



LWD REALTIME LOG

Azimuthal Gamma Ray

Scale:	Company: Anadarko			
1:600	Well:	Damore 18-1HZ		
Measured Depth	Field:	Weld County		
Depth Reference:	County:	Weld	Country: United States	
Driller's Depth	State:	Colorado		
Status:	Surface Location:	Other Services:		
Field Print	Latitude:	40° 24' 03.643" N		
API No:	Longitude:	104° 56' 32.456" W		
Job ID:	SEC:	18	TNW:	5N
Permanent Datum (P.D.):	Mean Sea Level	Elevation:	0.00 ft	N/A
Log Measured From:	Rig Floor	Above P.D.:	4948.00 ft	Elev. KB:
			Elev. DF:	4948.00 ft
			Elev. GL:	4922.00 ft
Dates	Interval	Magnetic Field Reference		
From: 2020-03-06	Drilled (ft)	Logged (ft)	Azi Reference North:	True
To: 2020-03-09	Top: 1871.00	Top: 1871.00	Total Magnetic Field Strength: (nT)	Dip Angle: (deg)
Spud: 2020-03-05	Bottom: 20205.00	Bottom: 20191.00	Mag to Reference North Correction: (deg)	66.50
				52203
				8.22
Borehole Record				
Casing Record				
Hole Size (in)	From (ft)	To (ft)	Size (in)	Weight (lb/ft)
13.500	26.00	1871.00	9.625	36.00
8.500	1871.00	20205.00		26.00
Mud Record				
Deviation Record				
Type	From (ft)	To (ft)	Hole Size (in)	Interval (ft)
Synthetic Based Mud	1871.00	20205.00	8.500	18334.00
				7.46 334.62
				90.31 270.91
Acquisition System				
Software Version		Other		
Cadence	RT 5.5	Rig:	PD 564	
Plot Studio	5.5.8765.1	Contractor:	Precision Drilling	Unit: D&E
		District:	RMA	

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Log Run Summary

Run No	Bit Run No.	Bit Size (in)	Bit Type	Bit Gauge Length (in)	Assembly Type	Logged Interval		Bit Depth Interval		Date / Time		Circ. Hours (h)
						Top	Bottom	From	To	Start Logging	End Logging	
						(ft)	(ft)	(ft)	(ft)			
1	1	8.500	PDC	3.50	AutoTrak Curve	1871.00	20191.00	1871.00	20205.00	2020-03-06 01:38	2020-03-09 03:53	63.91

Crew

Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite
Doug Rusco	2020-03-04	2020-03-09	Josh Monroe	2020-03-04	2020-03-08			

