



Company : Beach Petroleum Ltd

Well : Fermat-1

Interval : 77.00 - 3067.78 meters

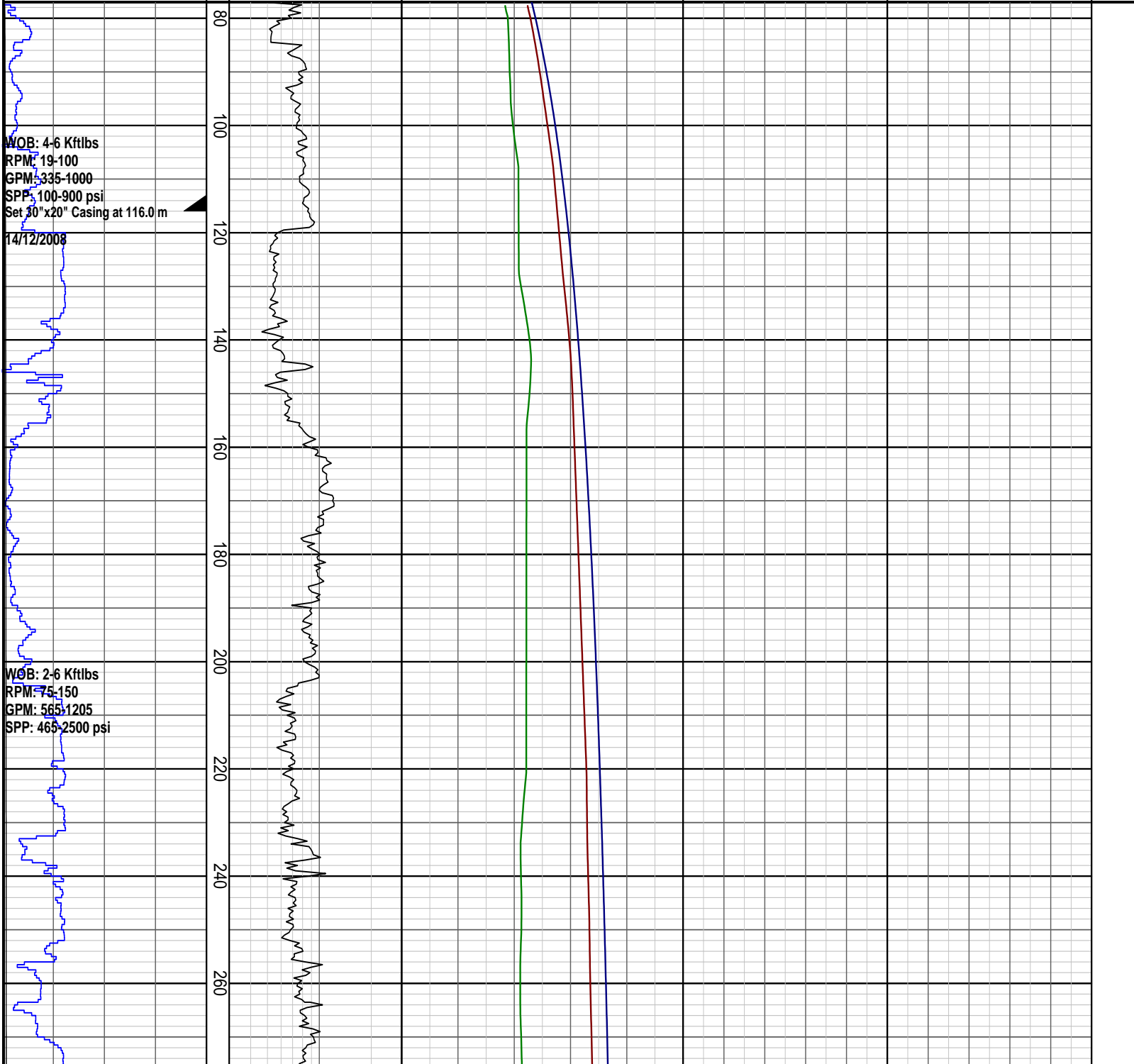
Created : 05/Jan/2009 6:10:56 AM



INTEQ

### PRESSURE DATA PLOT

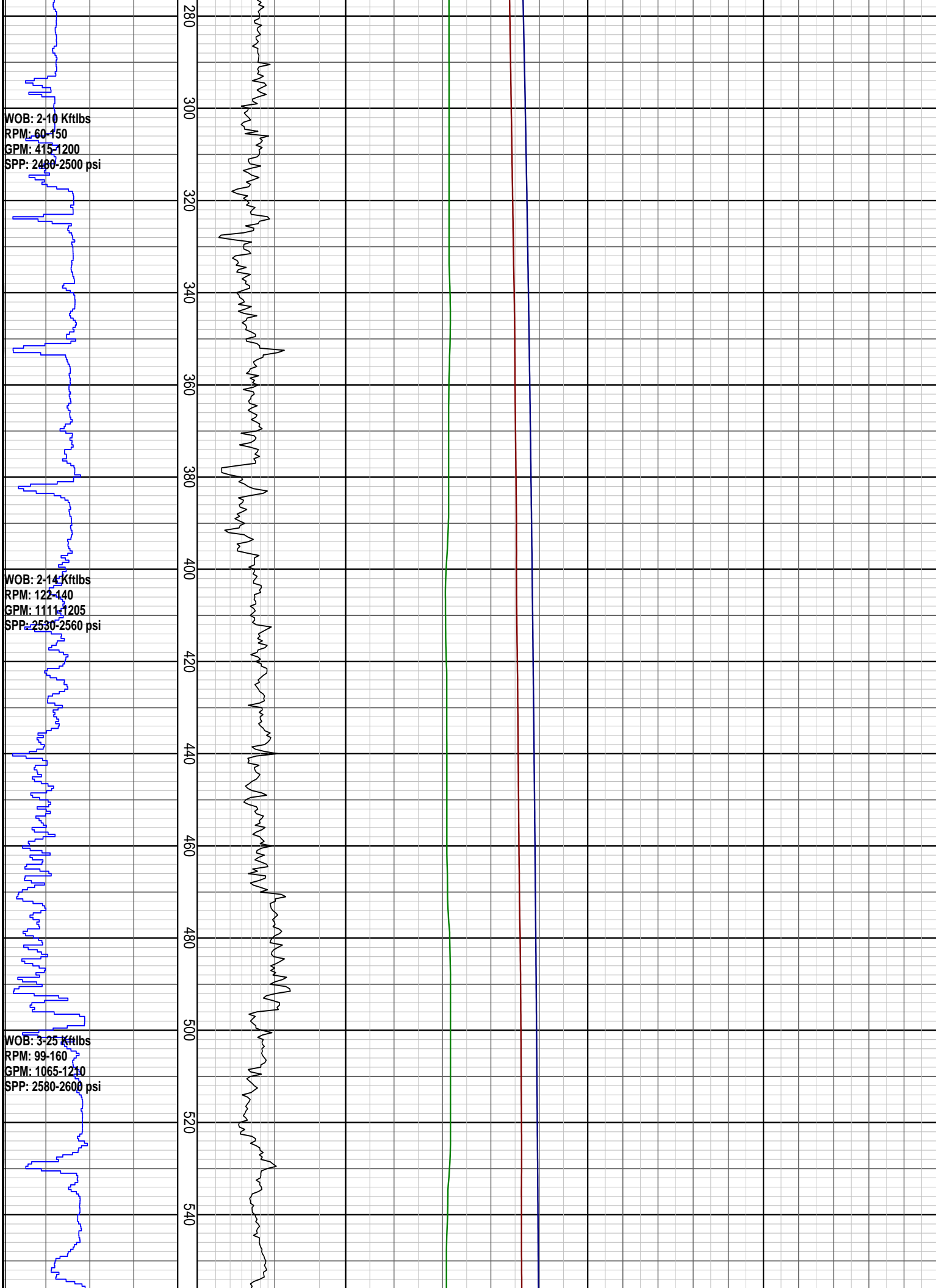
Rate of Penetration ROP m/hr	DRILLING EXPONENT DXC	PRESSURE DATA Pore Pressure ppg Fracture Pressure ppg Overburden Gradient ppg	TEMPERATURE Temperature Out degC	GAS Total Gas unit	INTERPRETED LITHOLOGY
50   100   150   200	0.3   3	4   8   12   16   20	20   40   60   80   100	50   100   150   200   250	

