



INTEQ

Company : Apache

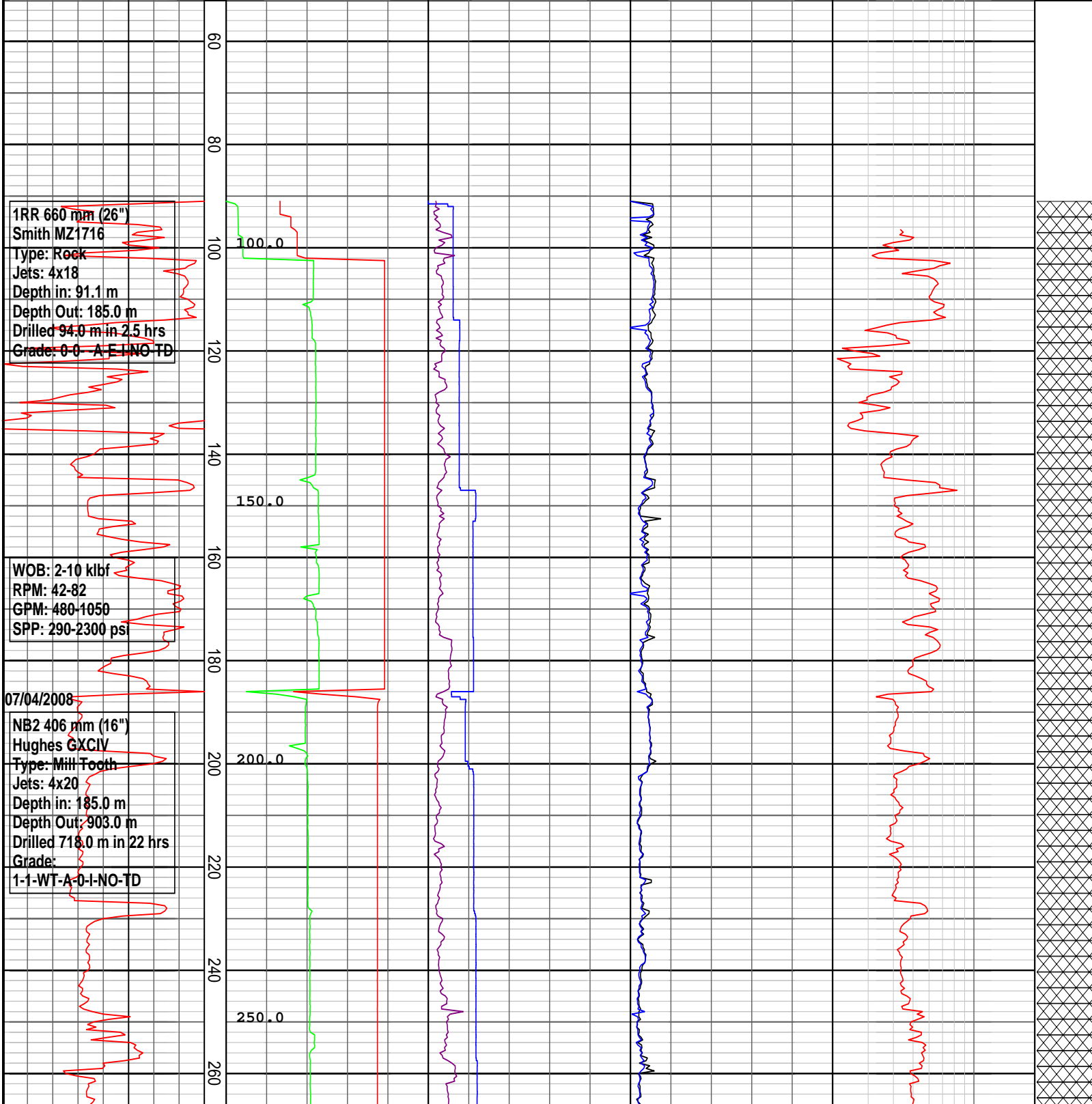
Well : Speke South-1

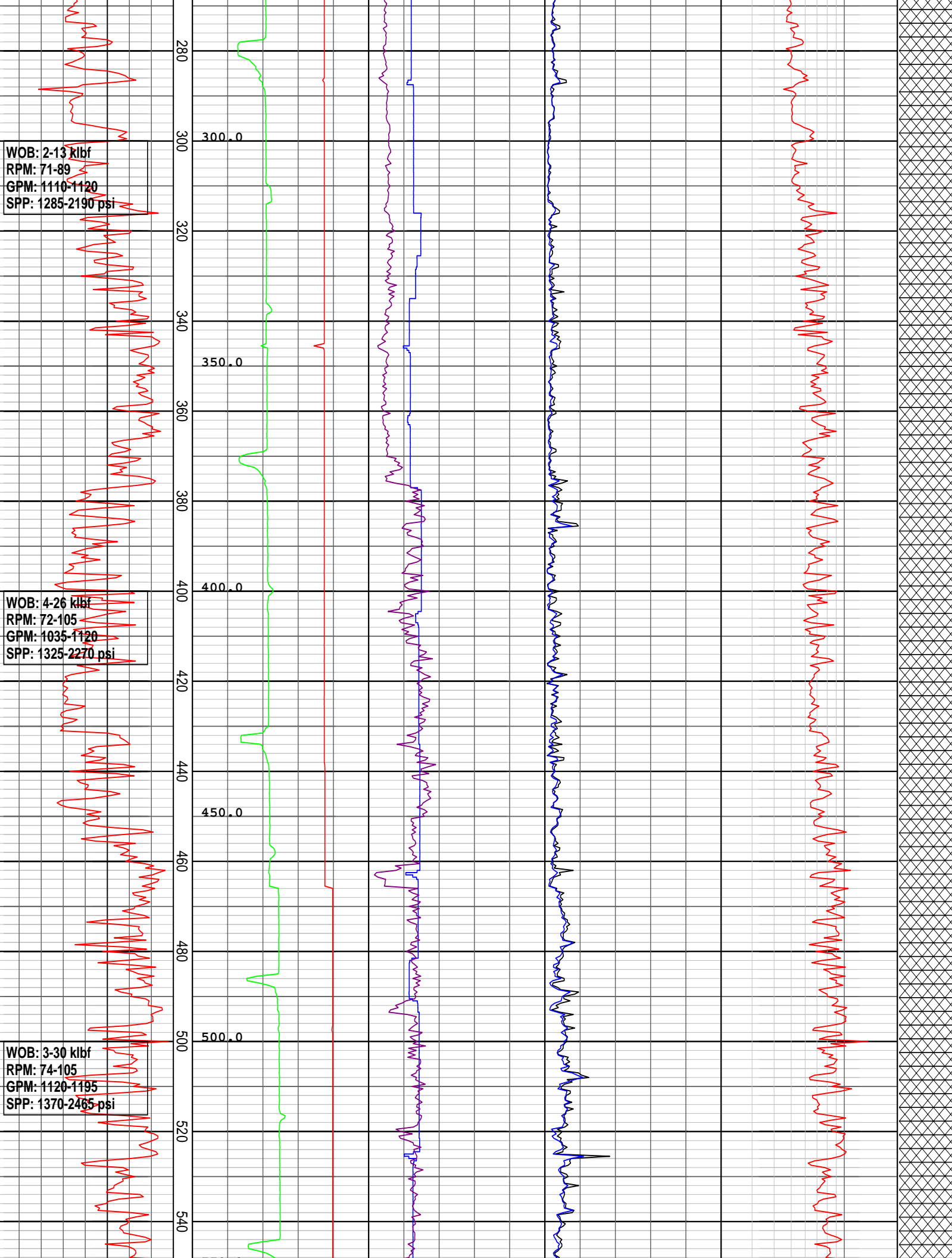
Interval : 52.00 - 2888.76 meters

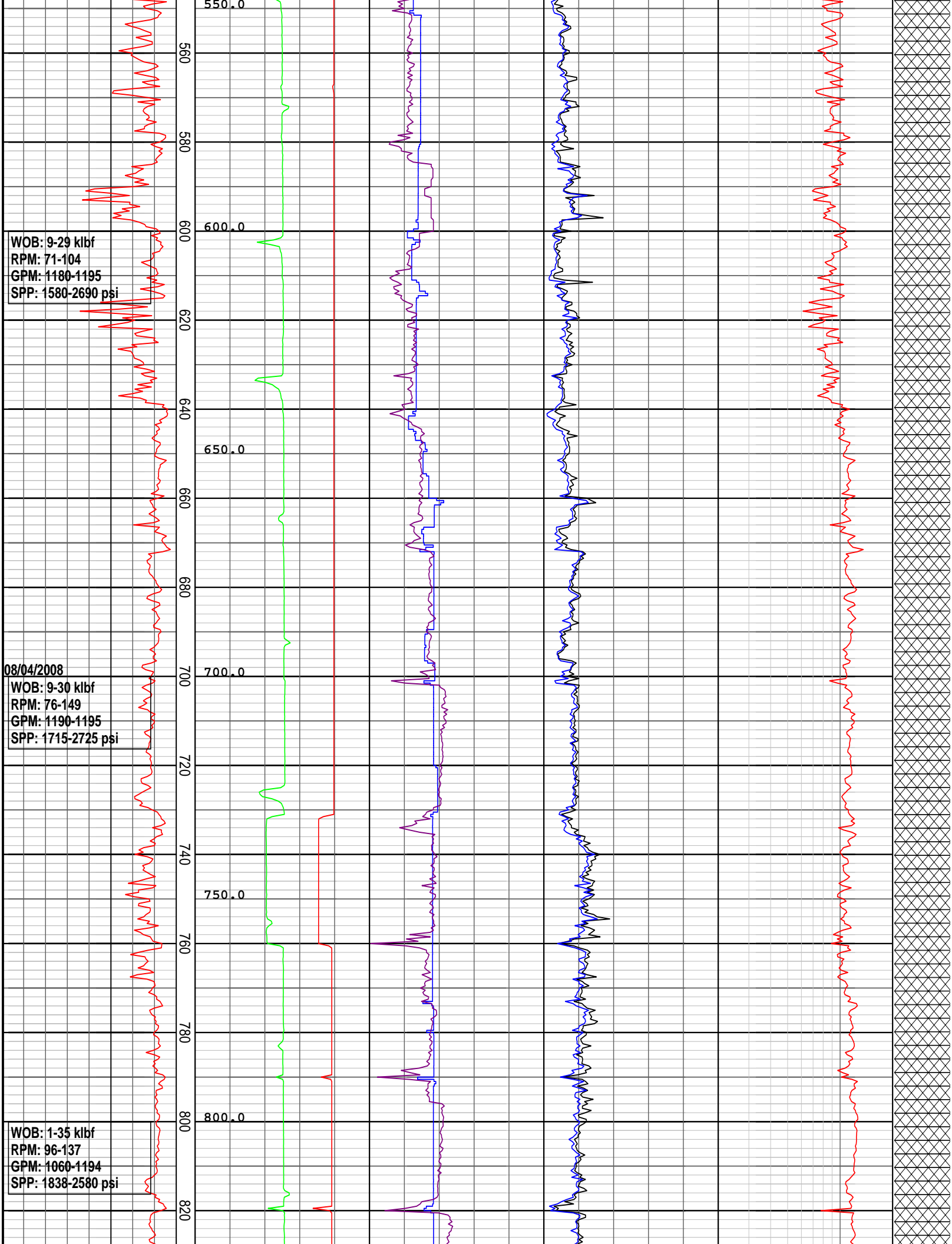
Created : 16/Apr/2008 6:19:36 AM

### DRILLING DATA PLOT

ROP (m/hr) 200   175   150   125   100   75   50   25	MD meters : 1:1000	FLOW IN (gpm) 300   600   900   1200   1500	RPM Avg 70   140   210   280   350	TORQUE Max (kft-lb) 5   10   15   20   25	DXC 0.2	2	INTERPRETED LITHOLOGY
		STANDPIPE (psi) 1000   2000   3000   4000   5000	WOB Avg (klbs) 16   32   48   64   80	TORQUE Avg (kft-lb) 5   10   15   20   25			
		VDEPTH					







