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### Customer Information

**Operator:** Noble Energy Inc.  
1625 Broadway  
Suite 2200  
Denver, Colorado 80202

**Geologist:** Holly Duncan  
Noble Energy Inc.

### Mud Logging Details

**Logger:** Scott Haney &  
Mark Dennis  
**Log Interval:** 5670' MD to 10182' MD  
**Start Date:** December 23, 2014  
**Release Date:** December 25, 2014

### Well Information

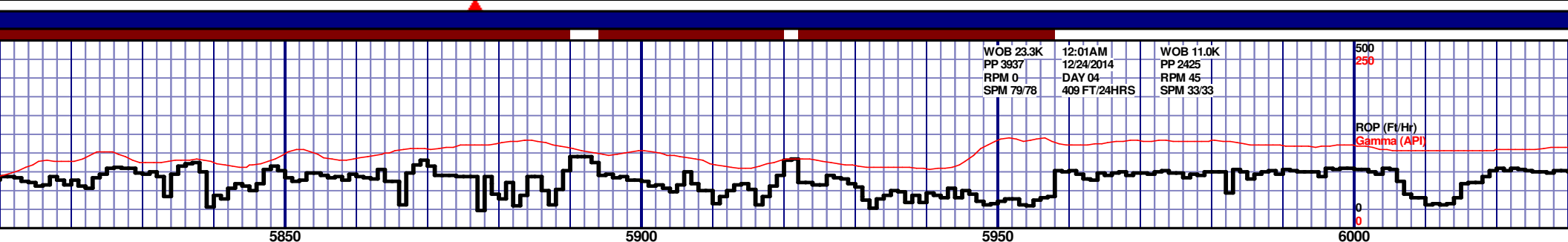
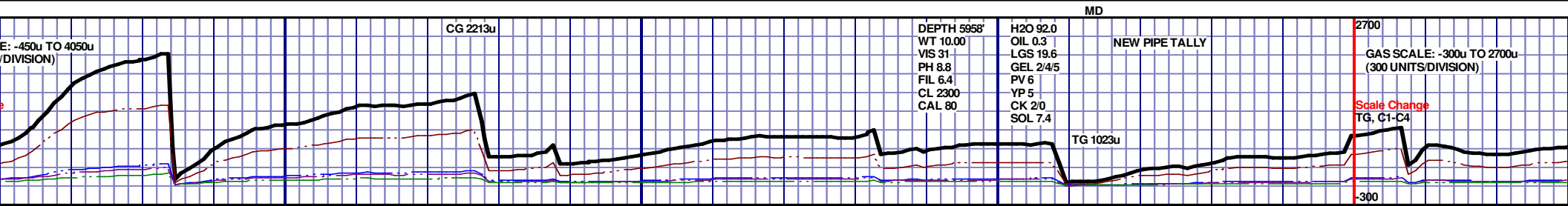
**Well Name:** Davis State LD02-73HN  
Horizontal

**Location:** 2-T9N-R58W  
450' FSL, 446' FEL

**County:** Weld  
**State:** Colorado

**Drilling Rig:** H&P 343  
**Total Depth:** 10182' MD  
**TD Date:** December 25, 2014  
**Formation:** Niobrara B Chalk  
**KB Elevation:** 4686'  
**GR Elevation:** 4662'  
**API Number:** 05-123-39806-0000

Logger On Shift		SH	
<b>Total Gas, C1-C4</b> TG (Units) ——— C1 (units) - - - C2 (units) - - - C3 (units) - - - C4 (units) - - -		DEPTH 5549' H2O 89.0 PV 15 WT 10.75 OIL 0.0 YP 14 VIS 43 LGS 26.6 CK 20 PH 9.0 GEL 5'18/40 SOL 10.7 FIL 5.2 CG 1462u CL 2300 CAL 60	
GAS SCALE: -350u TO 3150u (350 UNITS/DIVISION) DRILLING ON WATER BASED MUD TG, C1-C4 CONNECTIONS MARKED WITH RED TRIANGLES		CG 2823u CG 1462u	
<b>Connections</b> Cut Slide/Rotate ROP and Gamma ROP (Ft/Hr) ——— Gamma (API) ———		CG 2823u CG 1462u	
ROP SCALE: 0 TO 500 GAMMA SCALE: 0 TO 250 ORIGINAL DATA AS RECEIVED		WOB 38.3K PP 4111 RPM 0 SPM 79/78 WOB 30.7K PP 4198 RPM 0 SPM 79/78	
<b>Depth</b> 5650 5700 5750 5800		5650 5700 5750 5800	
<b>Photographs</b>		NIOBRARA A MARL - 5655' MD 5491' TVD NIOBRARA B CHALK - 5740' MD 5538' TVD	
<b>Lithology %</b>		NIOBRARA A MARL - 5655' MD 5491' TVD NIOBRARA B CHALK - 5740' MD 5538' TVD	
<b>Well Bore Cross Section</b>		NOBLE ENERGY INC. DAVIS STATE LD02-73HN HORIZONTAL 2-T9N-R58W 450' FSL, 446' FEL WELD CO., CO H&P 343 LOGGERS: SCOTT HANEY MARK DENNIS COMMENCED LOGGING @ 5670' MD ON 12/23/2014 W/BIT #3, SIZE 8.75", SECURITY MMD55, S/N 12512408 IN @ 5549' MD	
5425 TVD 5725		5425 TVD 5725	
<b>Survey Data</b>		MD 5679 TVD 5506.73 INC 54.74 AZ 340.38 VS 183.29 MD 5726 TVD 5531.91 INC 60.5 AZ 346.44 VS 222.88 MD 5774 TVD 5553.51 INC 66.05 AZ 353.05 VS 265.63	