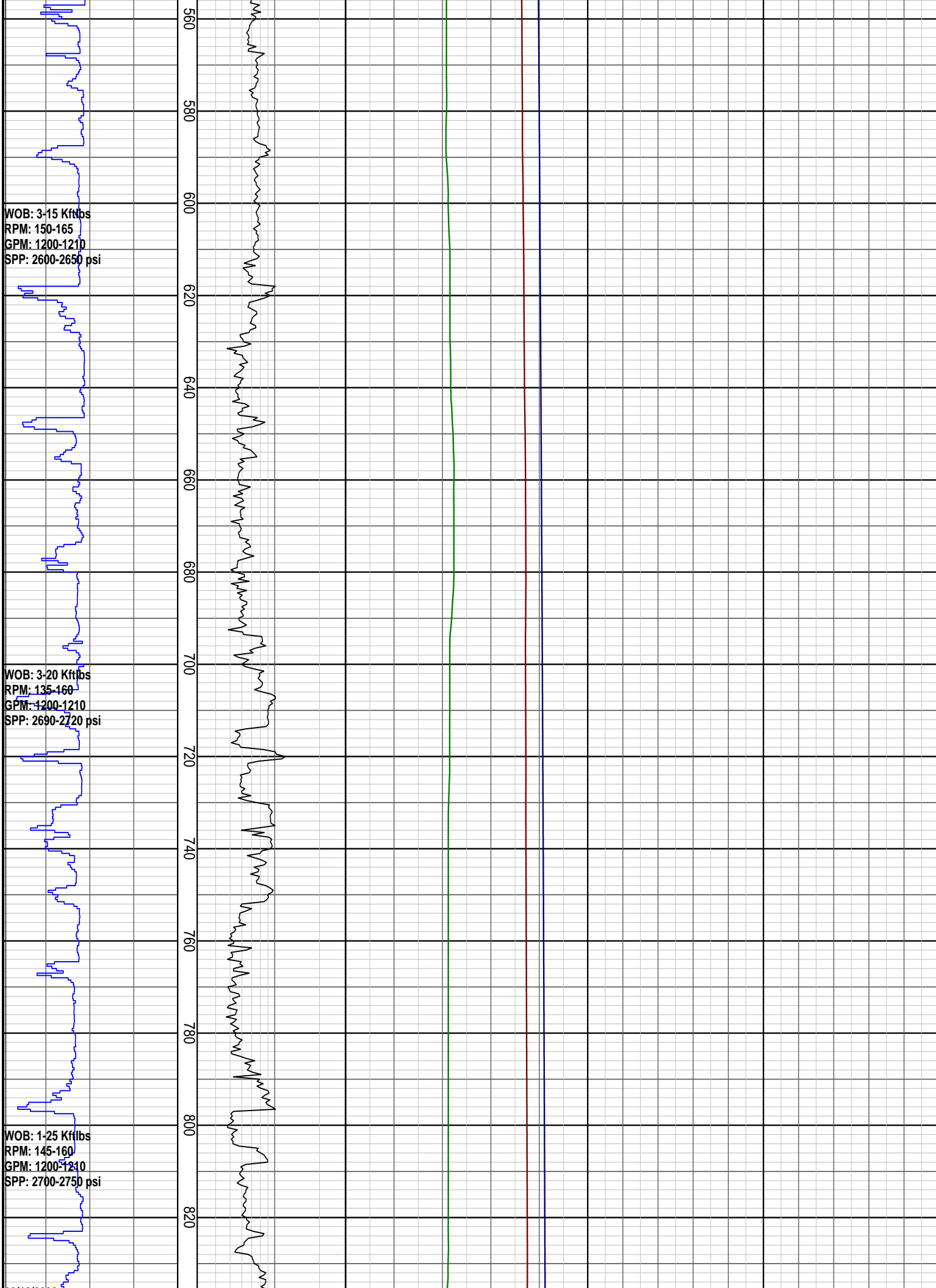


WOB: 4-6 Kftlbs  
 RPM: 19-100  
 GPM: 335-1000  
 SPP: 100-900 psi  
 Set 30"x20" Casing at 116.0 m

14/12/2008

WOB: 2-6 Kftlbs  
 RPM: 75-150  
 GPM: 565-1205  
 SPP: 465-2500 psi





WOB: 3-15 Kftlbs  
RPM: 150-165  
GPM: 1200-1210  
SPP: 2600-2650 psi

WOB: 3-20 Kftlbs  
RPM: 135-160  