Mud Properties Record

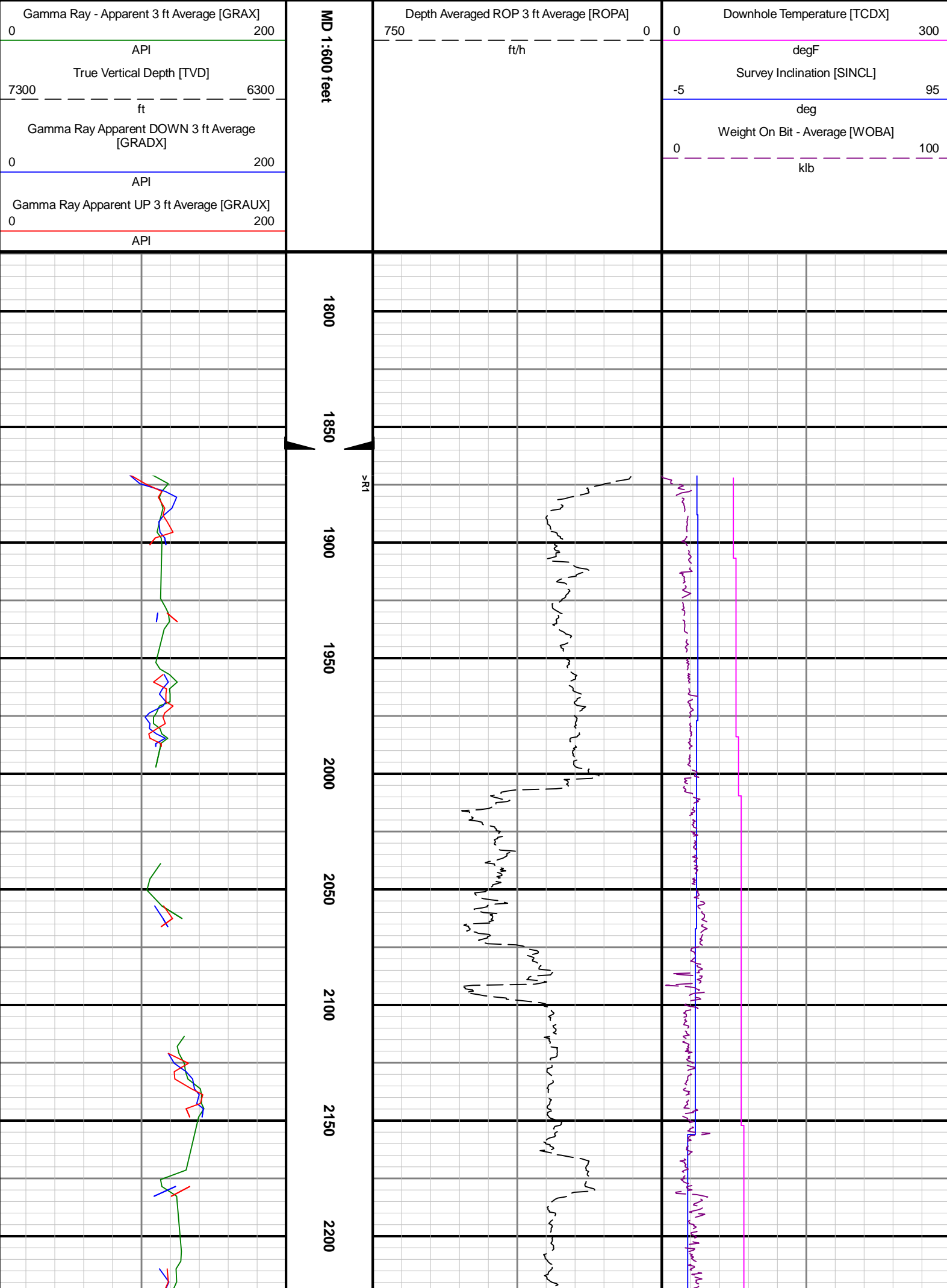
Date / Time	Run No.	Depth (ft)	Mud Type	Density (ppg)	Viscosity (cP)	pH	Fluid Loss (cm3)	Oil / Water	Source	Total Chlorides (ppm)	K+ (%)
2020-03-05 16:00	1	1871.00	Synthetic Based Mud	9.2	12	N/A	N/A	78/22	Active Pit	53521	0.00
2020-03-06 16:00	1	6308.00	Synthetic Based Mud	9.0	13	N/A	N/A	77.2/22.8	Active Pit	55399	0.00
2020-03-07 16:00	1	10785.00	Synthetic Based Mud	9.1	15	N/A	N/A	76.9/23.1	Active Pit	56338	0.00

