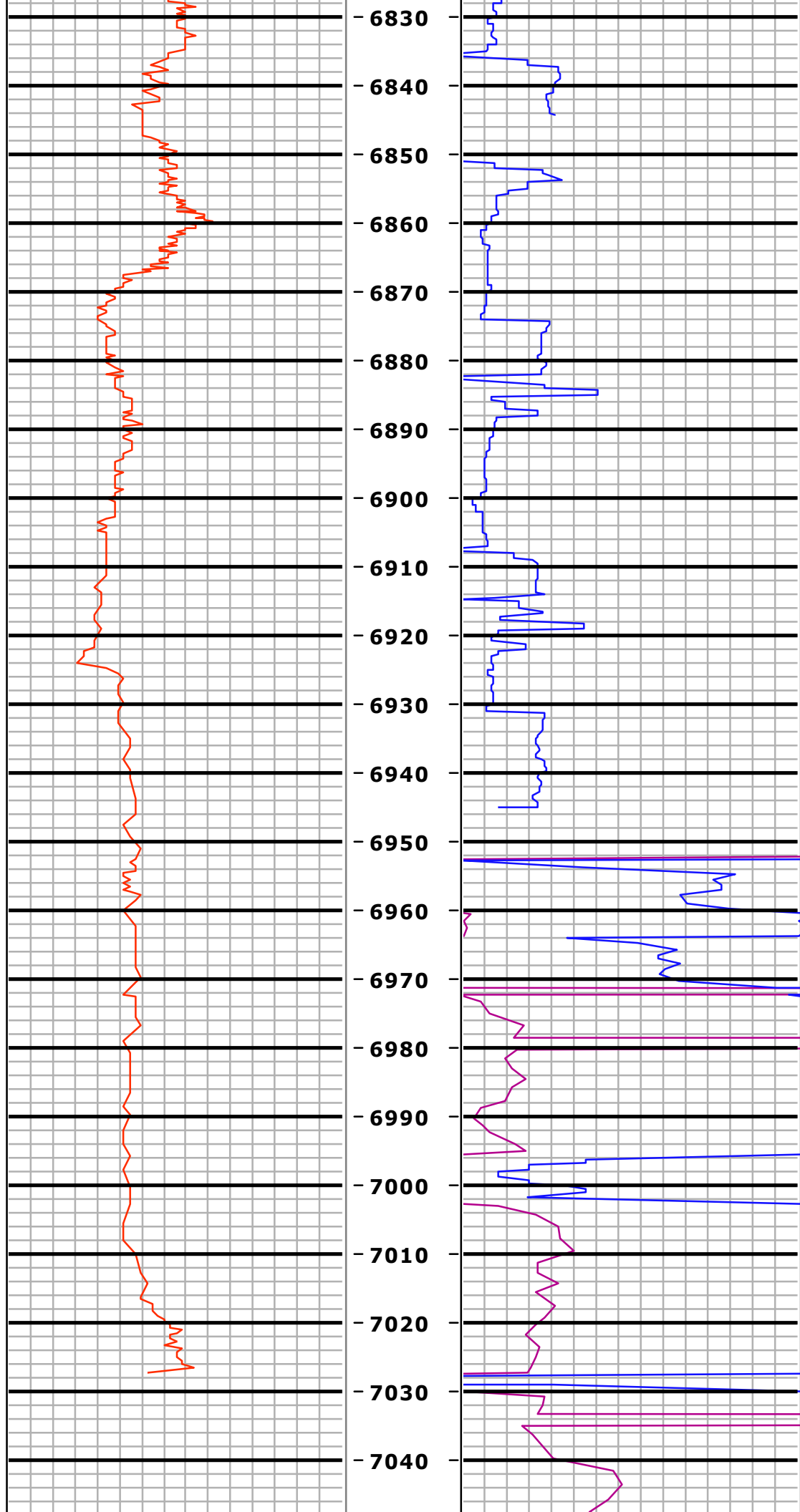
0	Gamma [AAPI]	150	MD 5":100'	0	ROP [ft per hr]	150
150	Gamma [AAPI]	300		150	ROP [ft per hr]	500