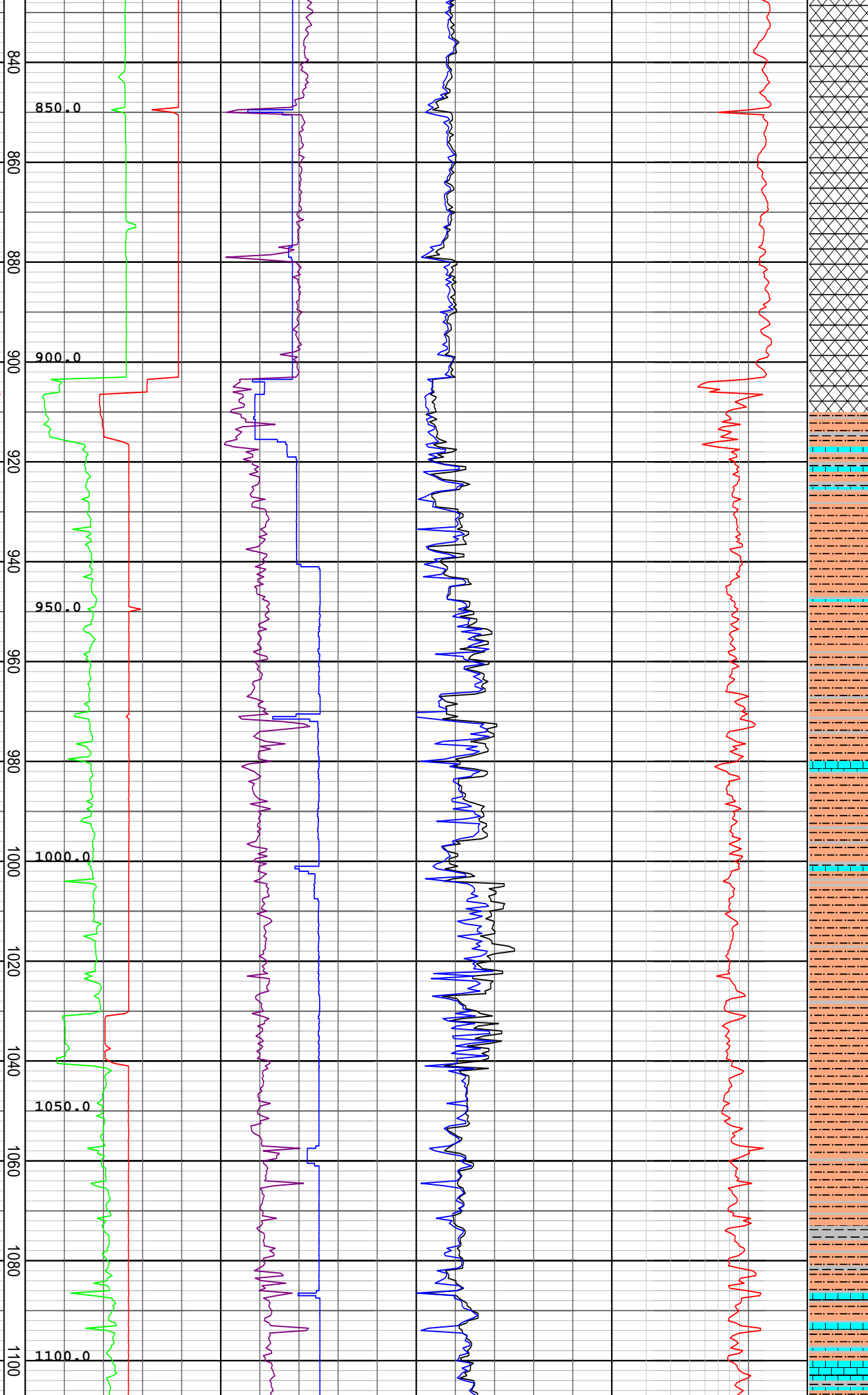
Set 20" x 13-3/8" Csg @  
896.3 mMDRT

NB3 311 mm (12 1/4")  
Smith  
Type: XP-GPS  
Jets: No Jets  
Depth in: 903.0 m  
Depth Out: 906.0 m  
Drilled 3.0 m in 0.6 hrs  
Grade: XXXXX

NB4 216 mm (8 1/2")  
Hughes  
Type: HG6052  
Jets: 2x16 3x15  
Depth in: 906.0 m  
Depth Out: XXXX m  
Drilled XXX m in XXX  
hrs  
Grade: XXXXX