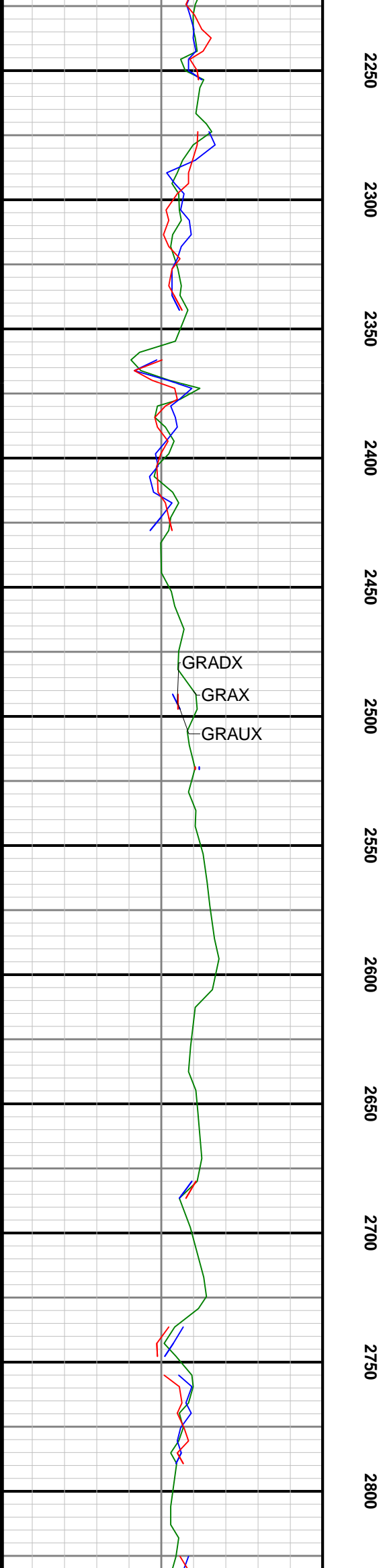
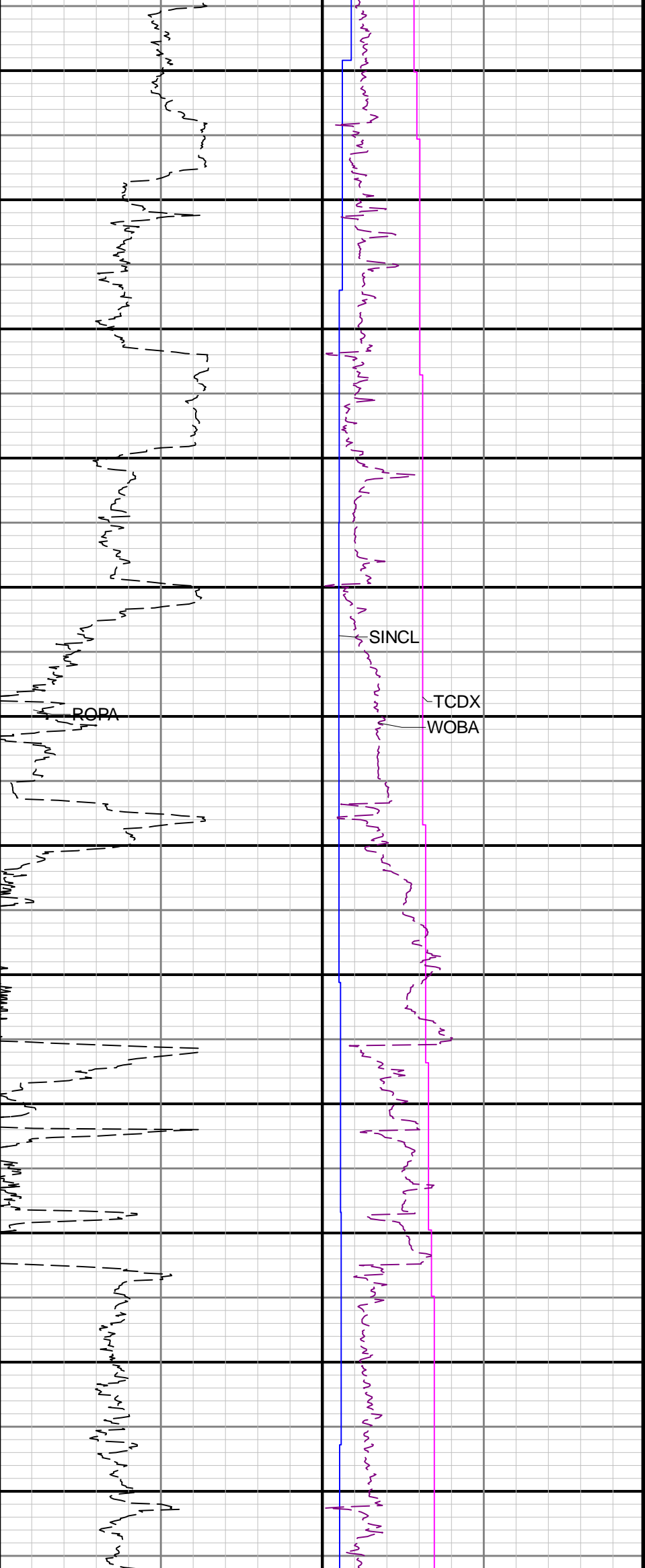
Equipment and Service Data