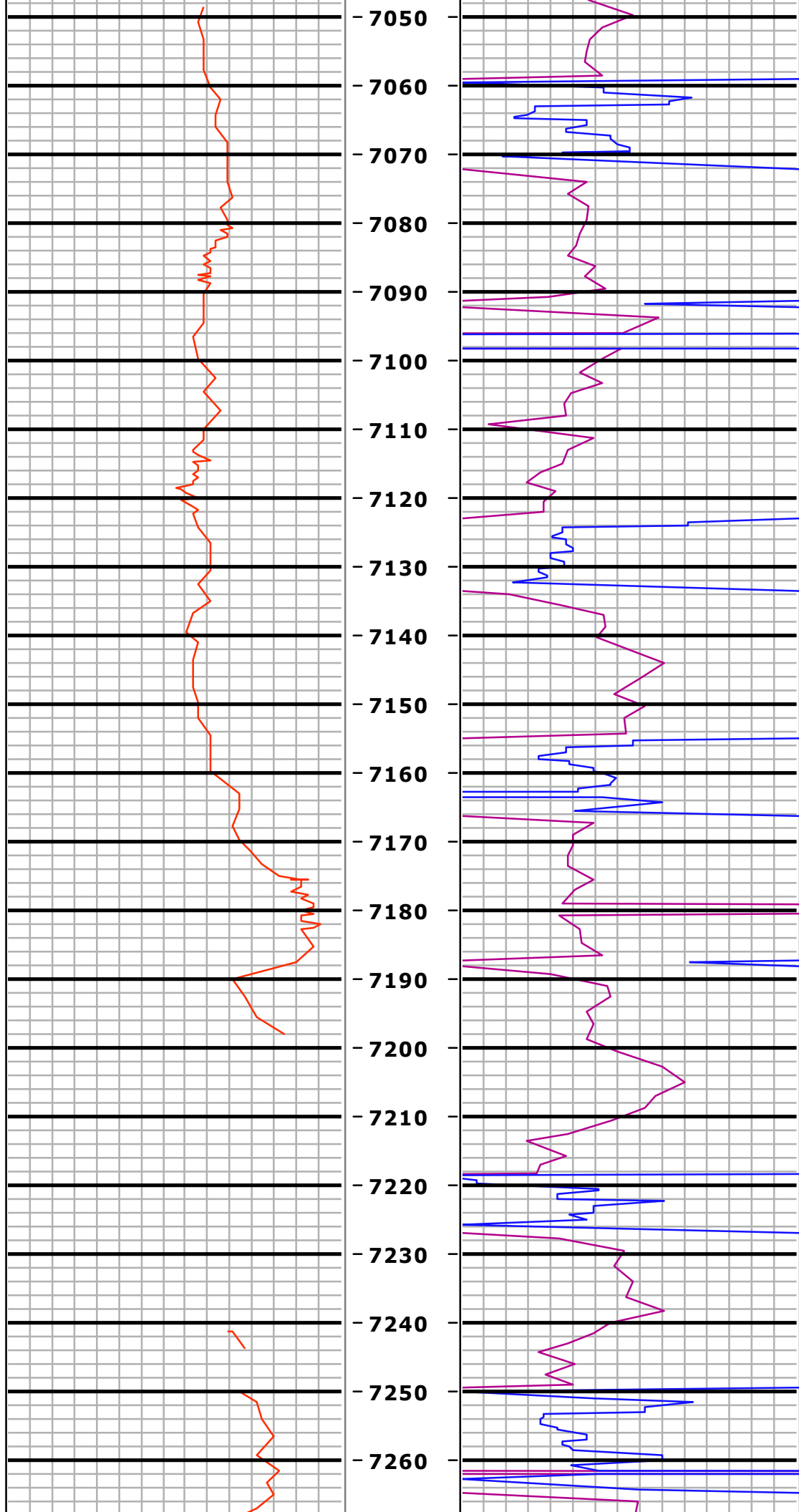


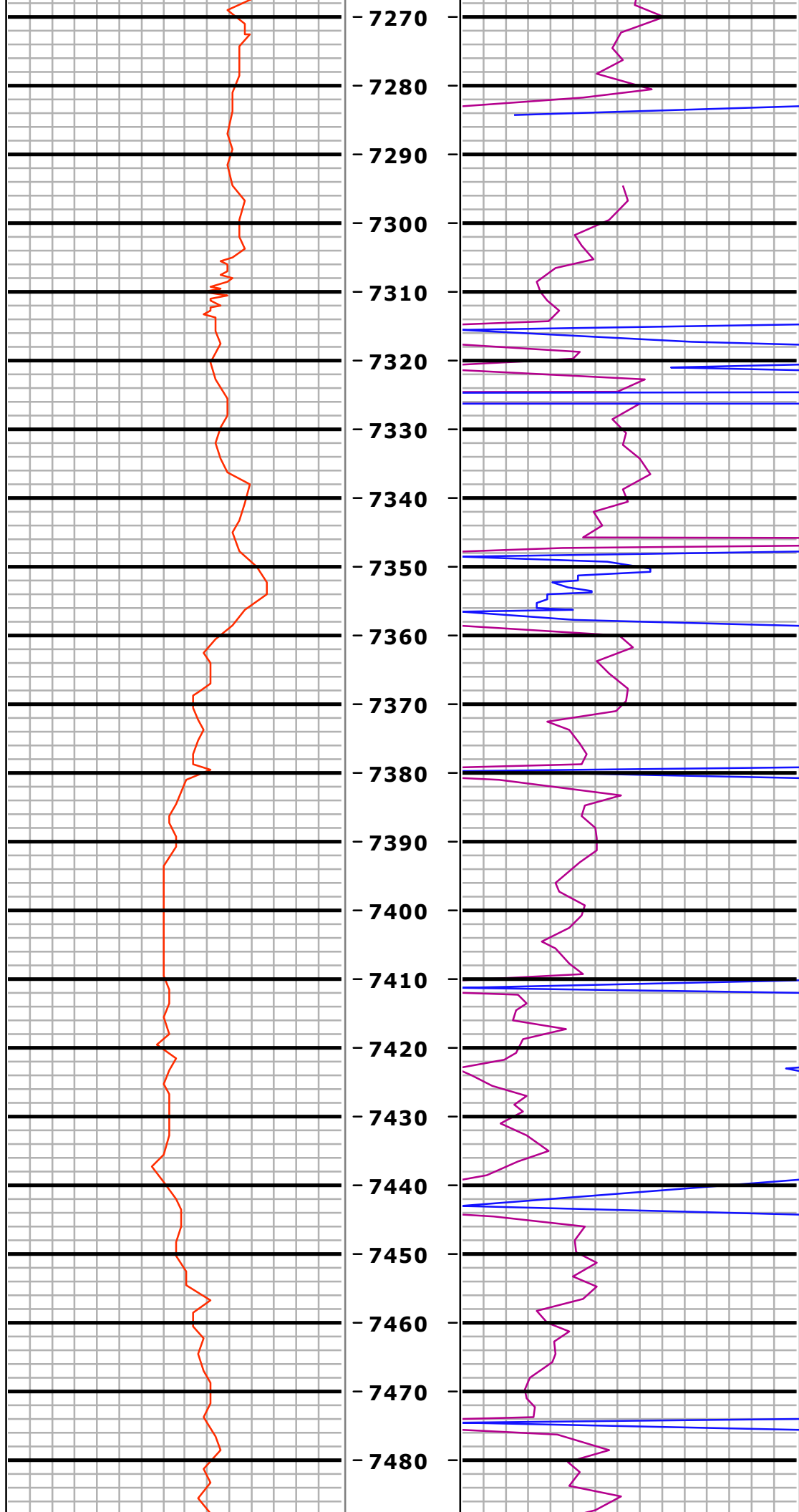




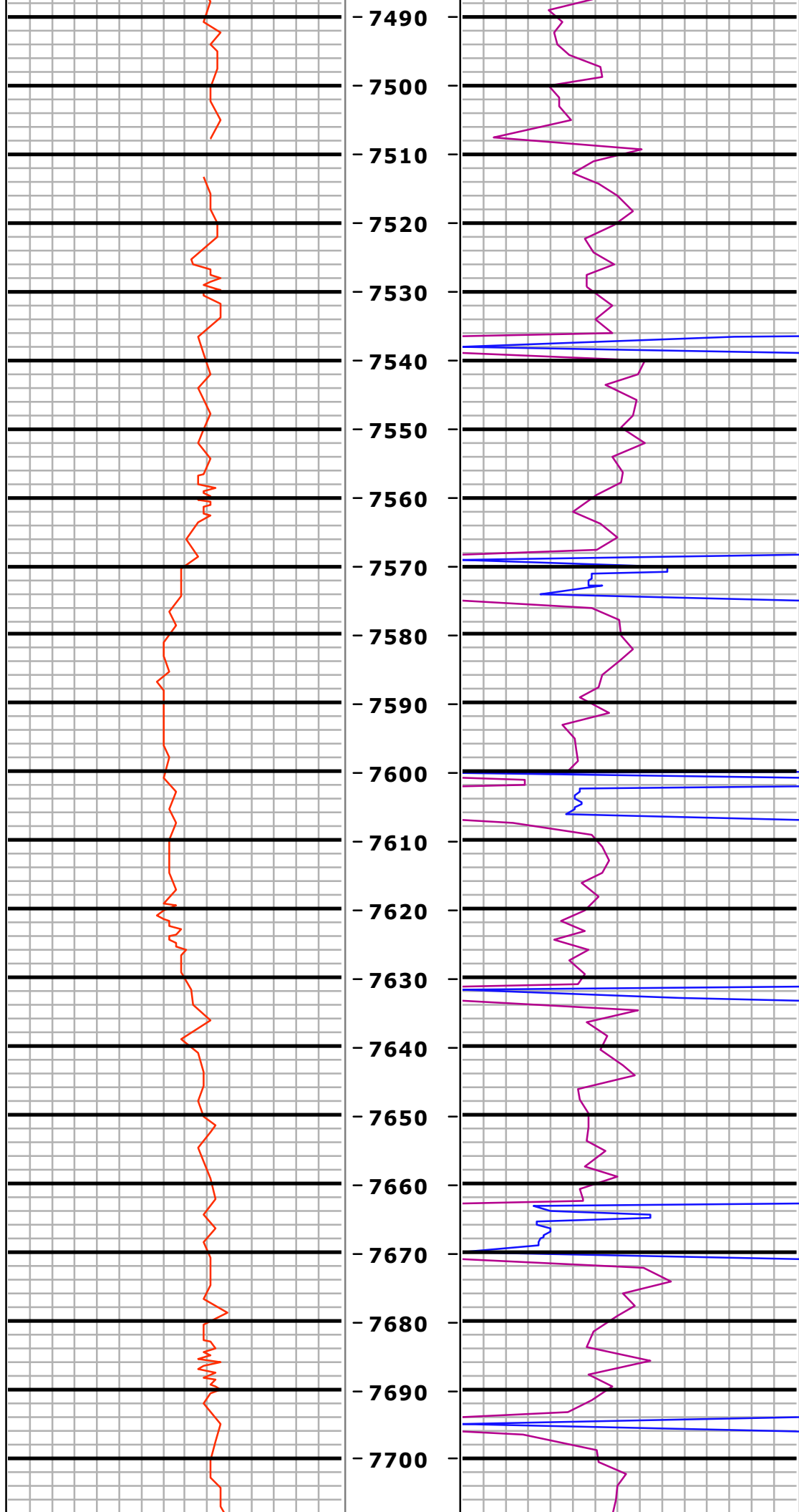


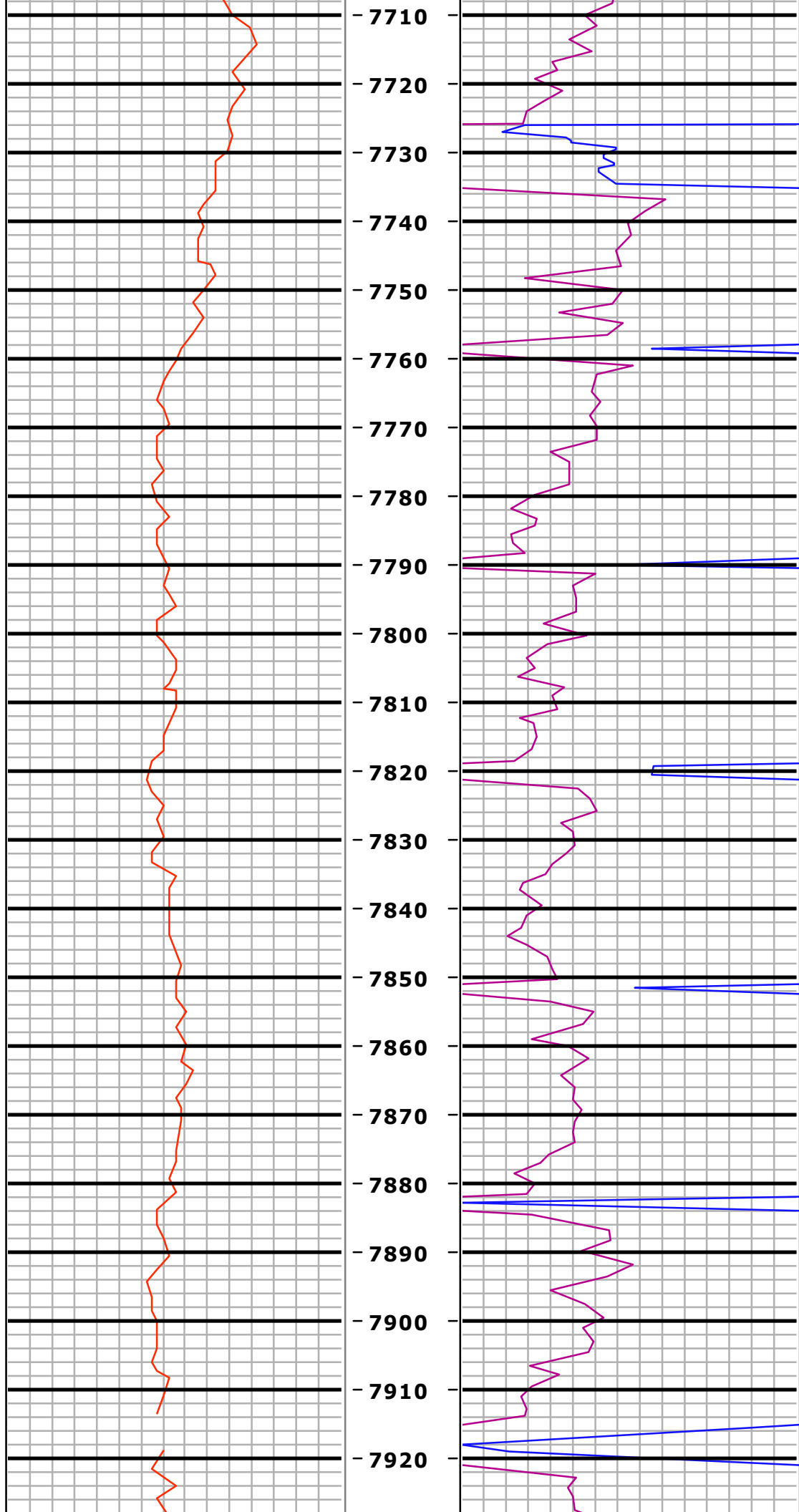