GPM: 1200-1210  
SPP: 2690-2720 psi

WOB: 1-25 Kftlbs  
RPM: 145-160  
GPM: 1200-1210  
SPP: 2700-2750 psi

16/12/2008

WOB: 4-25 Kftlbs  
RPM: 120-155  
GPM: 1200-1210  
SPP: 2780-2800 psi

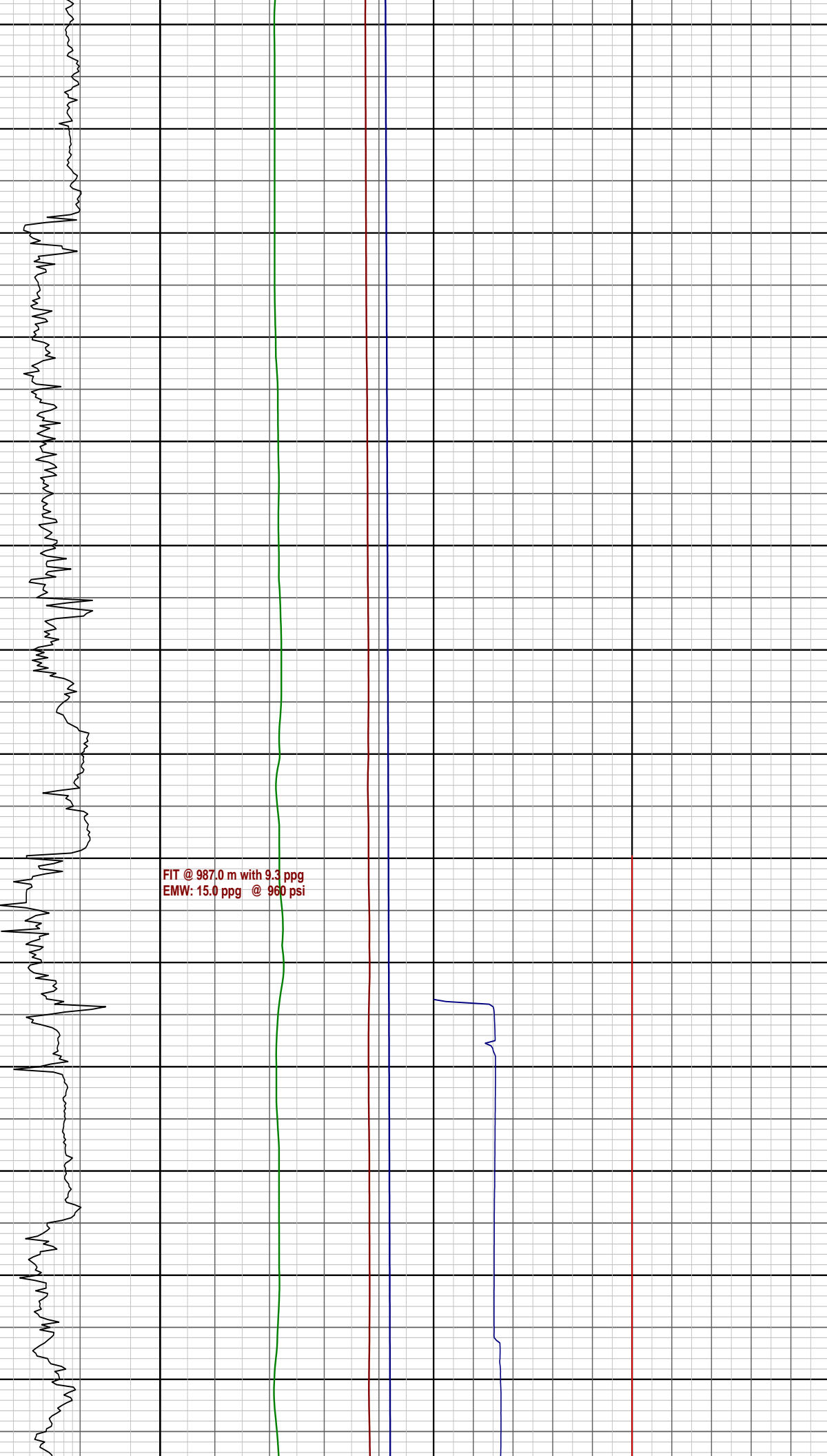
WOB: 4-25 Kftlbs  
RPM: 105-155  
GPM: 1200-1210  
SPP: 2300-2800 psi  
Set 13-3/8" Casing at 987.0 m