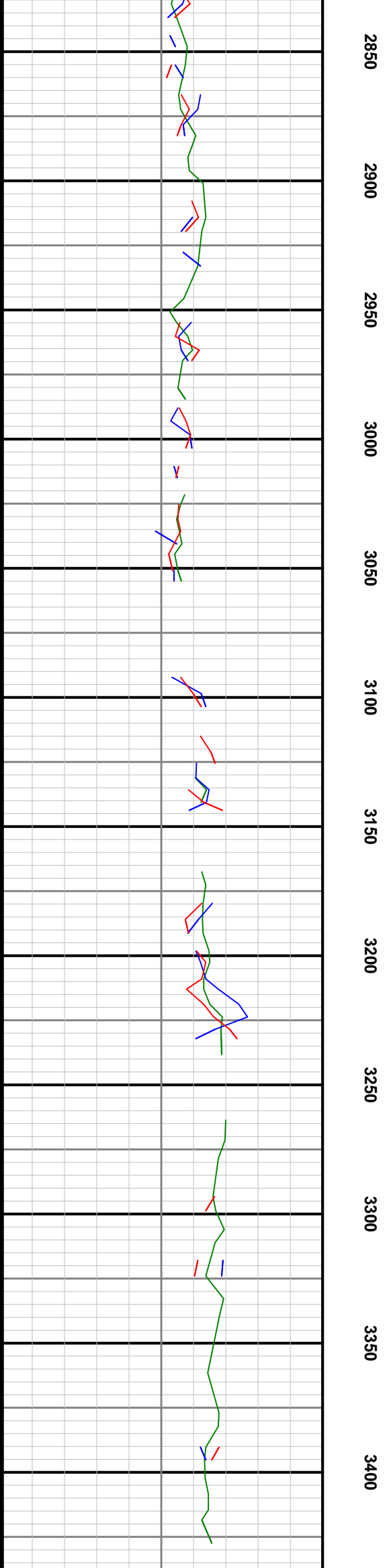
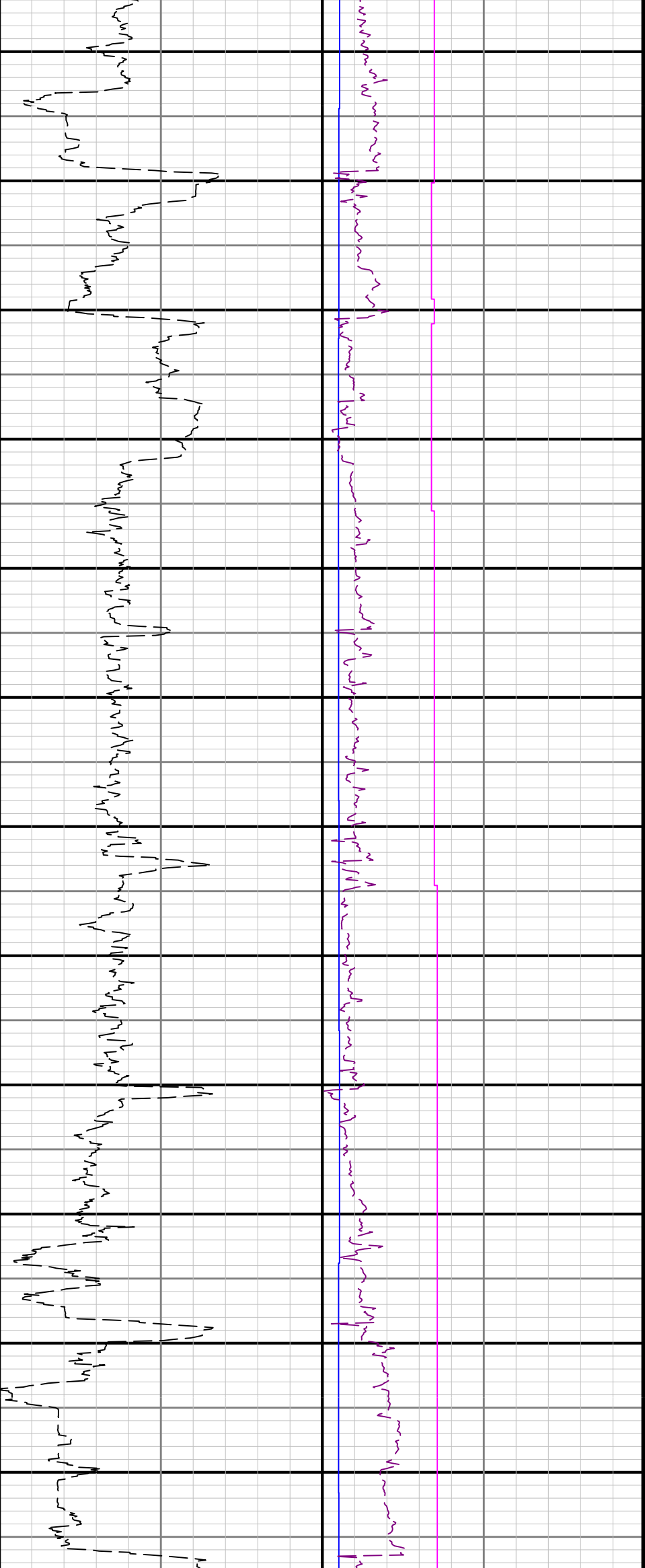
Run No.	Tool	Serial Number	Measurement	Sensor Offset (ft)	Bit Offset (ft)	Max O.D. (in)	Min I.D. (in)
1	AutoTrak Curve Steering Unit	14514942	Near Bit Inclination	5.93	6.78	7.000	4.330
1	AutoTrak Curve Steering Unit	14514942	Near Bit VSS	5.93	6.78	7.000	4.330
1	AutoTrak Curve MWD	12168856	Gamma (single)	2.76	13.65	7.000	3.250
1	AutoTrak Curve MWD	12168856	Directional (mag)	12.27	23.16	7.000	3.250