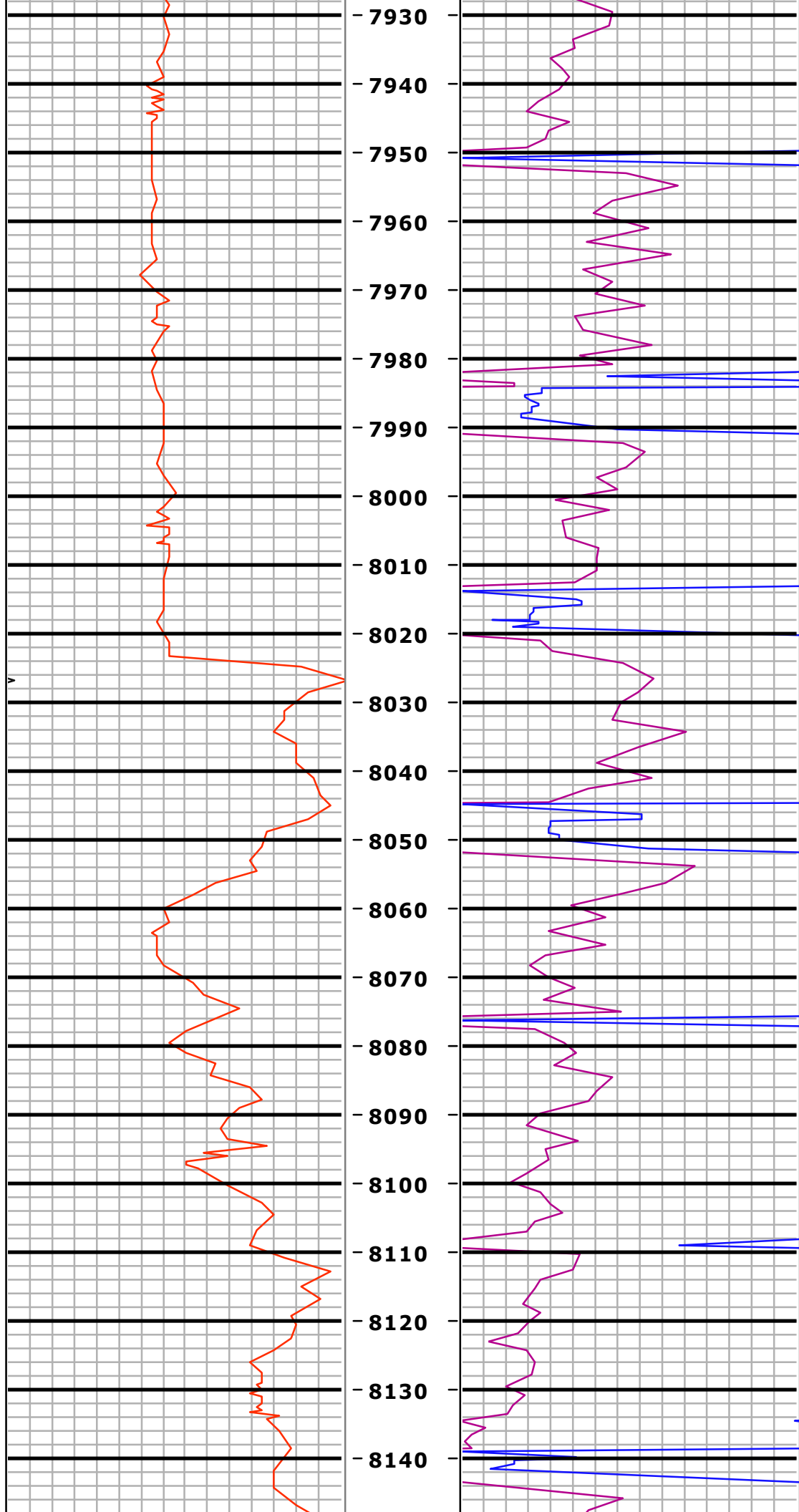


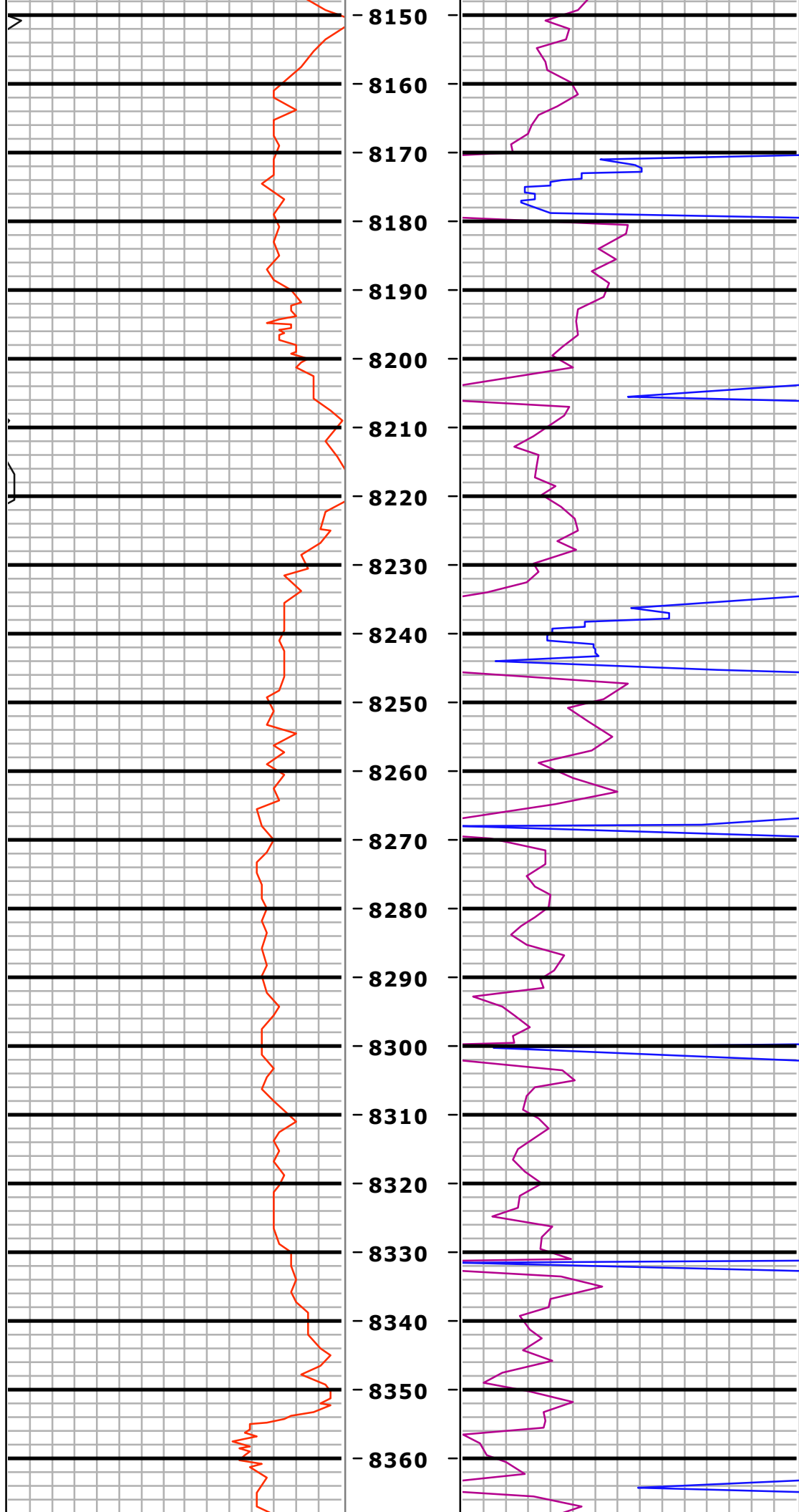


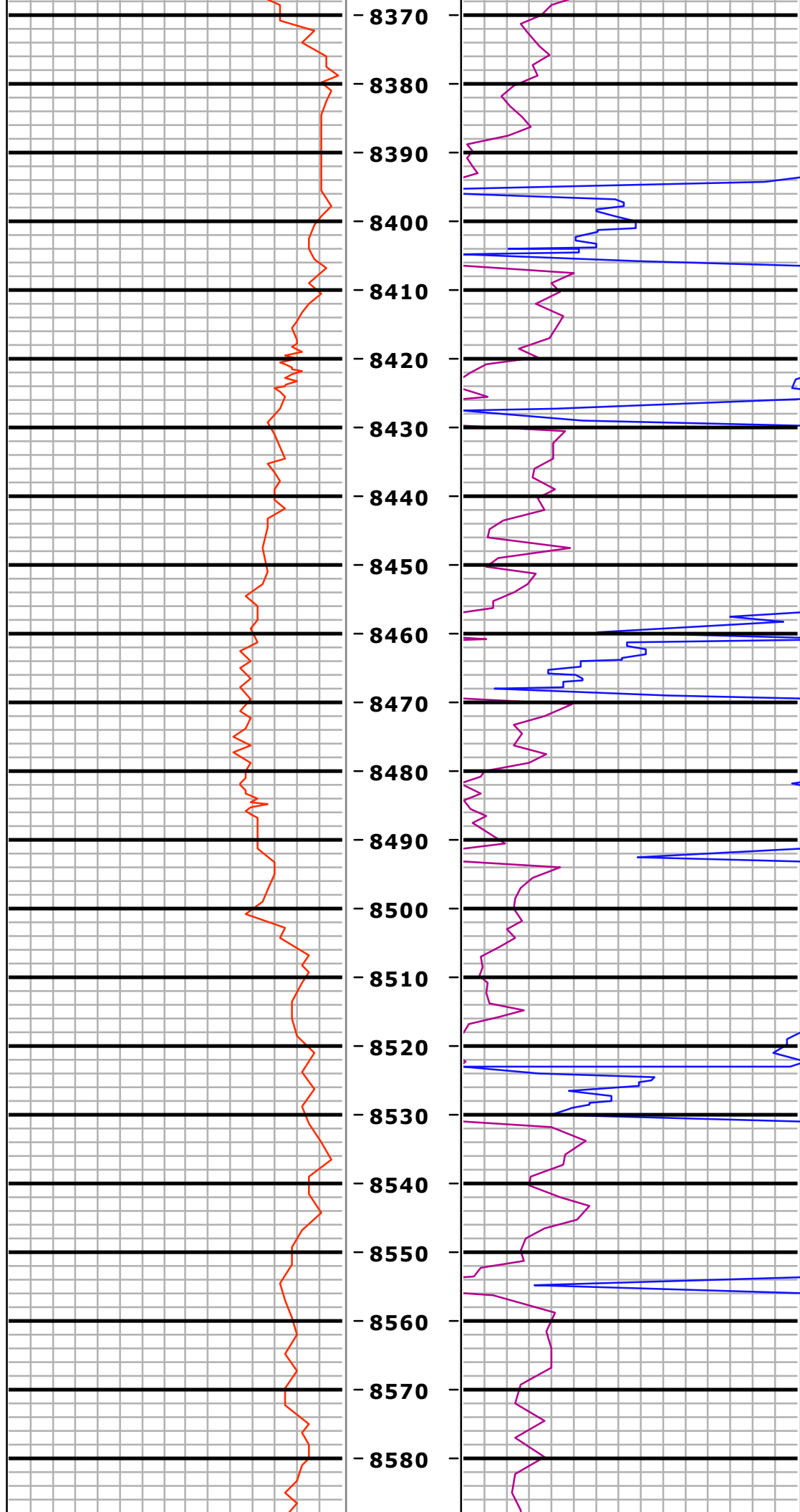


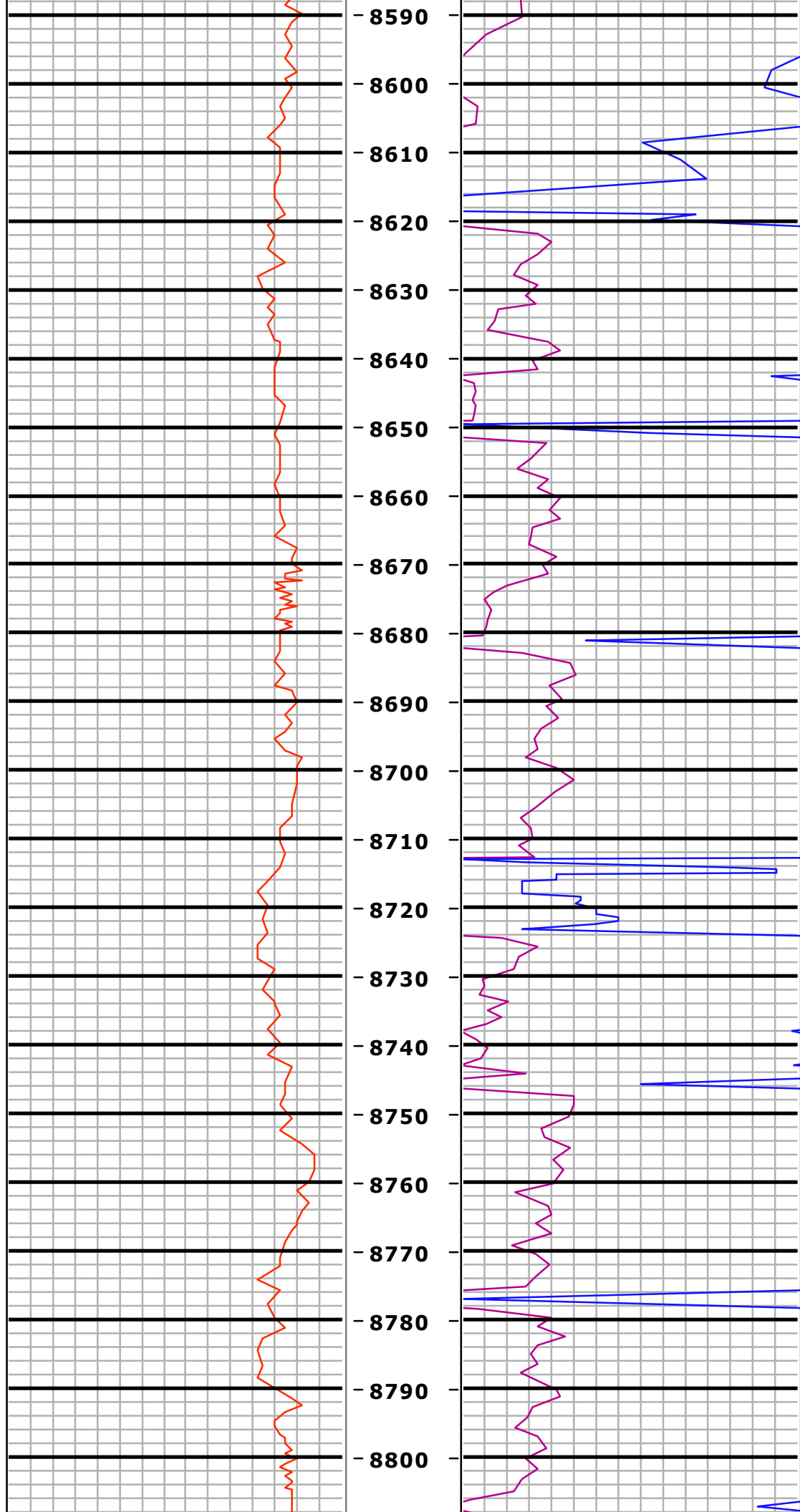


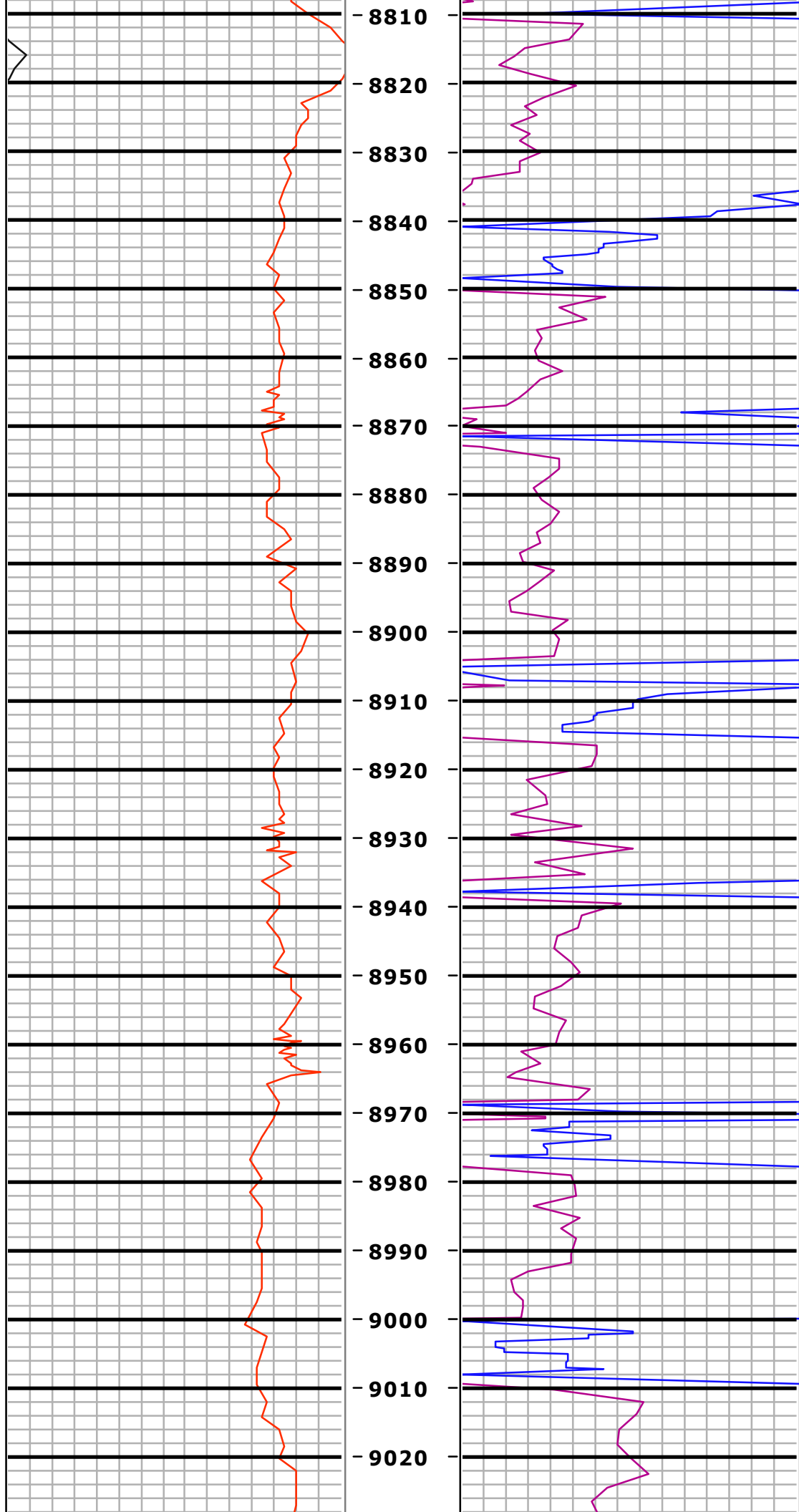