19/12/2008

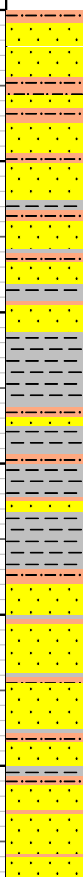
20/12/2008

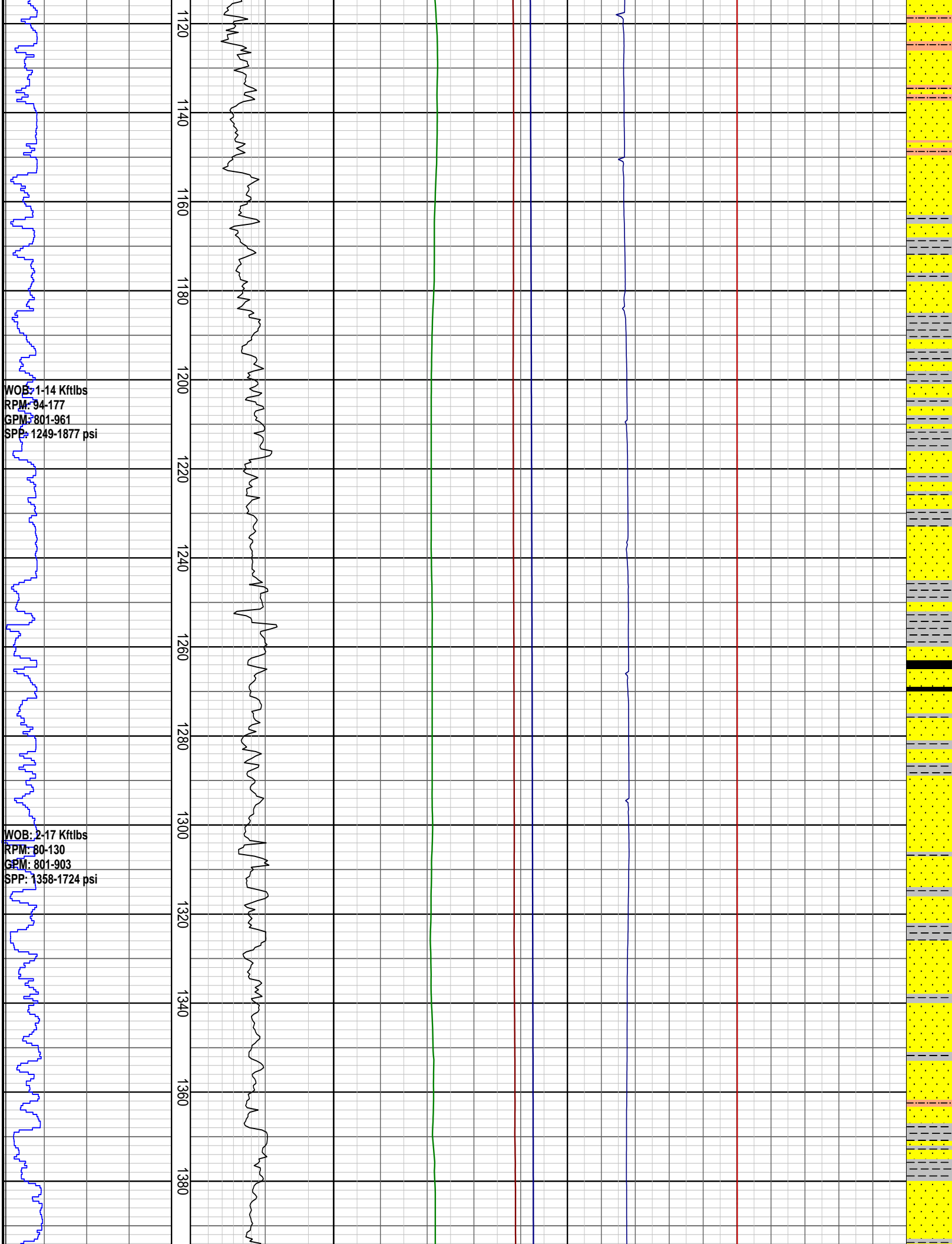
WOB: 1-8 Kftlbs  
RPM: 20-177  
GPM: 290-1006  
SPP: 915-2045 psi

840  
860  
880  
900  
920  
940  
960  
980  
1000  
1020  
1040  
1060  
1080  
1100