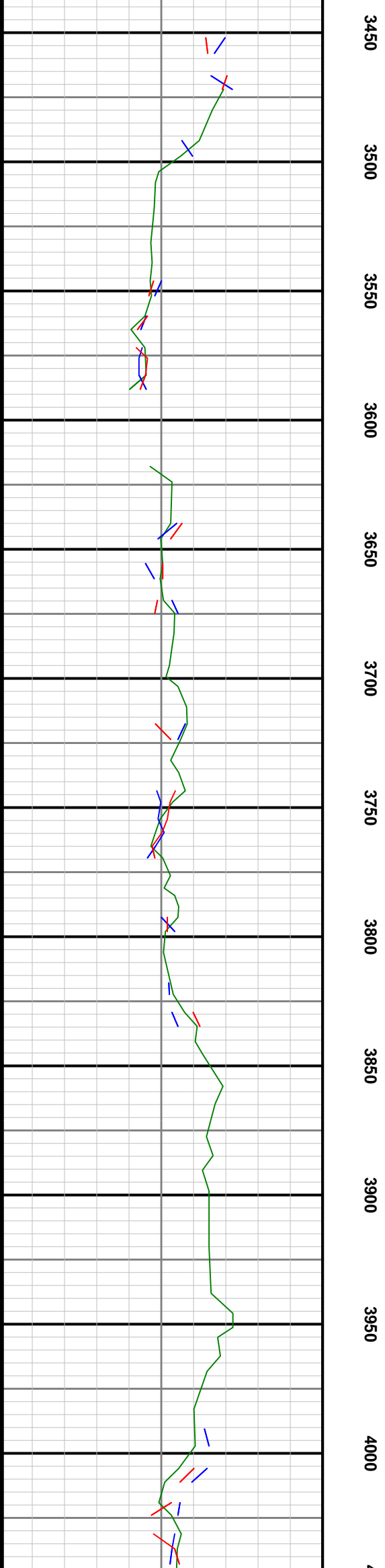
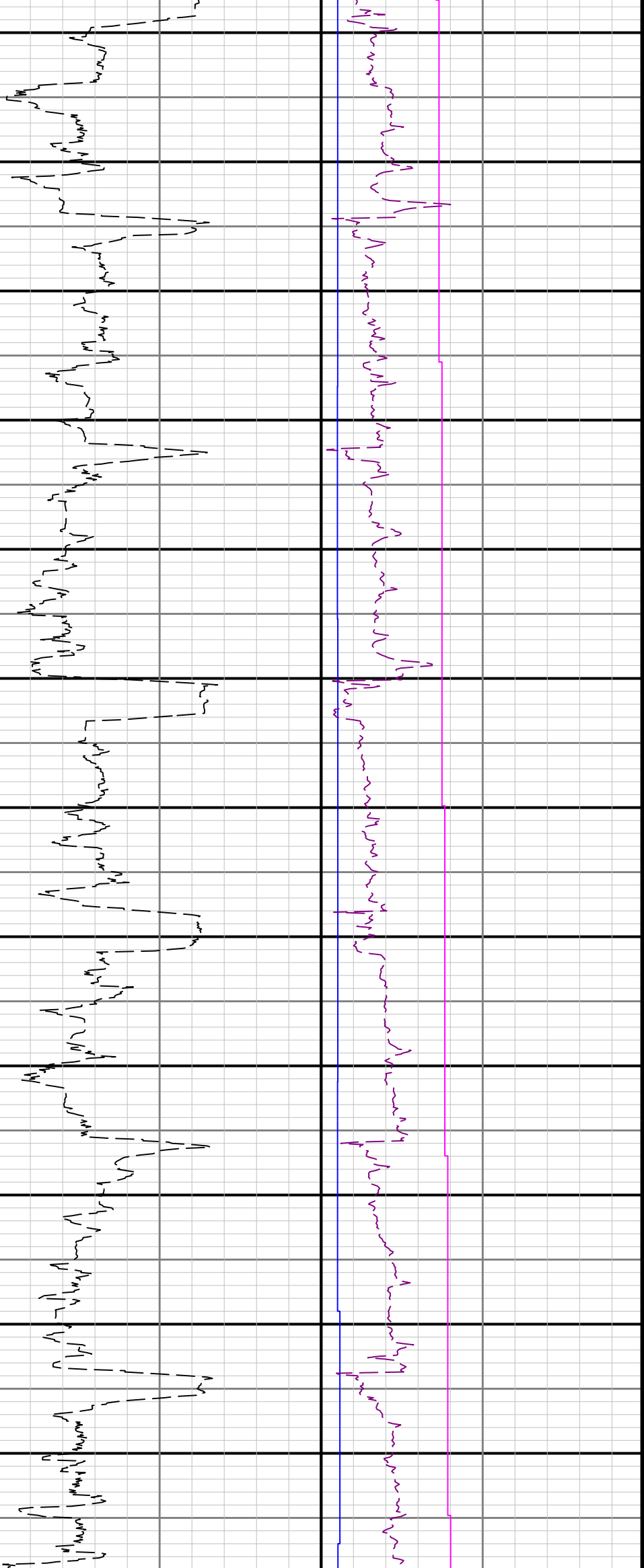
Service and Tool Mnemonics