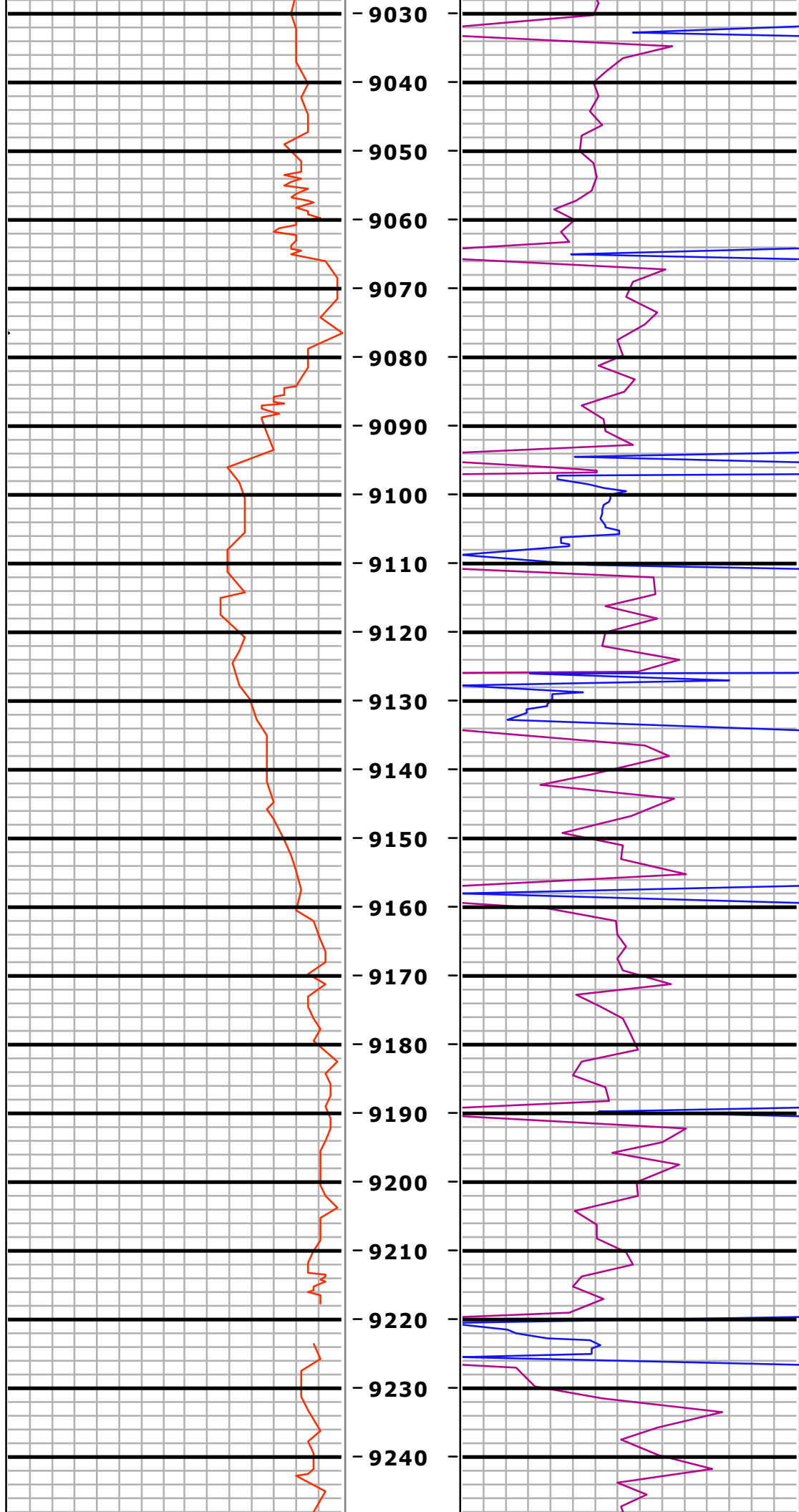




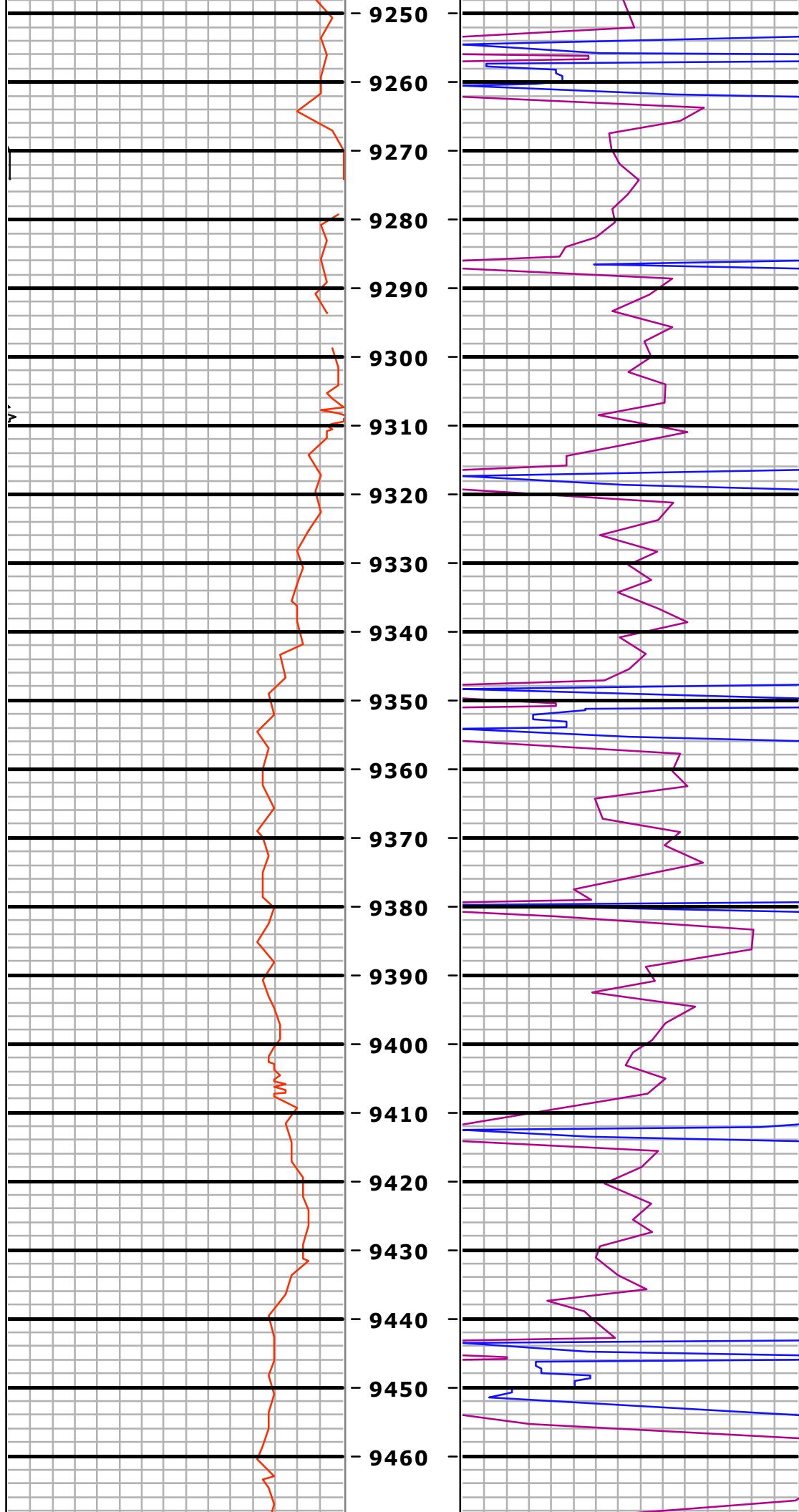


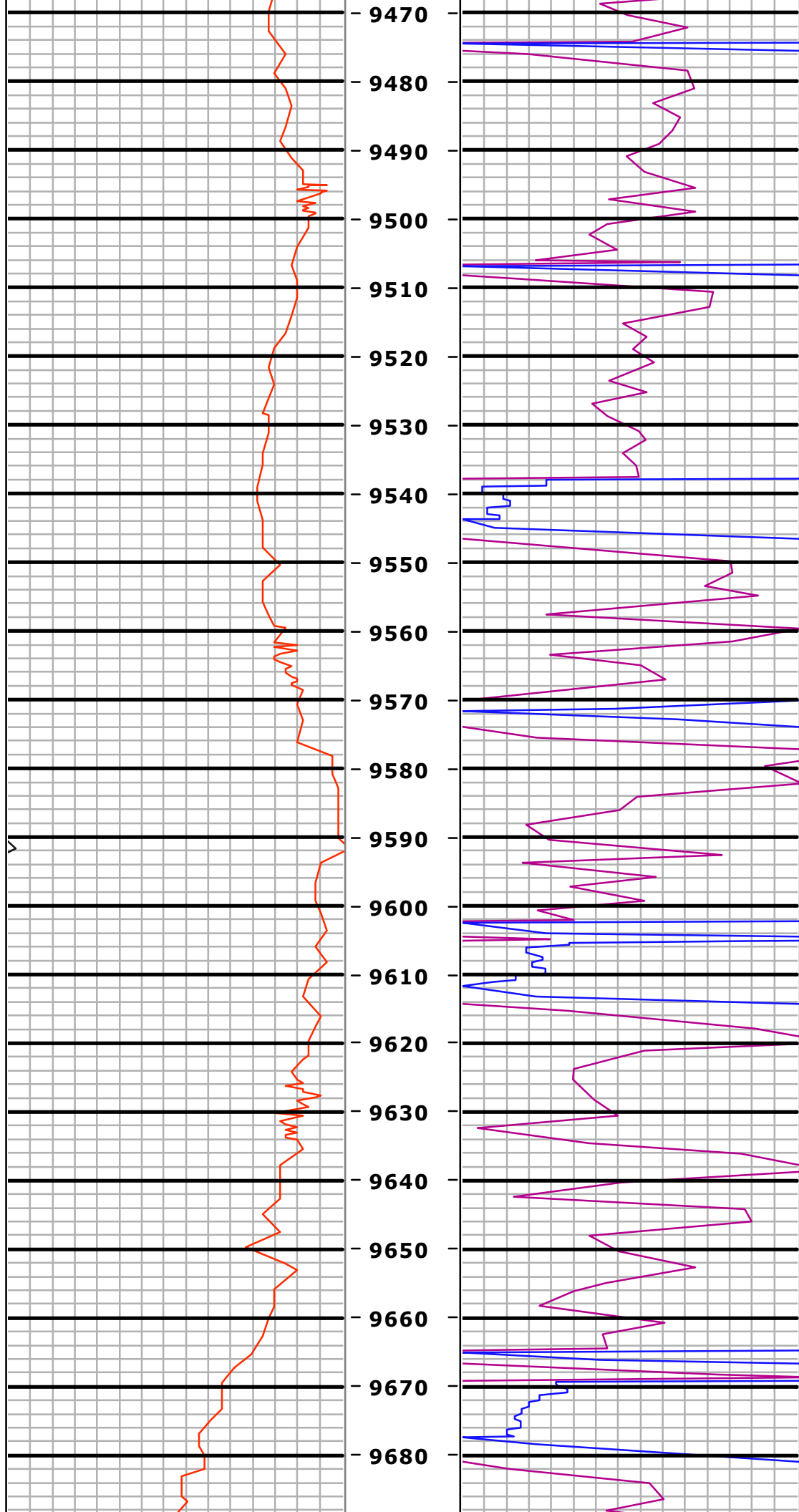


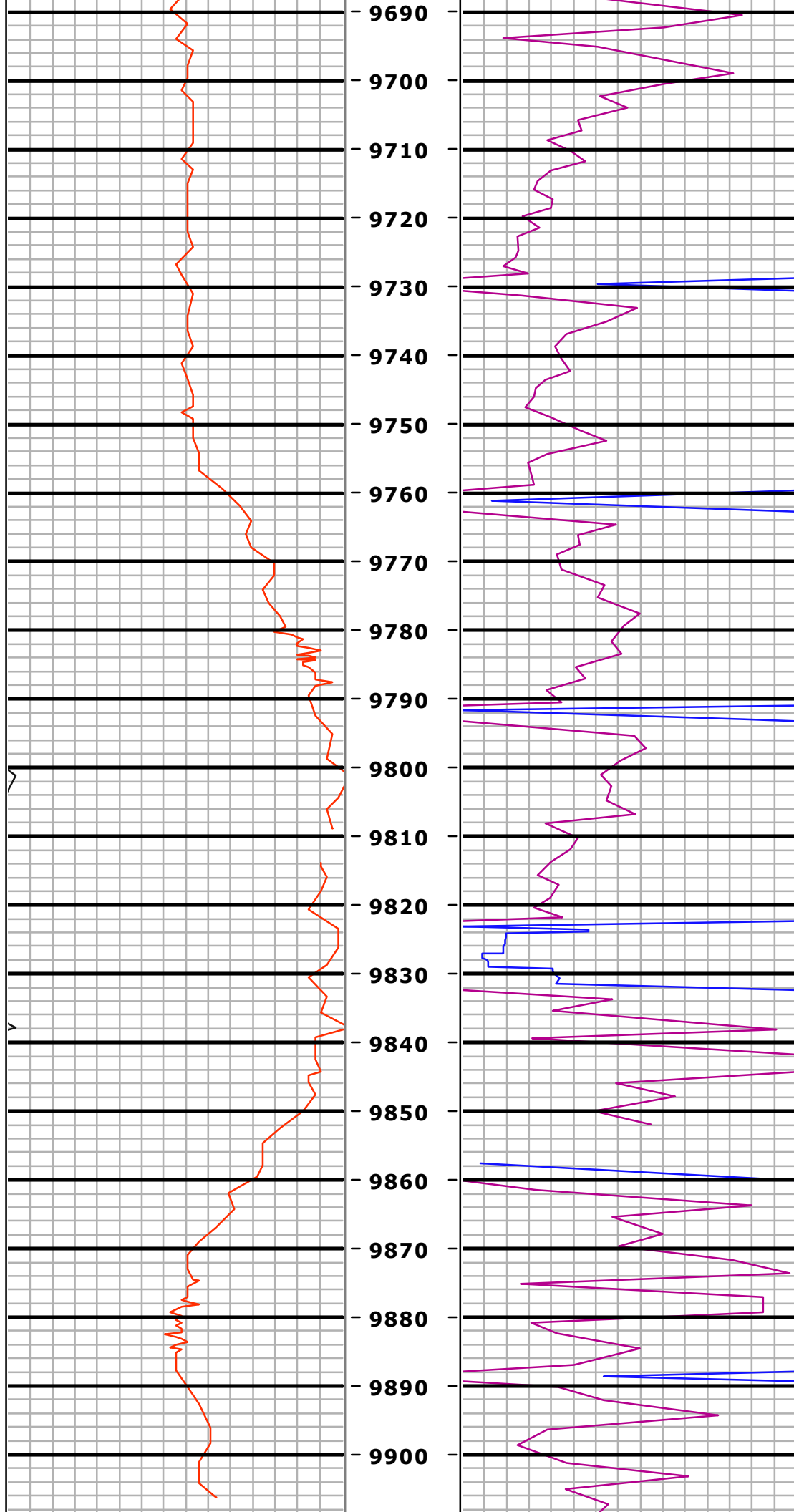