FIT @ 987.0 m with 9.3 ppg  
EMW: 15.0 ppg @ 960 psi





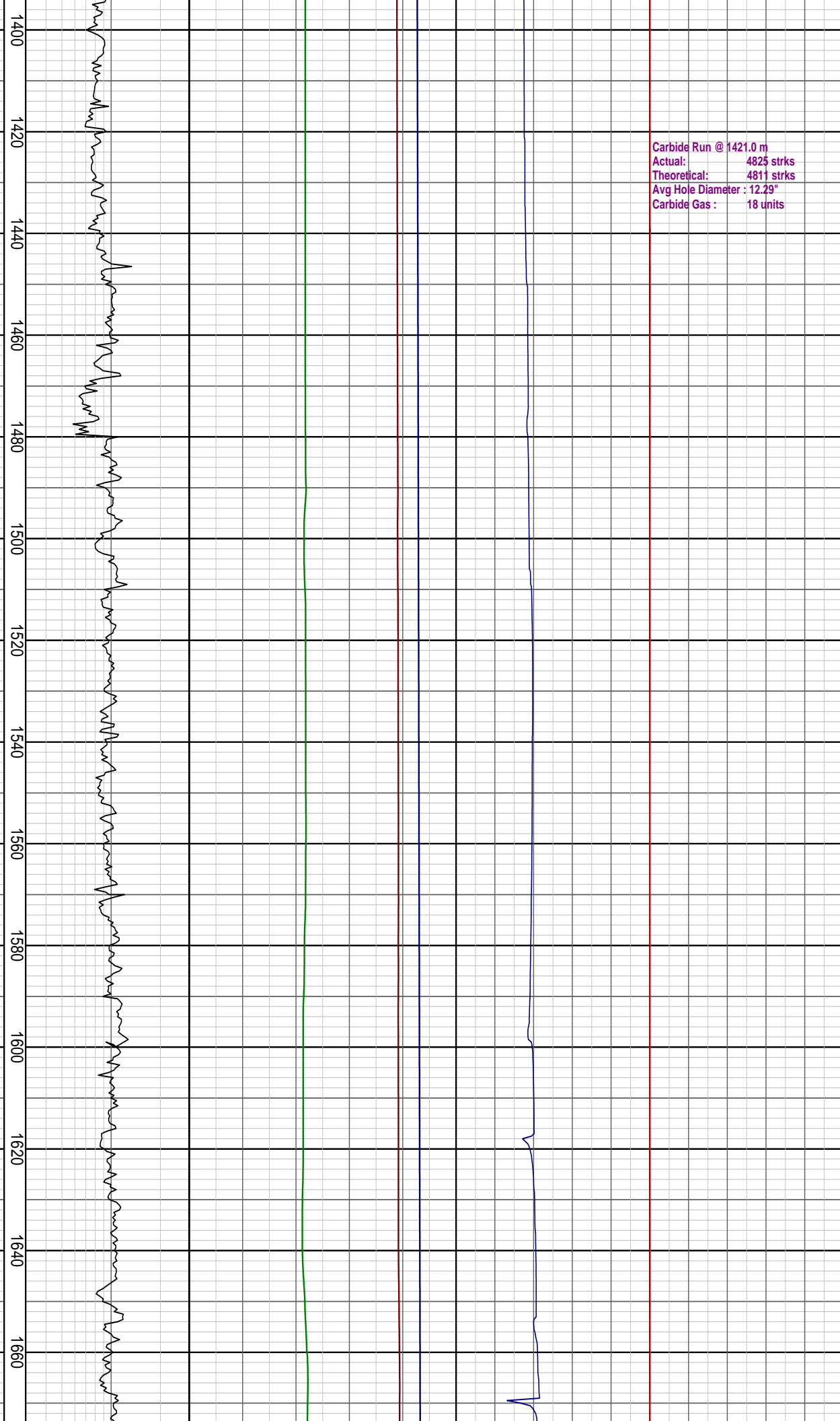
WOB: 4-18 Kftlbs  
RPM: 120-148  
GPM: 798-807  
SPP: 1445-1500 psi