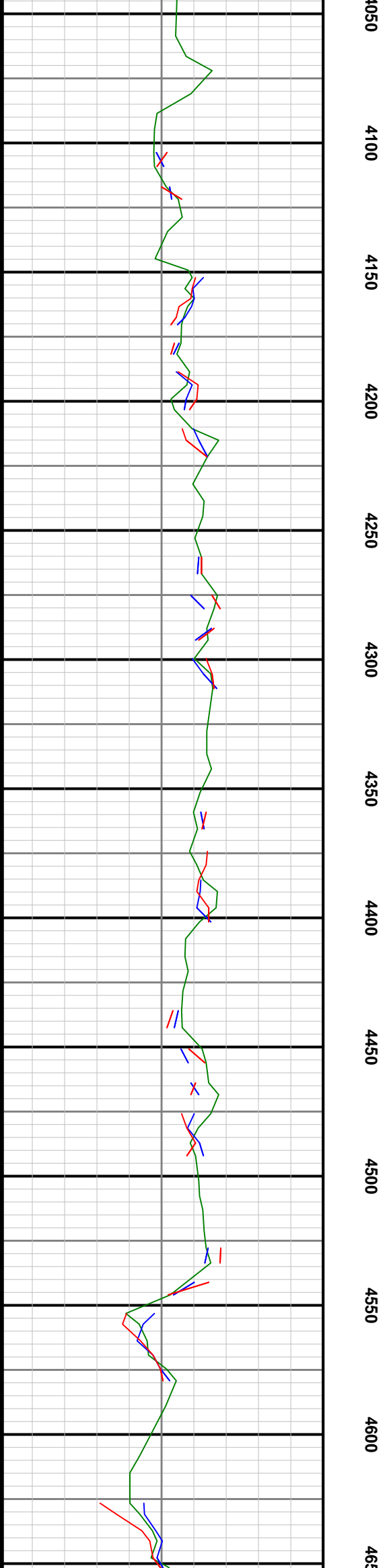
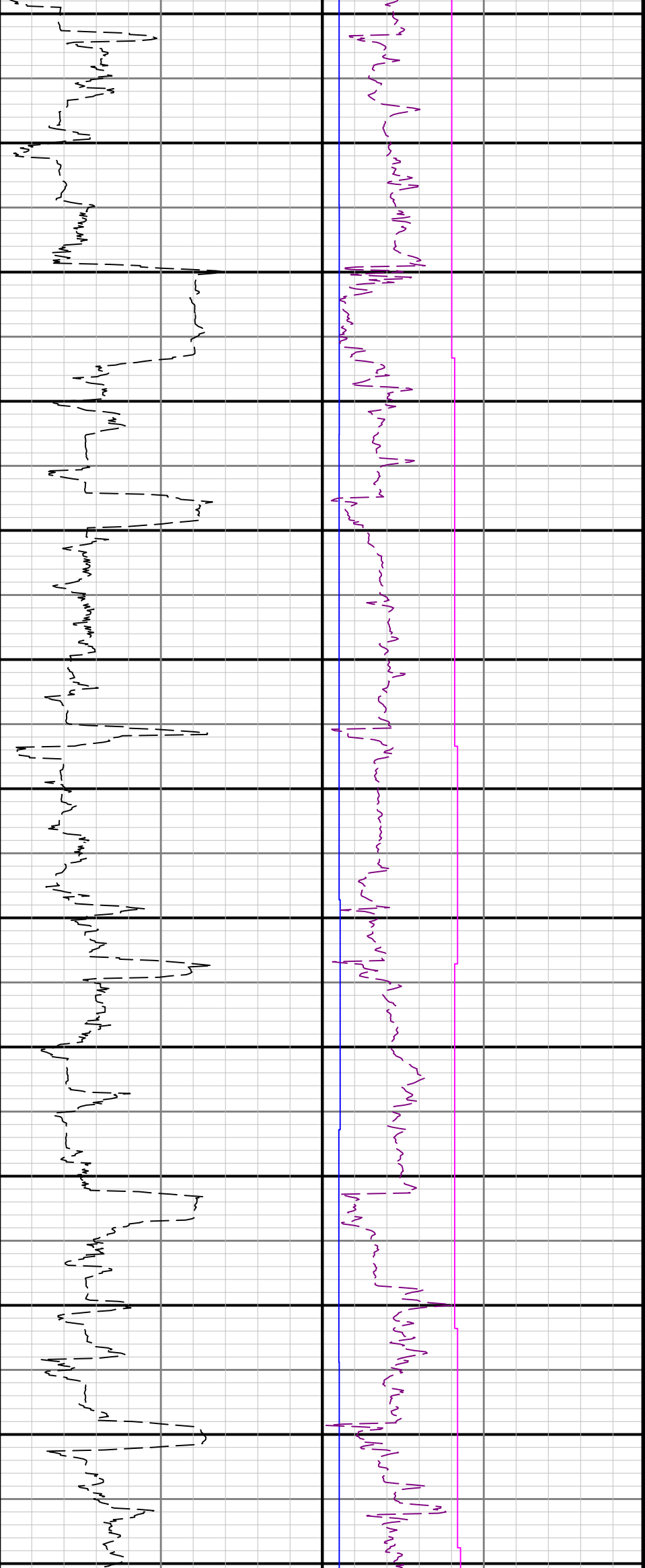
Mnemonic	Name	Description
ATC SU	AutoTrak Curve SU	Auto Trak Curve Steering Unit
ATC MWD	AutoTrak Curve MWD	Auto Trak Curve MWD
ATC LCPM	AutoTrak Curve LCPM	Auto Trak Curve LCPM