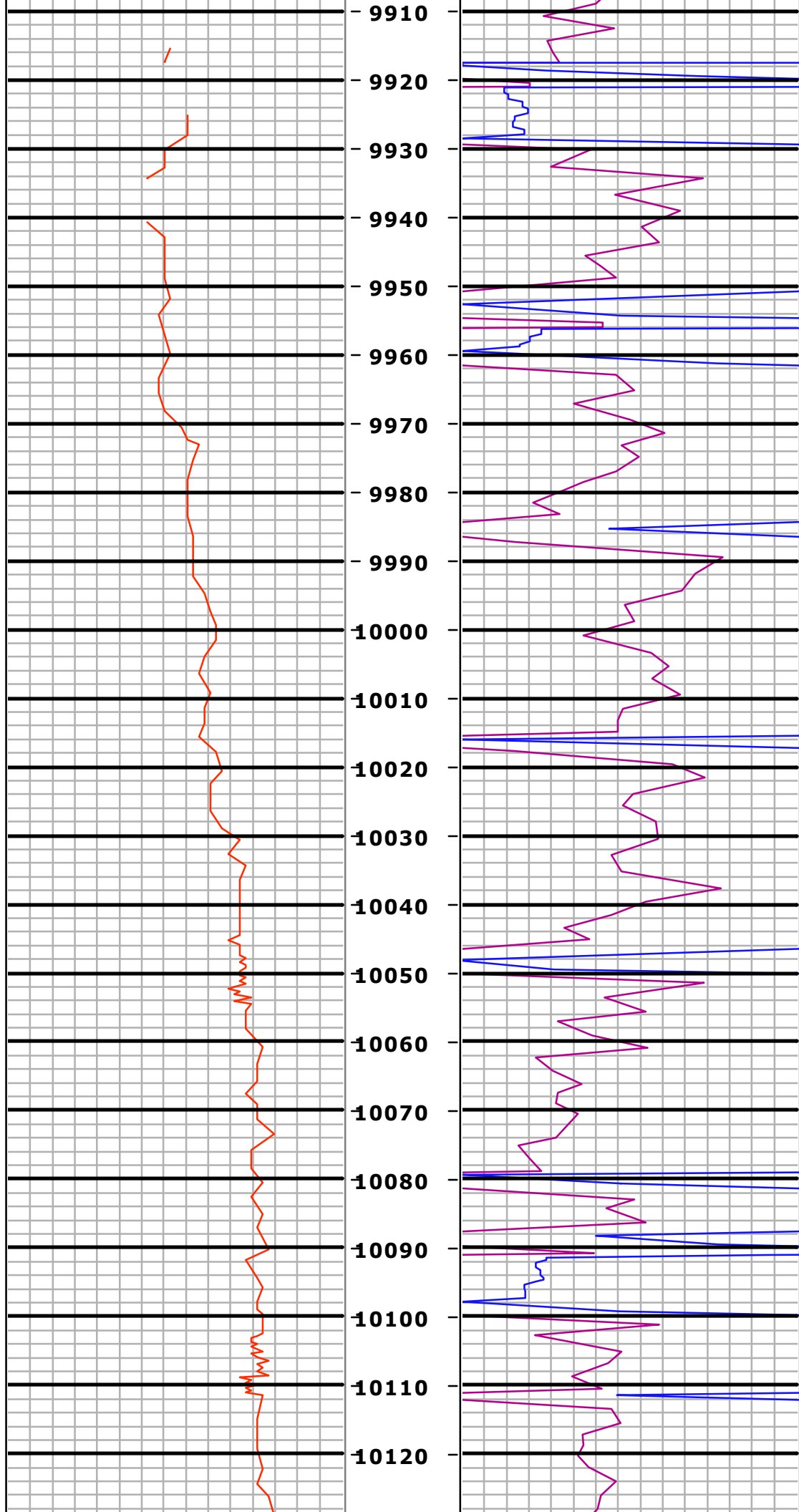


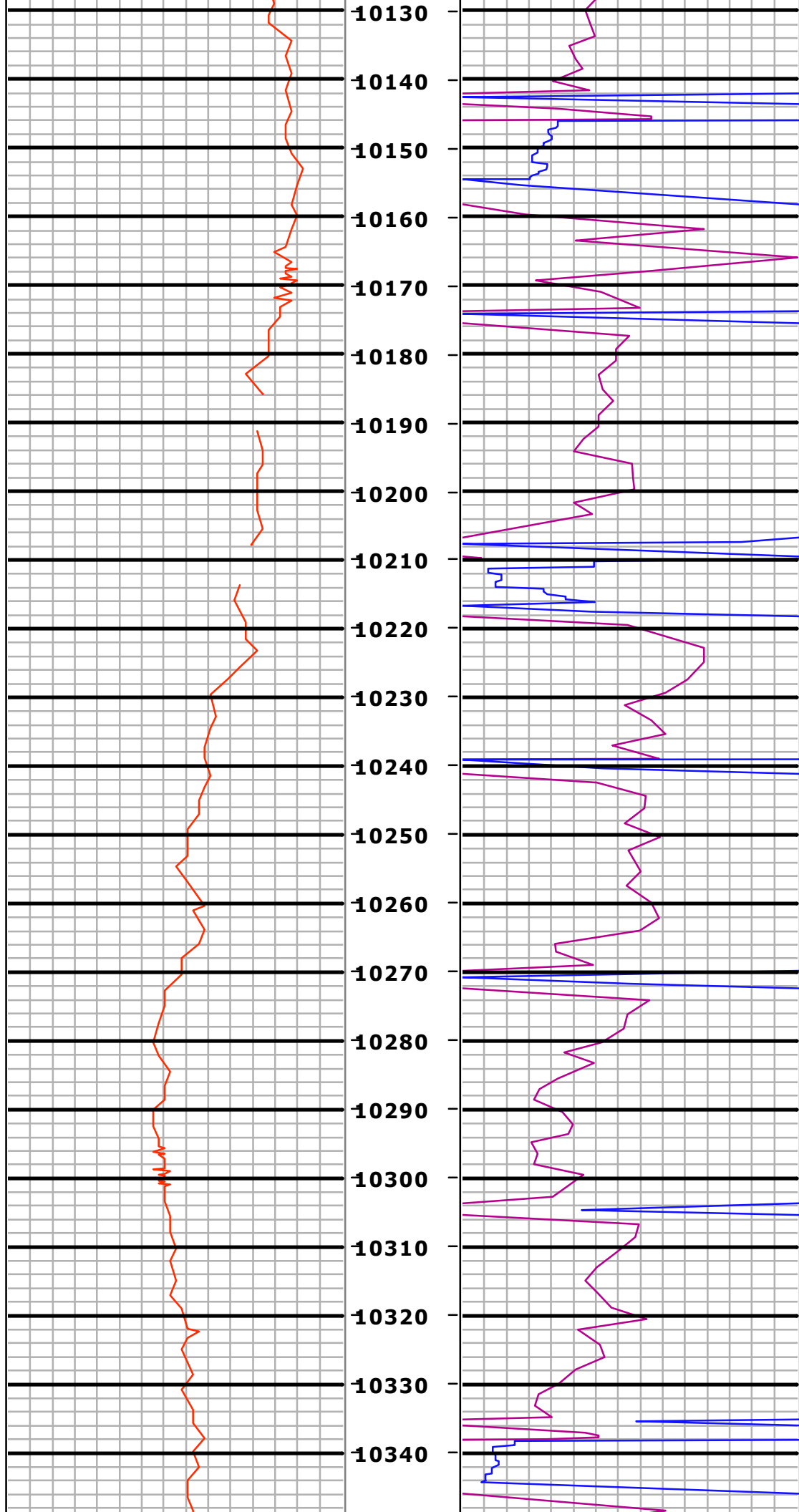


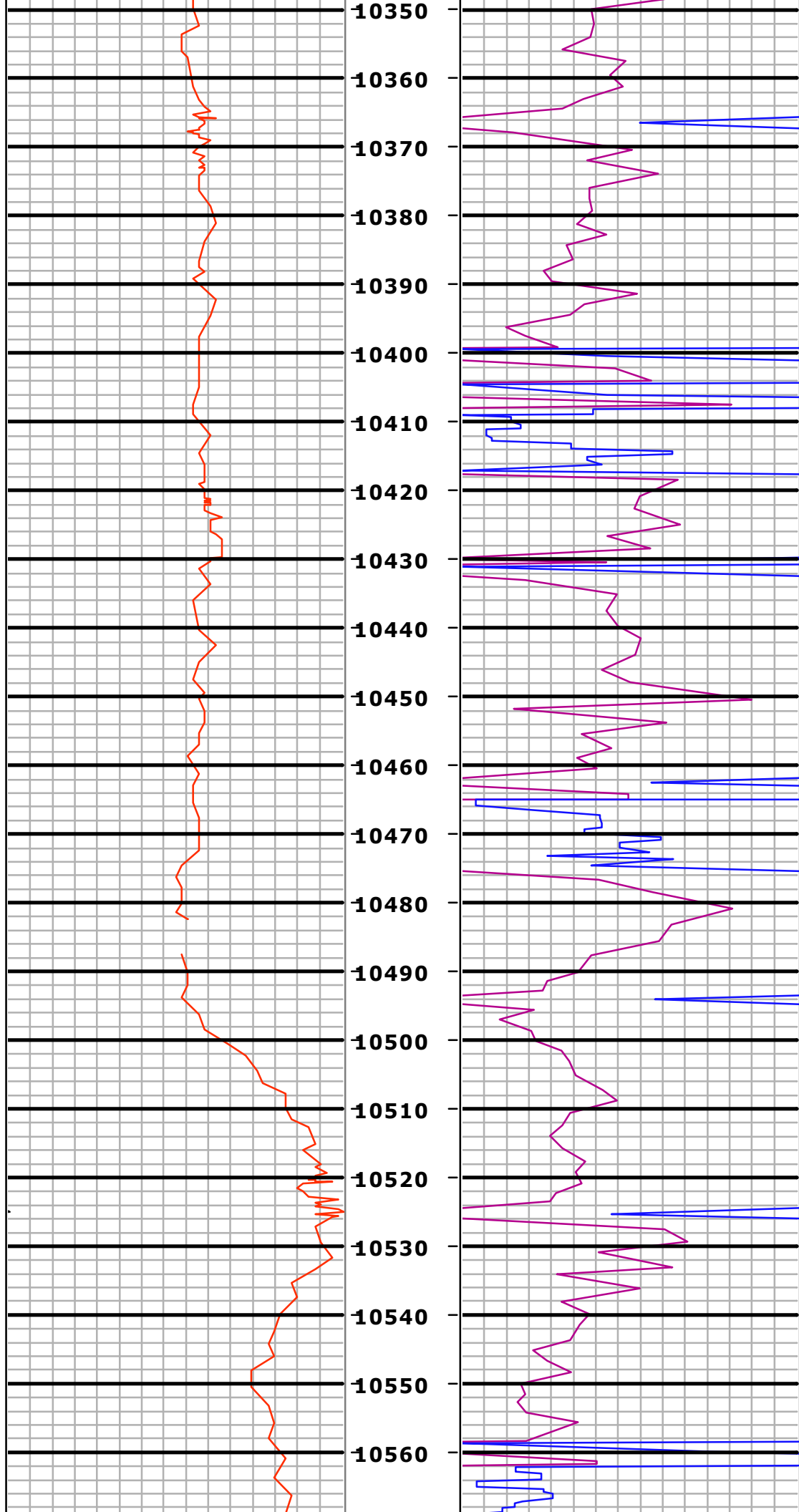


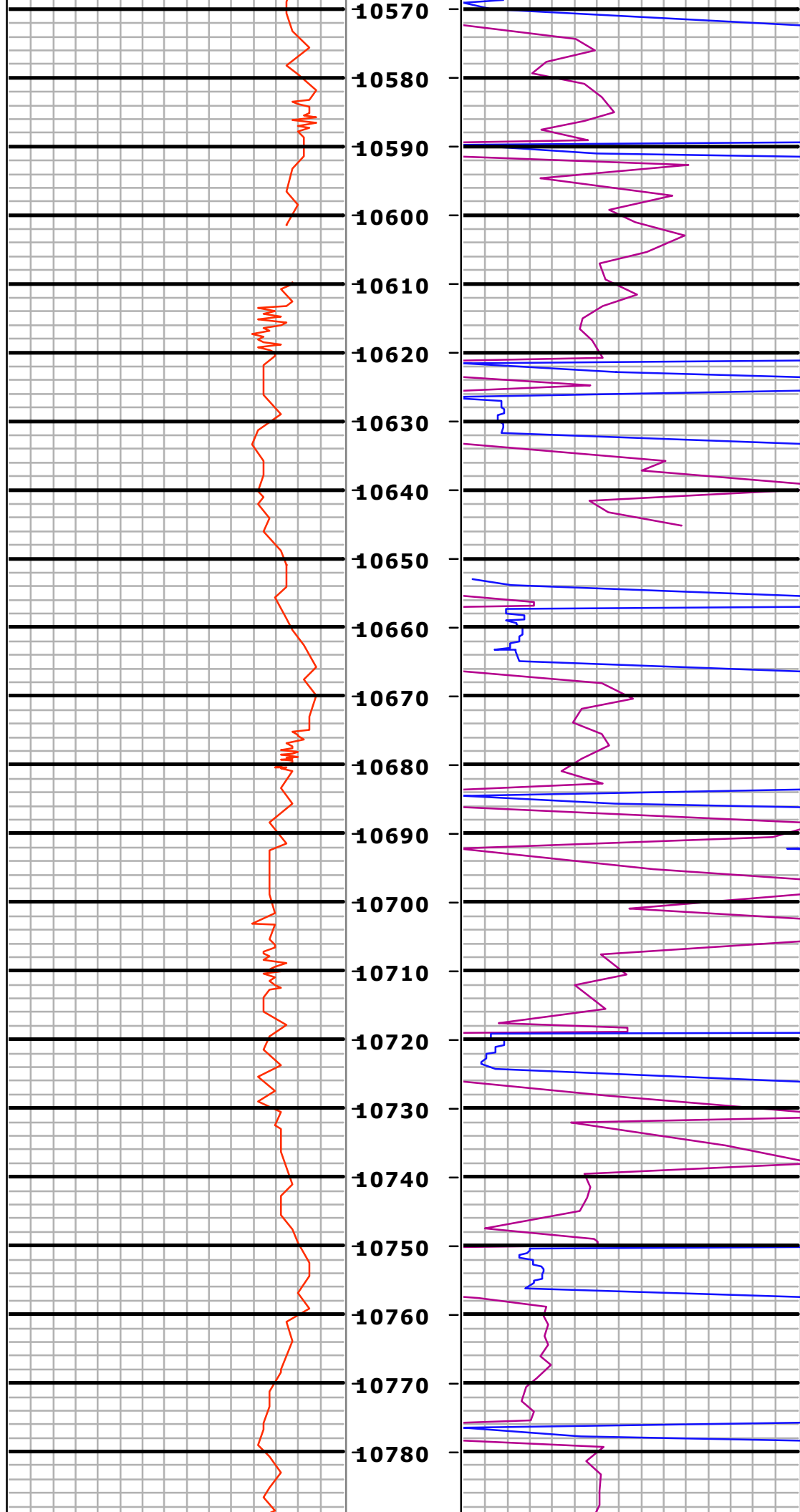