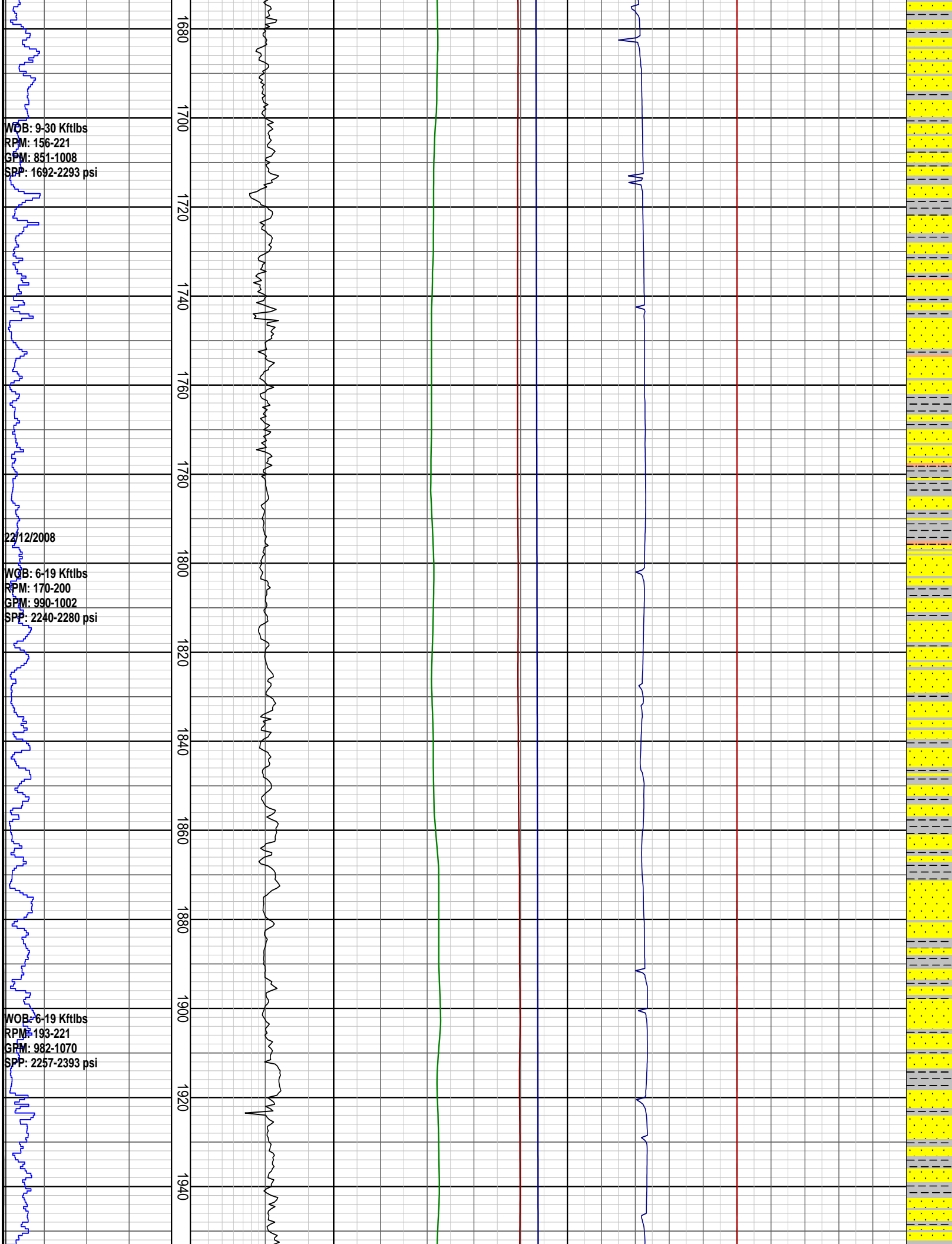
2/11/2008

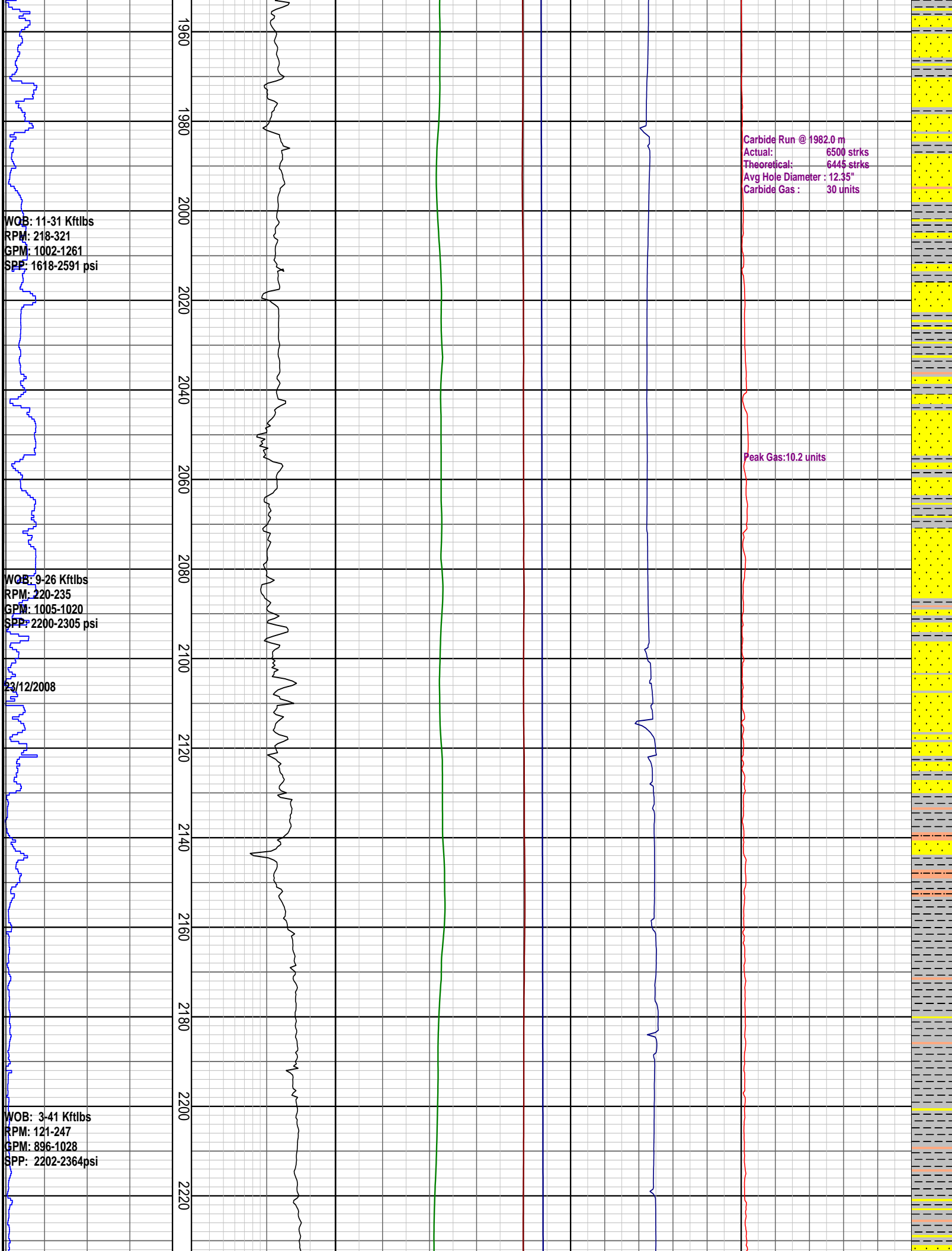
WOB: 1-18 Kftlbs  
RPM: 98-148  
GPM: 800-925  
SPP: 1470-1950 psi