WOB: 8-20 klbf  
RPM: 58-177  
GPM: 570-885  
SPP: 1170-2525 psi

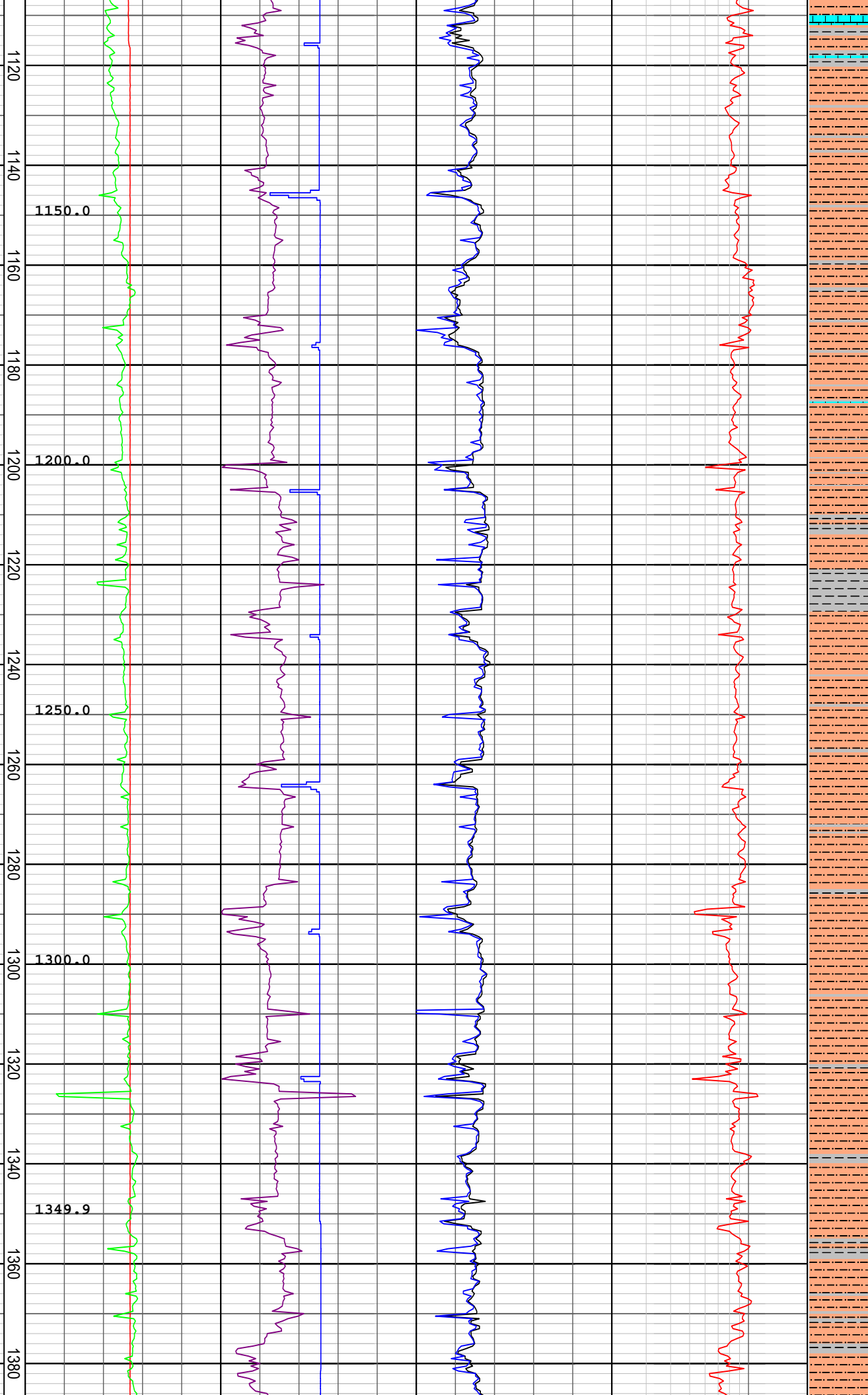
WOB: 11-22 klbf  
RPM: 132-177



GPM: 611-796  
SPP: 1500-3037 psi

WOB: 0-27 klbf  
RPM: 88-177  
GPM: 796-800  
SPP: 2586-3513 psi

WOB: 15-18 klbf  
RPM: 108-177  
GPM: 802-807  
SPP: 2534-3391 psi



1120  
1140  
1160  
1180  
1200  
1220  
1240  
1260  
1280  
1300  
1320  
1340  
1360  
1380

1150.0

1200.0

1250.0

1300.0

1349.9

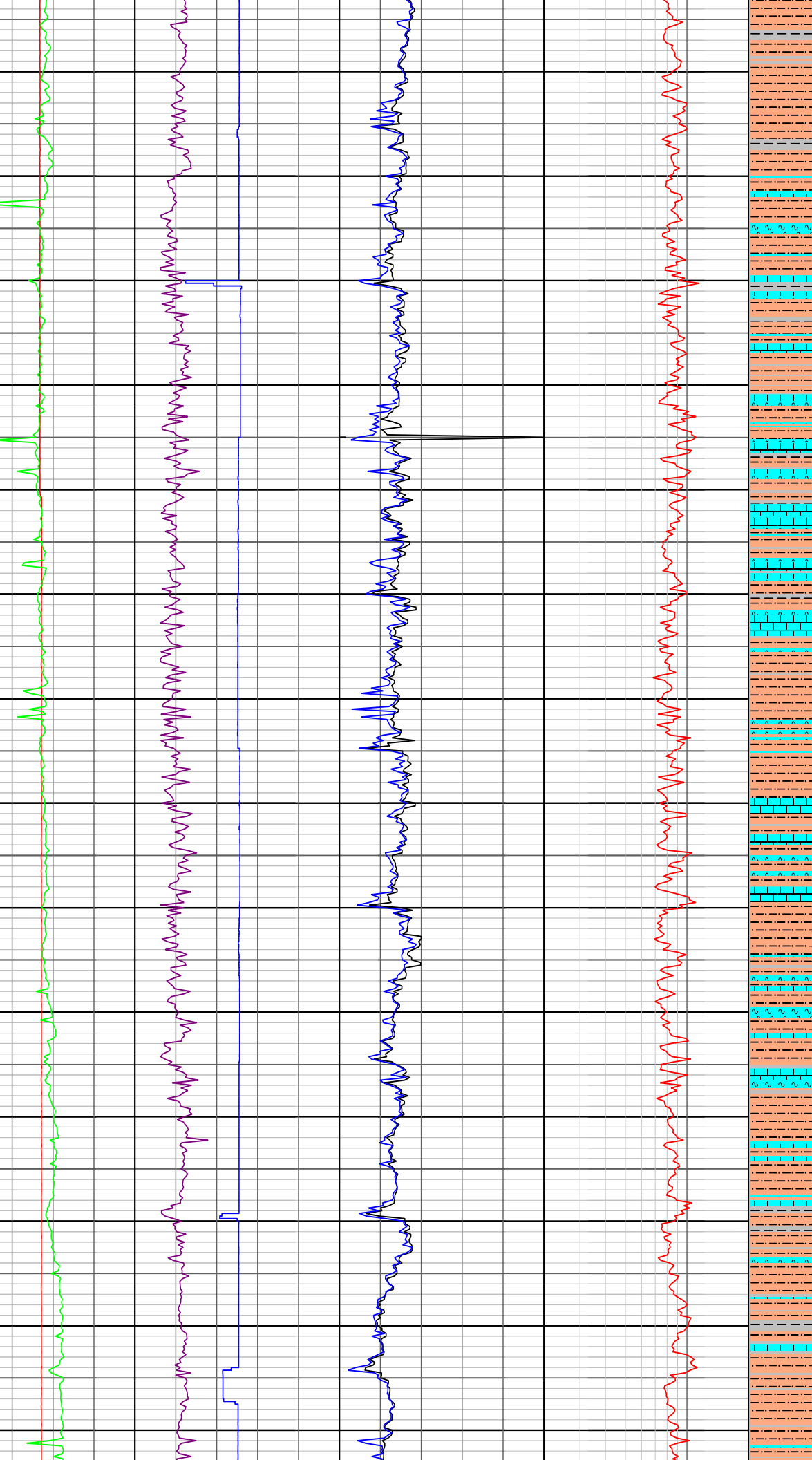
WOB: 16-20 klb  
RPM: 143-179  
GPM: 801-806  
SPP: 1494-3645 psi