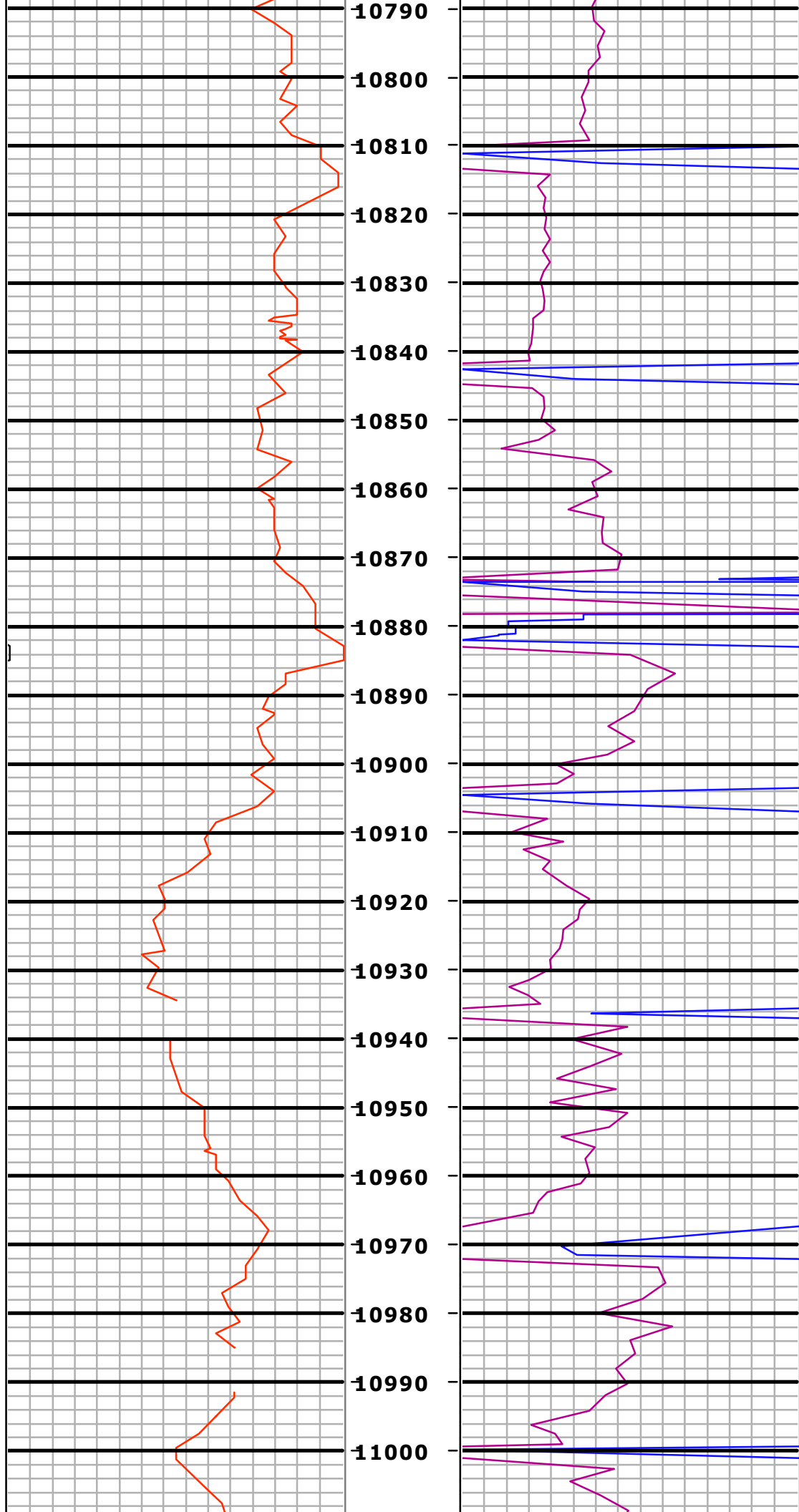




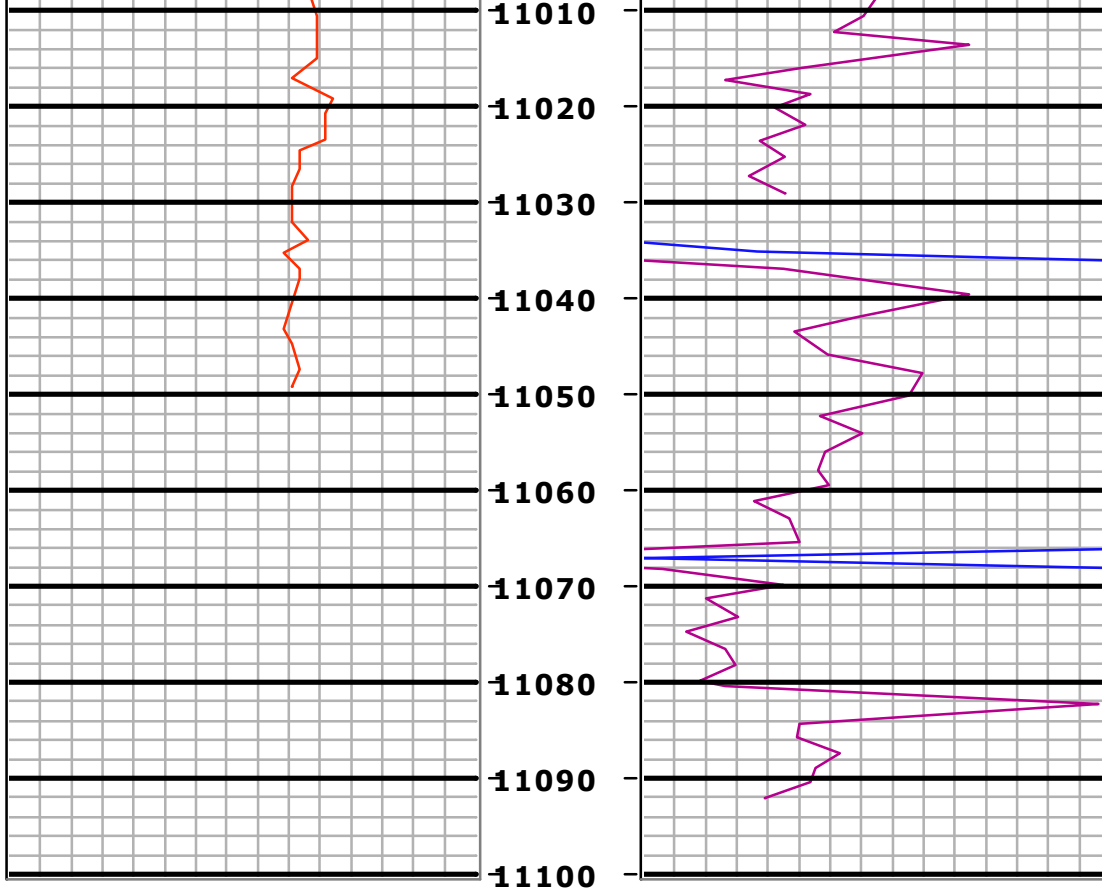













<b>0</b>	Gamma [AAPI]	<b>150</b>
<b>150</b>	Gamma [AAPI]	<b>300</b>

**Feet**  
**5":100'**  
**MD**

<b>0</b>	ROP [ft per hr]	<b>150</b>
<b>150</b>	ROP [ft per hr]	<b>500</b>

	Client: <b>Bonanza Creek</b>	
	Well Name: <b>Antelope 034-K31-20HNB</b>	
	API/UWI: _____	
	Well Lic: _____	GDAT: <b>0</b>
	Surface LSD: <b>Weld County, Co</b>	KB: <b>0</b>
	State/Prov: <b>Colorado</b>	Job #: <b>2009-319</b> GL: <b>0</b>
Country: <b>US</b>	MWD Kit: _____	DF: <b>0</b>