WOB: 9-26 Kftlbs  
RPM: 117-170  
GPM: 803-1008  
SPP: 1437-2267 psi

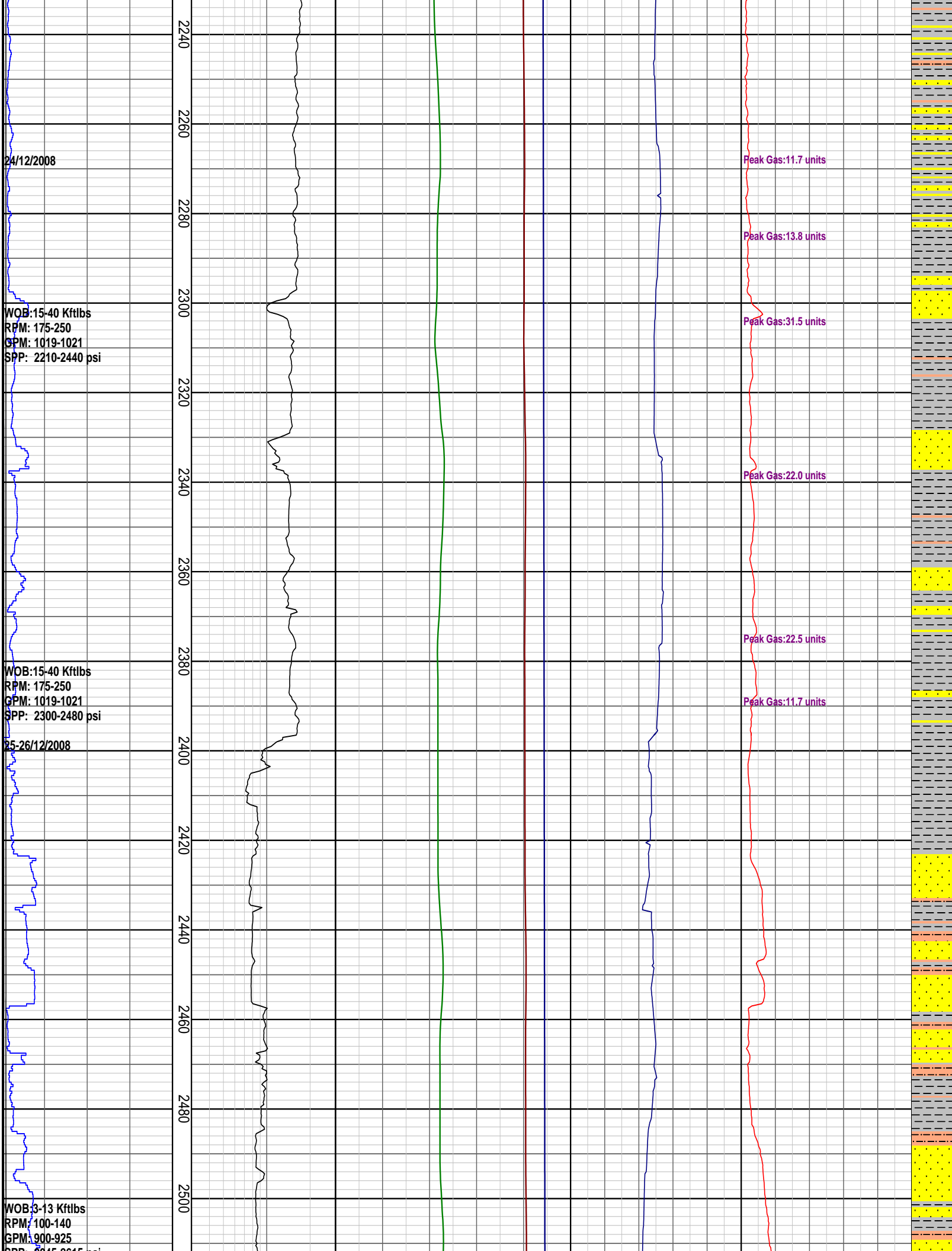
Carbide Run @ 1421.0 m  
Actual: 4825 strks  
Theoretical: 4811 strks  
Avg Hole Diameter : 12.29"  
Carbide Gas : 18 units