WOB: 15-20 klb  
RPM: 88-183  
GPM: 802-818  
SPP: 2225-3695 psi

WOB: 17-20 klb  
RPM: 175-180  
GPM: 812-818  
SPP: 2833-3768 psi

1400  
1420  
1440  
1460  
1480  
1500  
1520  
1540  
1560  
1580  
1600  
1620  
1640  
1660

1399.9  
1449.9  
1499.9  
1549.9  
1599.9  
1649.9

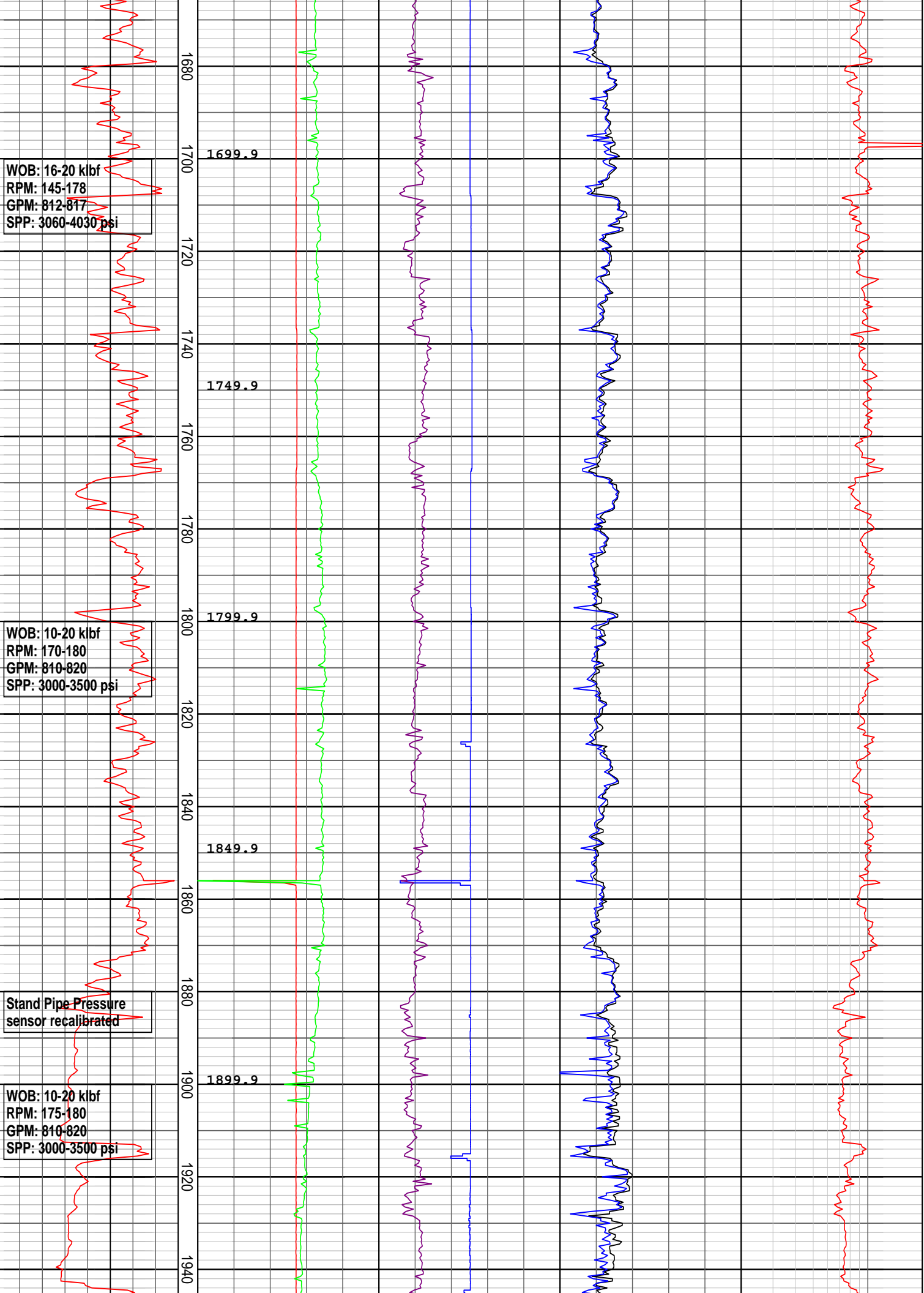


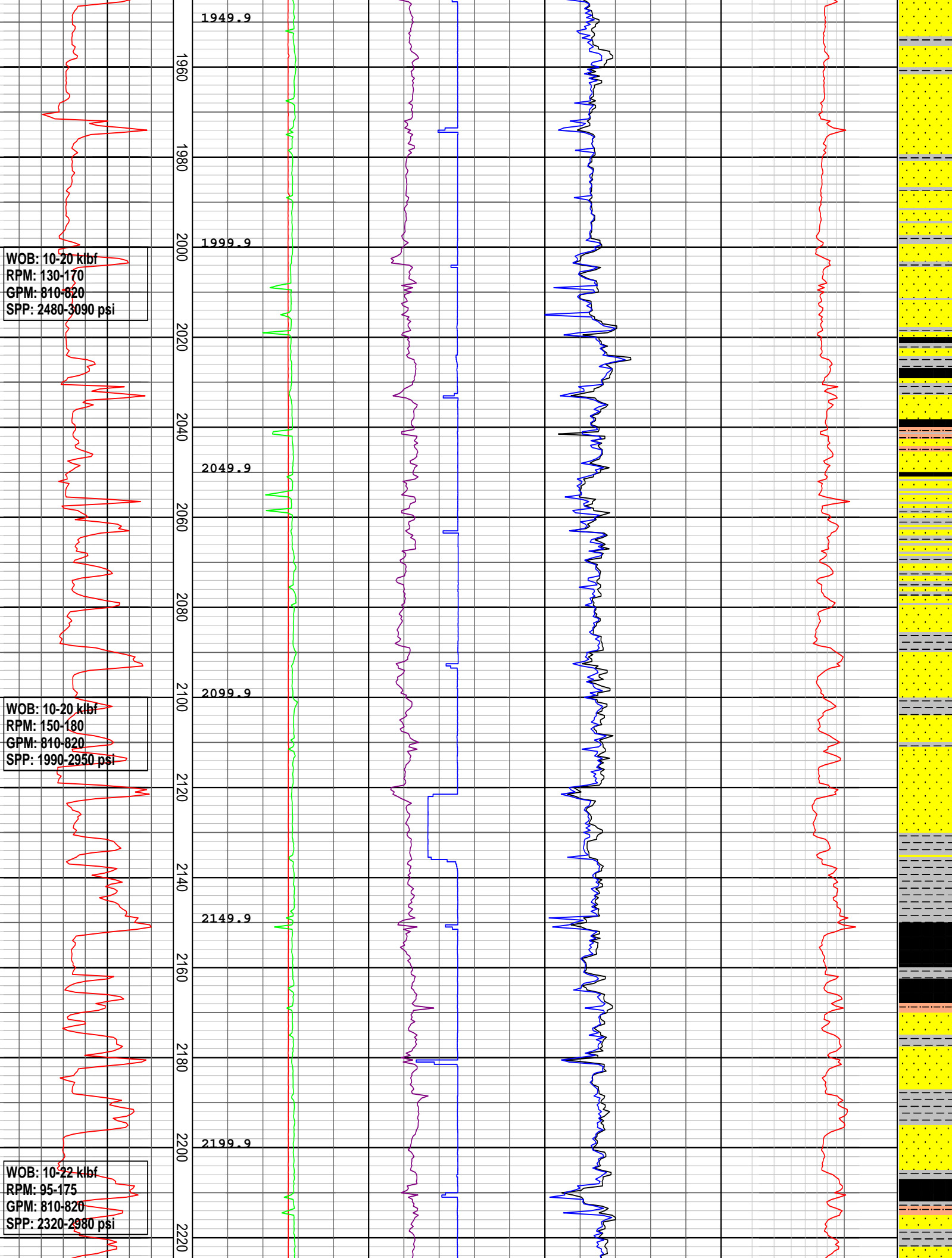
WOB: 16-20 klb  
RPM: 145-178  
GPM: 812-817  
SPP: 3060-4030 psi