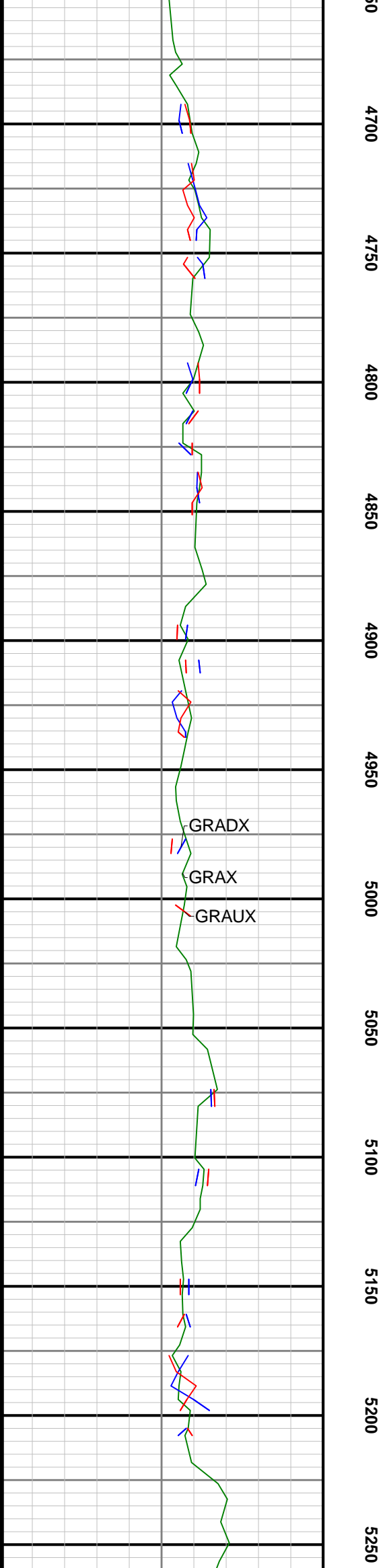
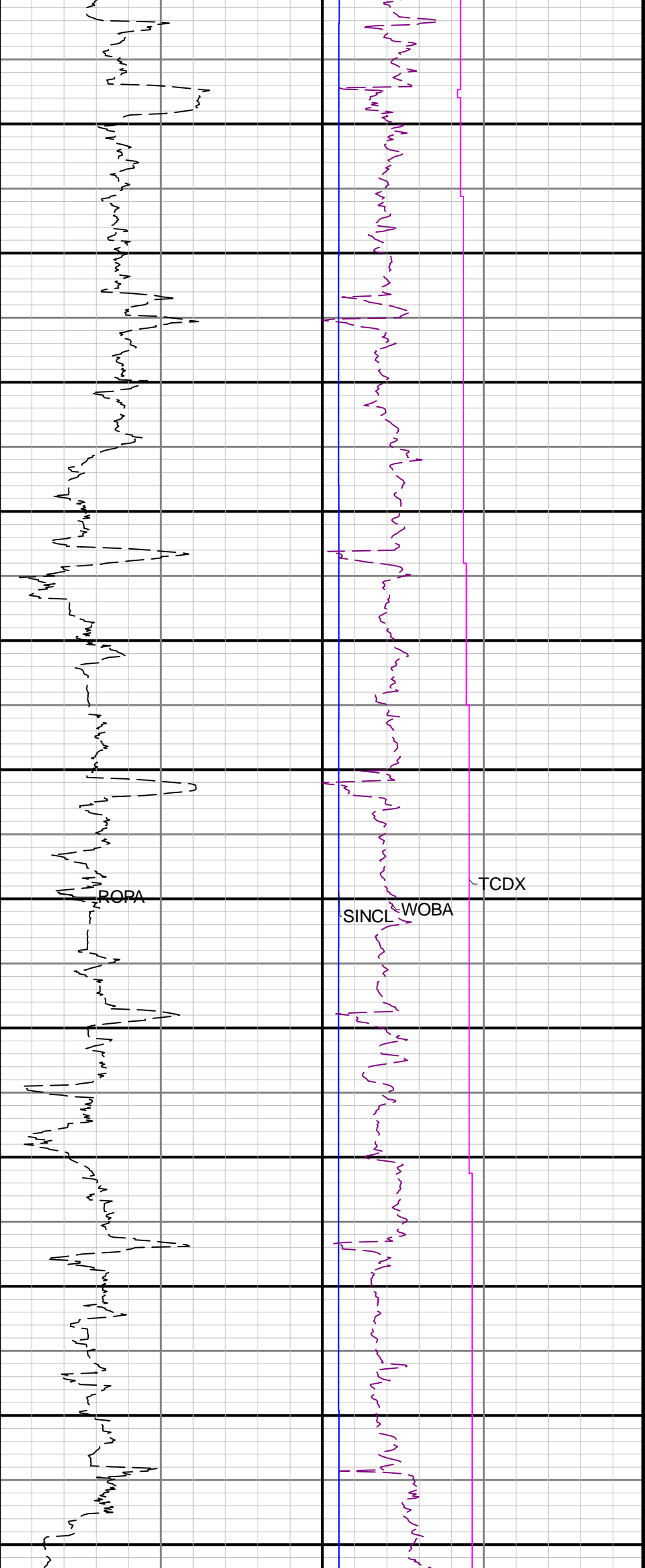