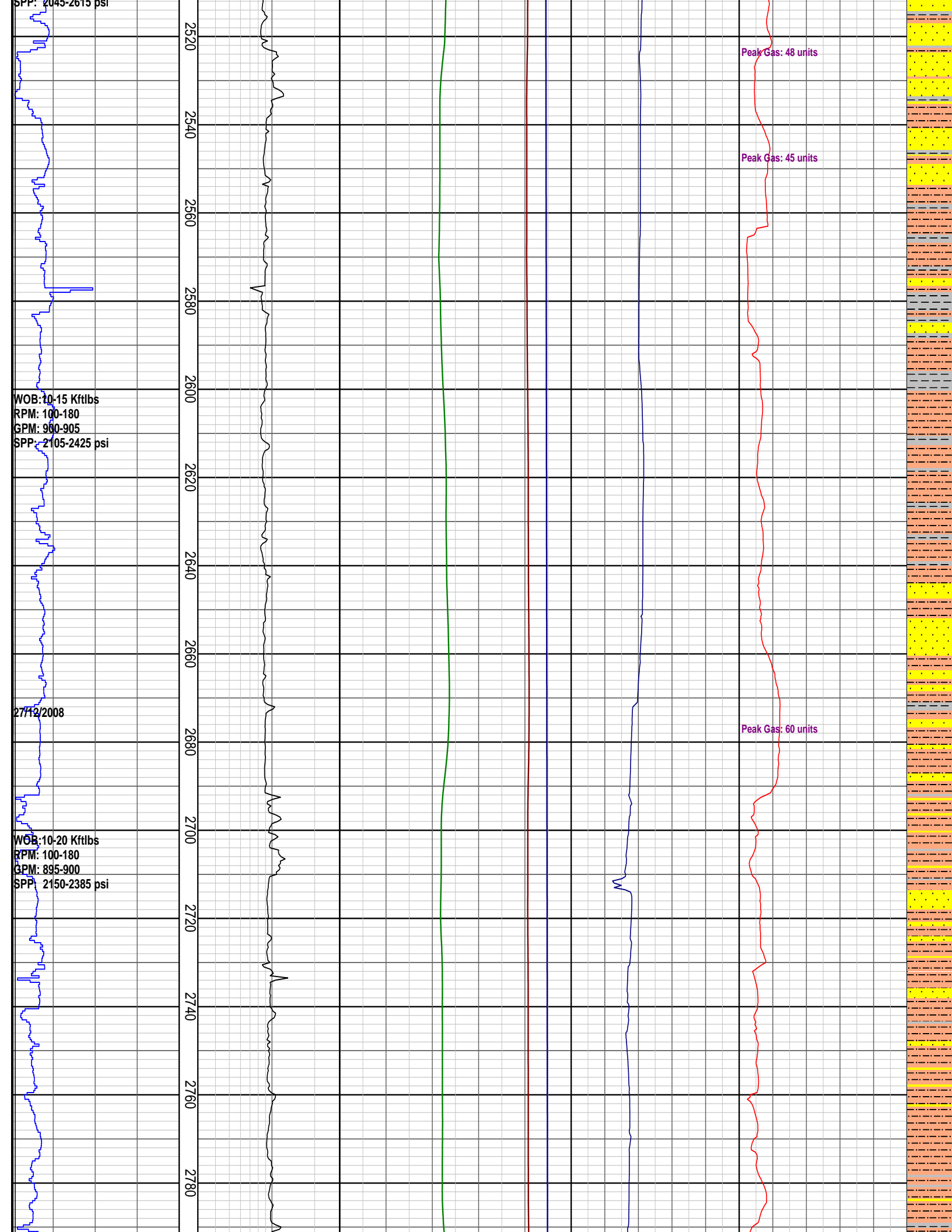












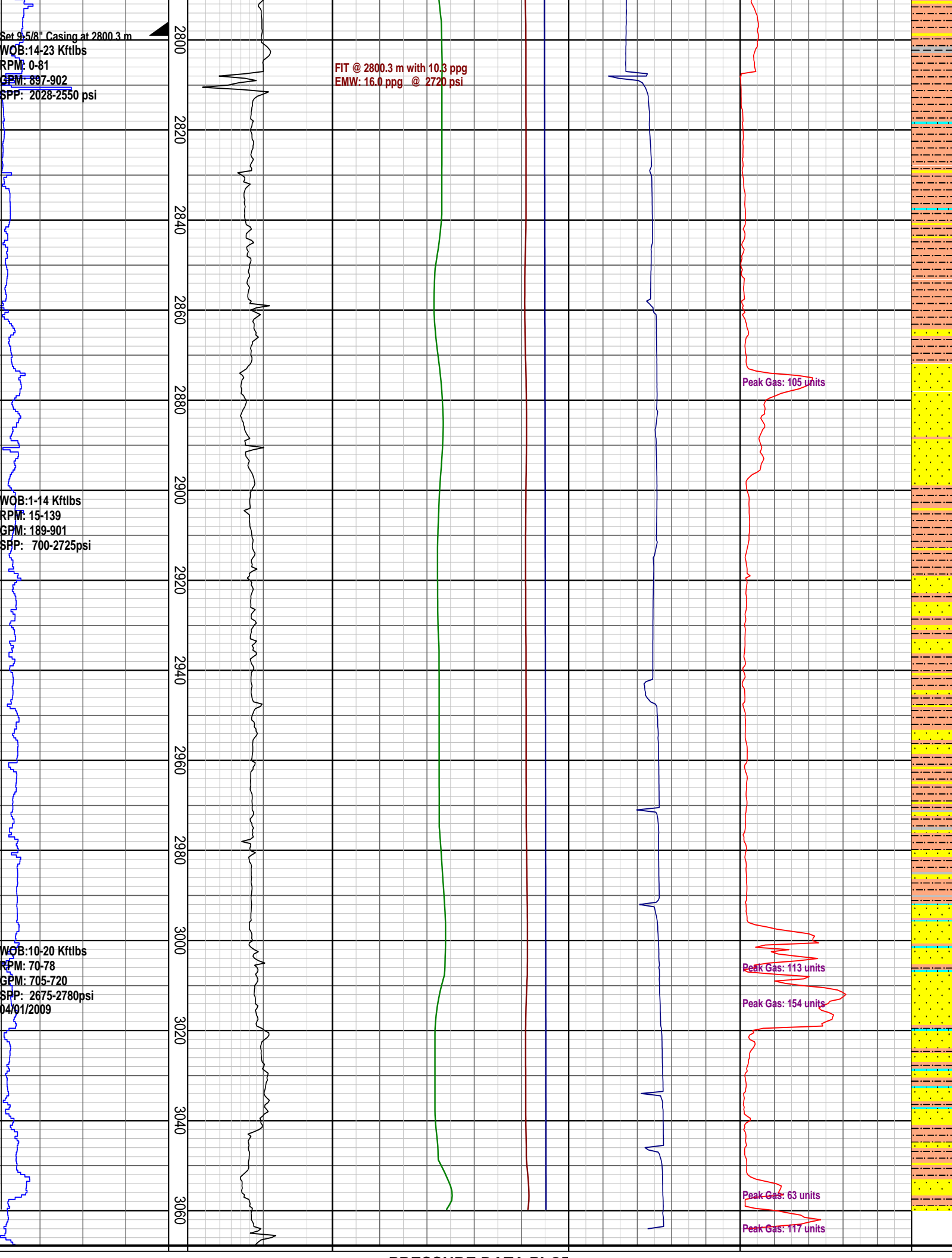
Set 9.5/8" Casing at 2800.3 m  
WOB: 14-23 Kftlbs  
RPM: 0-81  
GPM: 897-902  
SPP: 2028-2550 psi

FIT @ 2800.3 m with 10.3 ppg  
EMW: 16.0 ppg @ 2720 psi

WOB: 1-14 Kftlbs  
RPM: 15-139  
GPM: 189-901  
SPP: 700-2725psi

WOB: 10-20 Kftlbs  
RPM: 70-78  
GPM: 705-720  
SPP: 2675-2780psi  
04/01/2009

2800  
2820  
2840  
2860  
2880  
2900  
2920  
2940  
2960  
2980  
3000  
3020  
3040  
3060



# PRESSURE DATA PLOT

Rate of Penetration <b>ROP</b>		DRILLING EXPONENT <b>DXC</b>		PRESSURE DATA <b>Pore Pressure</b>		TEMPERATURE <b>Temperature Out</b>		GAS <b>Total Gas</b>		
50   100   150   200 m/hr	MD meters 1:1000	0.3	3	4   8   12   16   20 ppg		20   40   60   80   100 degC		50   100   150   200   250 unit		INTERPRETED LITHOLOGY
				4   8   12   16   20 ppg						
				4   8   12   16   20 ppg						