WOB: 10-20 klb  
RPM: 170-180  
GPM: 810-820  
SPP: 3000-3500 psi

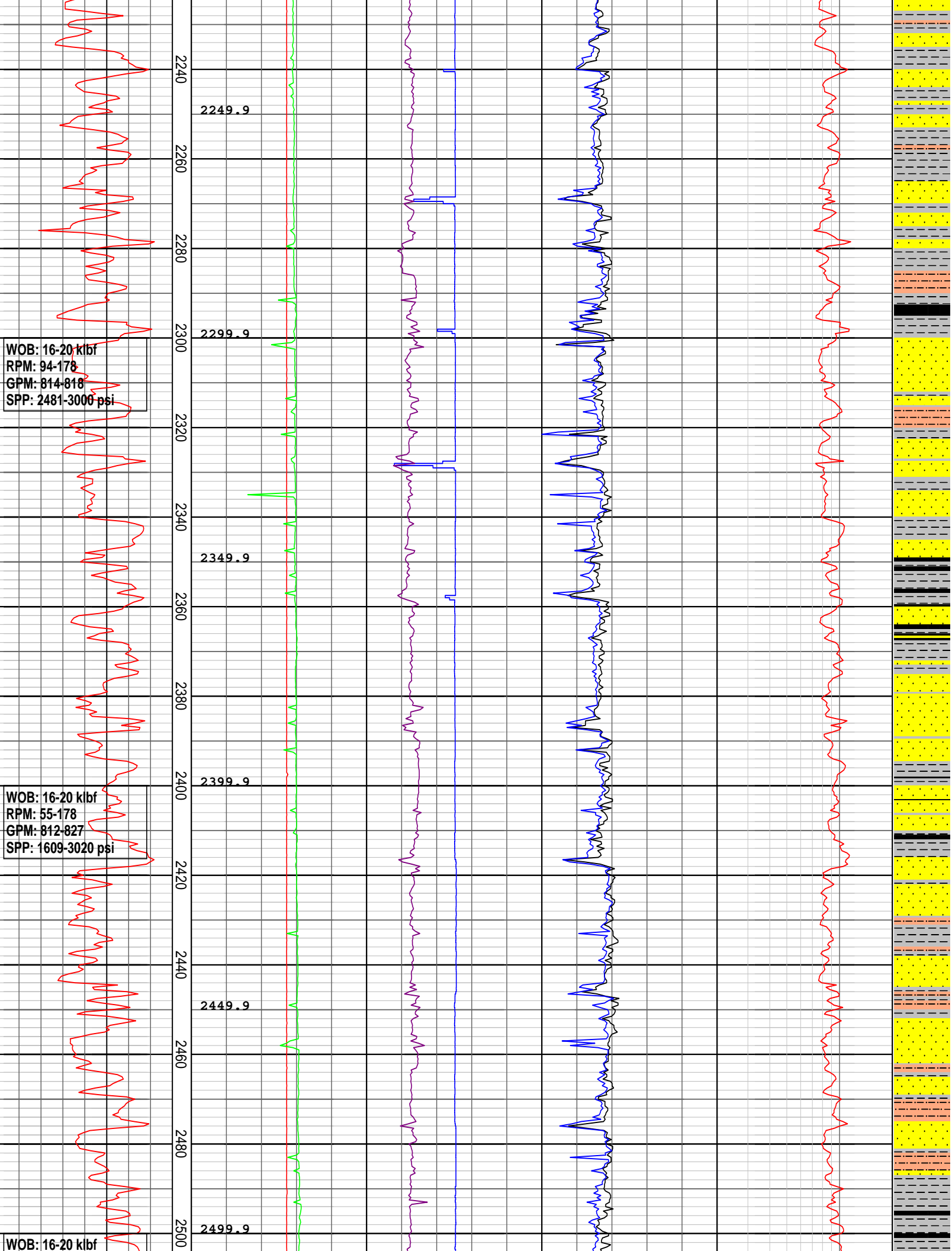
Stand Pipe Pressure  
sensor recalibrated

WOB: 10-20 klb  
RPM: 175-180  