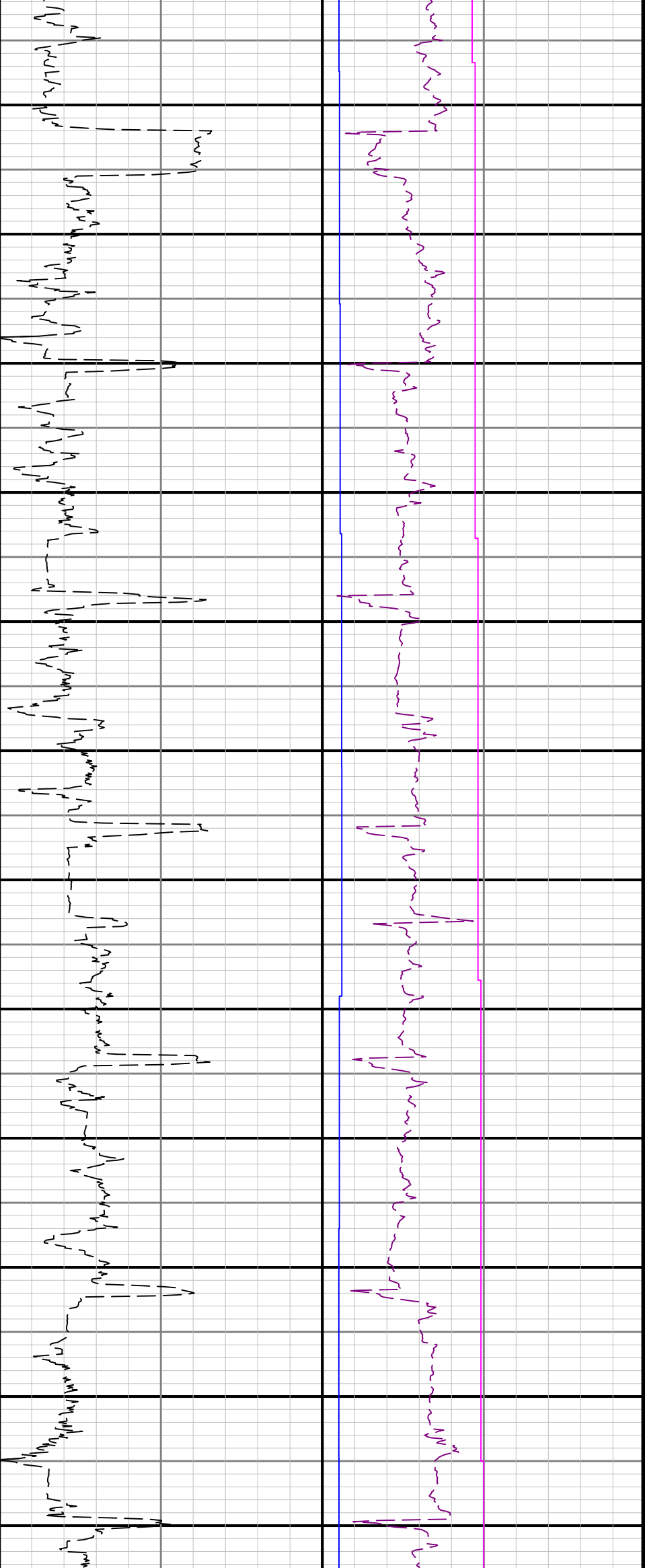












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