GPM: 810-820  
SPP: 3000-3500 psi









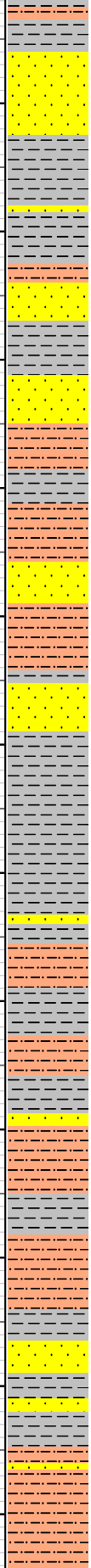
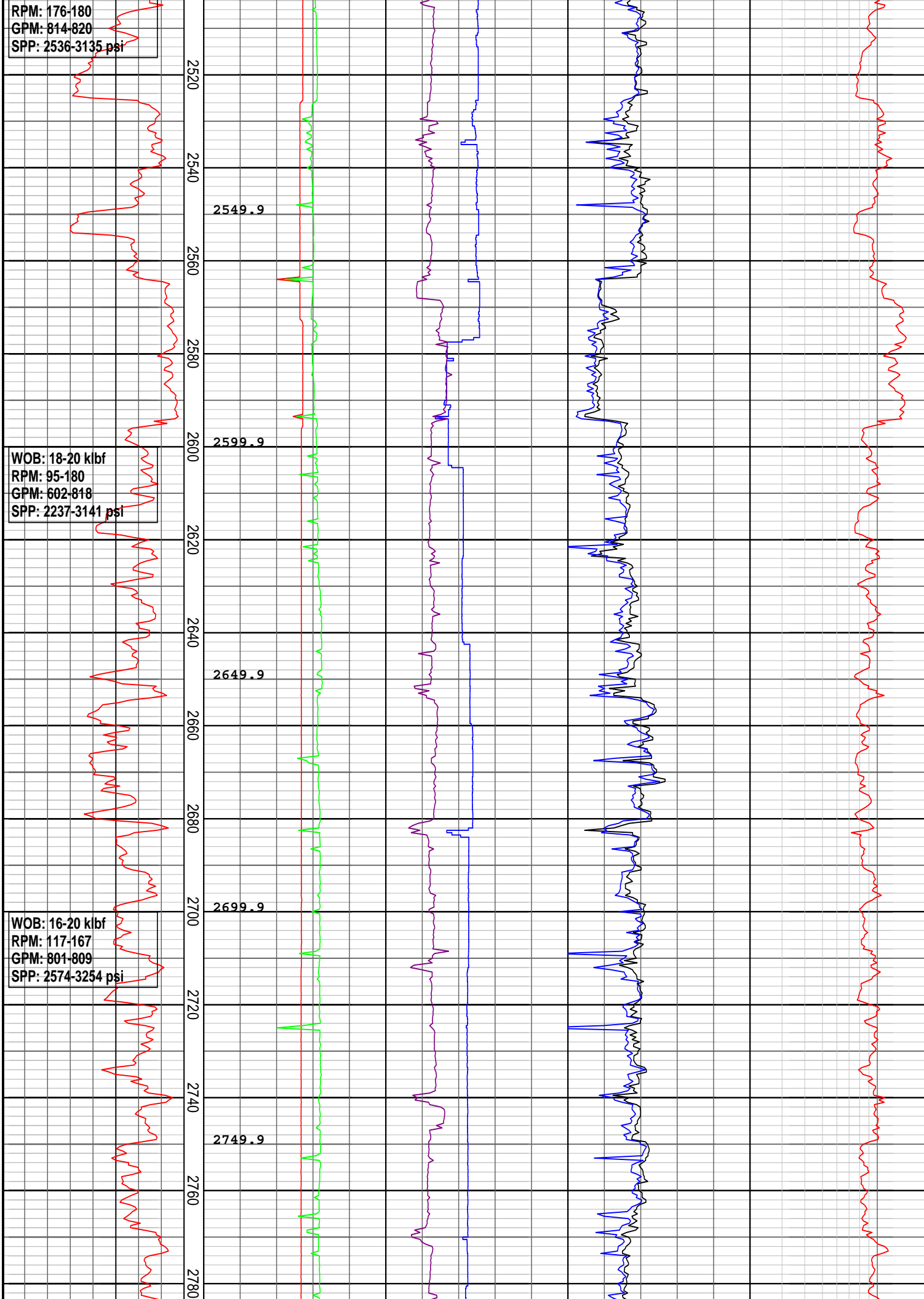
RPM: 176-180  
GPM: 814-820  
SPP: 2536-3135 psi

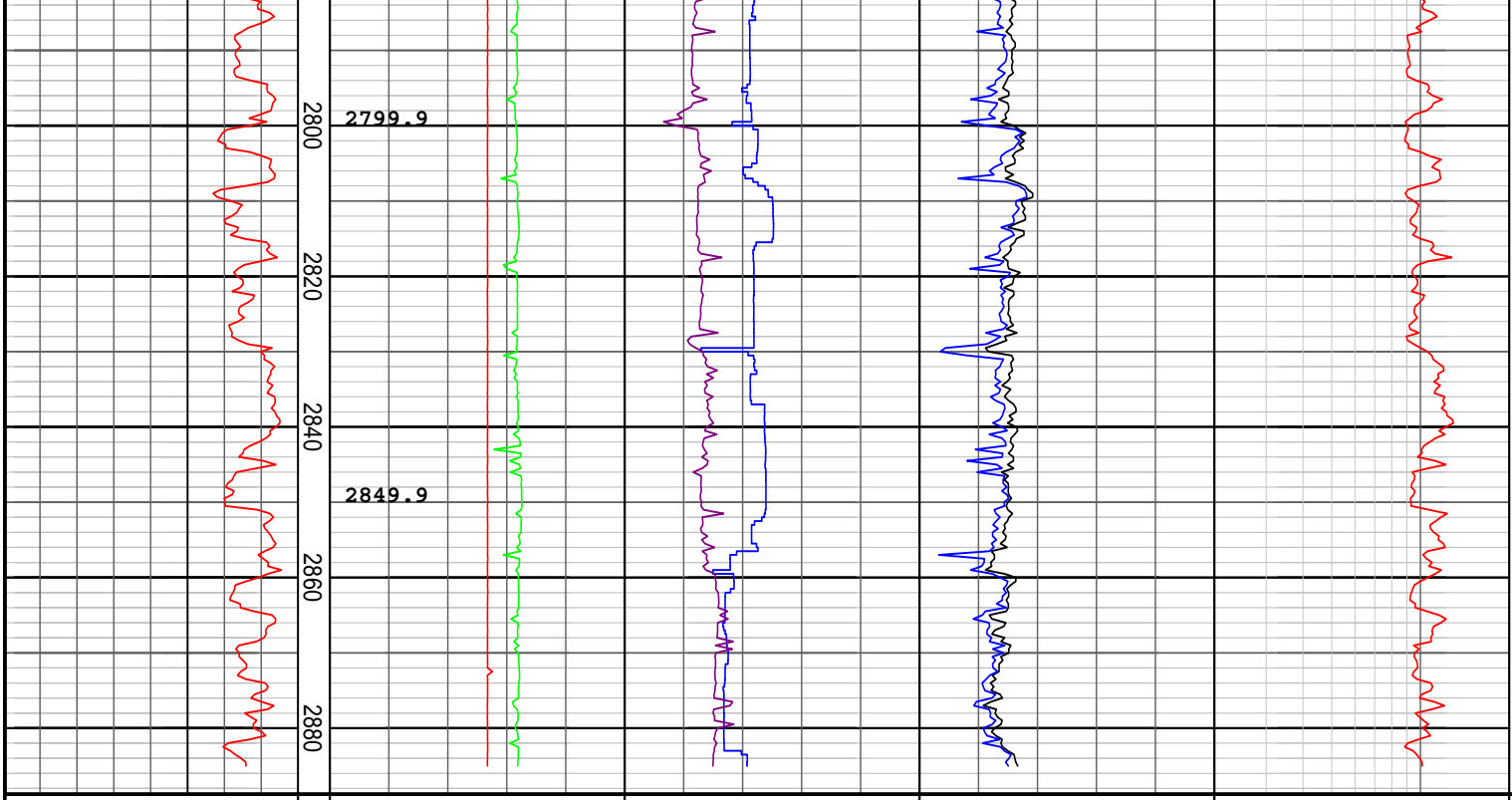
WOB: 18-20 klb  
RPM: 95-180  
GPM: 602-818  
SPP: 2237-3141 psi

WOB: 16-20 klb  
RPM: 117-167  
GPM: 801-809  
SPP: 2574-3254 psi

2520  
2540  
2560  
2580  
2600  
2620  
2640  
2660  
2680  
2700  
2720  
2740  
2760  
2780

2549.9  
2599.9  
2649.9  
2699.9  
2749.9





**DRILLING DATA PLOT**

<b>ROP (m/hr)</b>	<b>FLOW IN (gpm)</b>	<b>RPM Avg</b>	<b>TORQUE Max (kft-lb)</b>	<b>DXC</b>	<b>2</b>	INTERPRETED LITHOLOGY
200   175   150   125   100   75   50   25	300   600   900   1200   1500	70   140   210   280   350	5   10   15   20   25	0.2		
<b>MD meters 1:1000</b>	<b>STANDPIPE (psi)</b>	<b>WOB Avg (klbs)</b>	<b>TORQUE Avg (kft-lb)</b>			
	1000   2000   3000   4000   5000	16   32   48   64   80	5   10   15   20   25			
	<b>VDEPTH</b>					