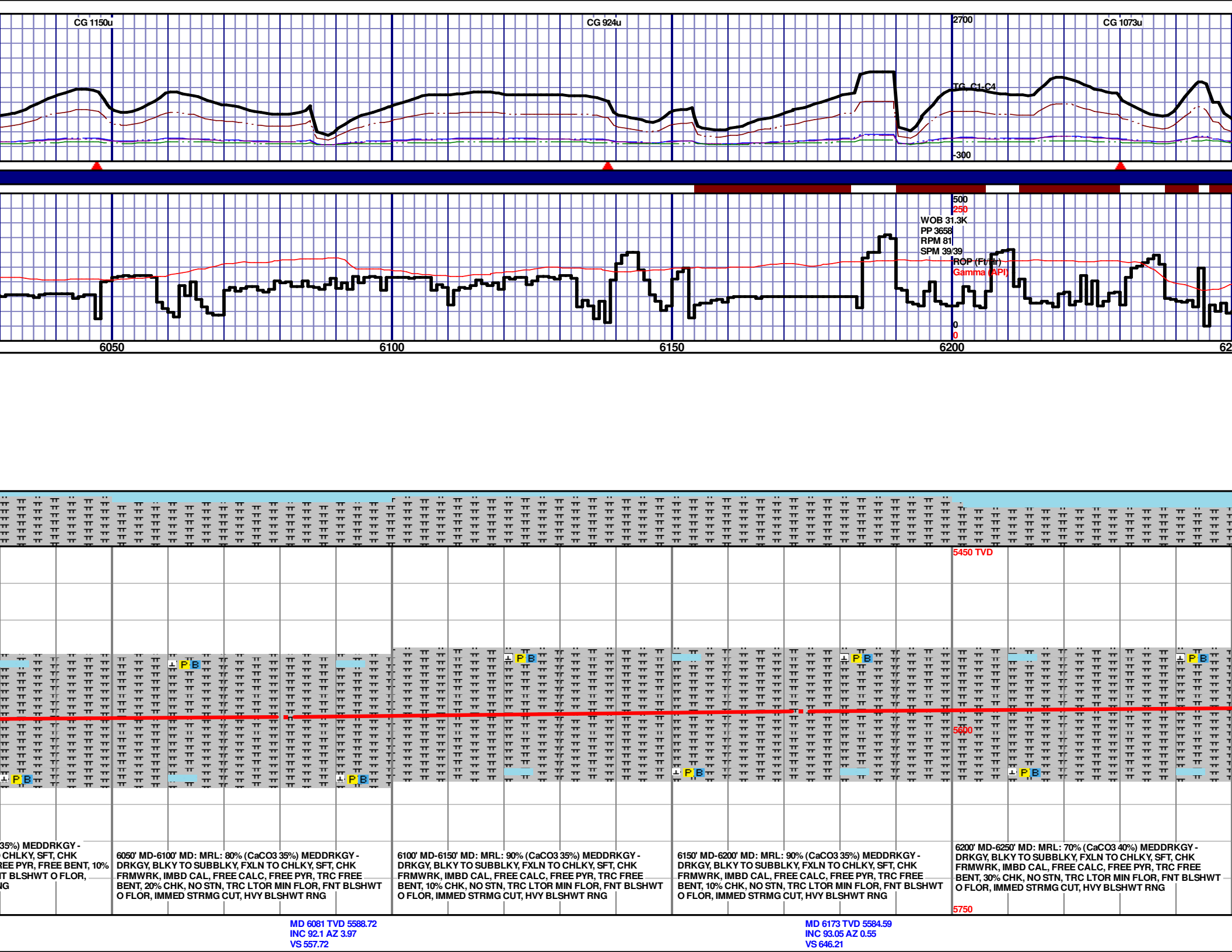


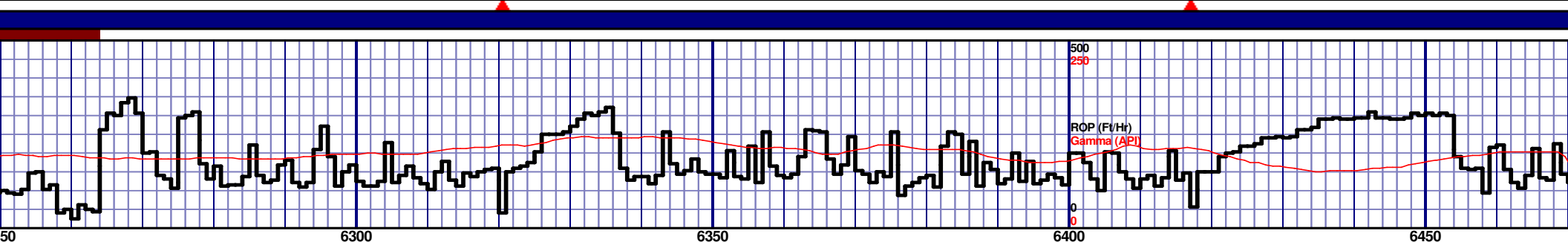
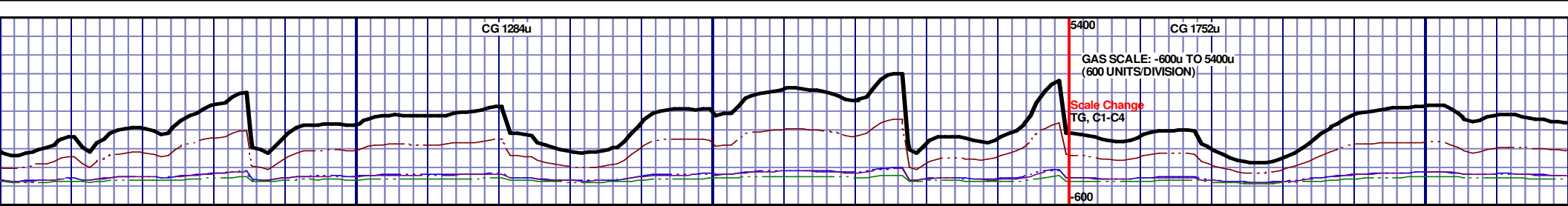
5450 TVD										5450 TVD									
NIORRARA B MARL 5852' MD 5577' TVD										TOOH @ 1:26 PM ON 12/23/14 @ 5958' MD FOR INTERMEDIATE CASING OPERATIONS. TIH @ 2:36 PM ON 12/24/2014. RESUMED DRILLING @ 6:55 PM ON 12/24/2014 W/ BIT #4, 6.125", SMITH SDI516, S/N J6186 @ 5958' MD.									
TVD SCALE: 5450' TVD - 5750' TVD										SWITCHING TO 50FT SAMPLE INTERVAL									
5600										5600									
Scale Change										Scale Change									
5750										5750									
0' MD: CHK: 90% MOTT LTGY- BLKY TO SUBBLKY, CHK, SFT, CHK IMBD CALC, FREE PYR, BENT, 10% FREE MRL, BLK STN, TRC LTOR FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT										5830' MD-5860' MD: MRL: 60% (CaCO3 45%) MEDDRKGY - DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CAL, FREE CALC, FREE PYR, FREE BENT, 30% CHK, NO STN, 5% LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
										5860' MD-5890' MD: MRL: 70% (CaCO3 40%) MEDDRKGY - DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CAL, FREE CALC, FREE PYR, FREE BENT, 30% CHK, NO STN, 5% LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
										5890' MD-5920' MD: MRL: 70% (CaCO3 40%) MEDDRKGY - DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CAL, FREE CALC, FREE PYR, FREE BENT, 30% CHK, NO STN, 5% LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
										5920' MD-5958' MD: MRL: 90% (CaCO3 35%) MEDDRKGY - DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CAL, FREE CALC, FREE PYR, FREE BENT, 10% CHK, NO STN, 5% LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
										5958' MD-6000' MD: MRL: 95% (CaCO3 35%) MEDDRKGY - DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CAL, FREE CALC, FREE PYR, FREE BENT, 5% CHK, NO STN, 5% LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
										6000' MD-6050' MD: MRL: 90% (CaCO3 30%) DRKGY, BLKY TO SUBBLKY, FXLN TO FRMWRK, IMBD CAL, FREE CALC, FREE PYR, FREE BENT, 5% CHK, NO STN, 5% LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									

MD 5822 TVD 5570.8  
INC 71.73 AZ 358.44  
VS 309.8

MD 5904 TVD 5588.46  
INC 83.36 AZ 0.16  
VS 387.78

MD 5988 TVD 5591.94  
INC 91.88 AZ 3.07  
VS 468.78



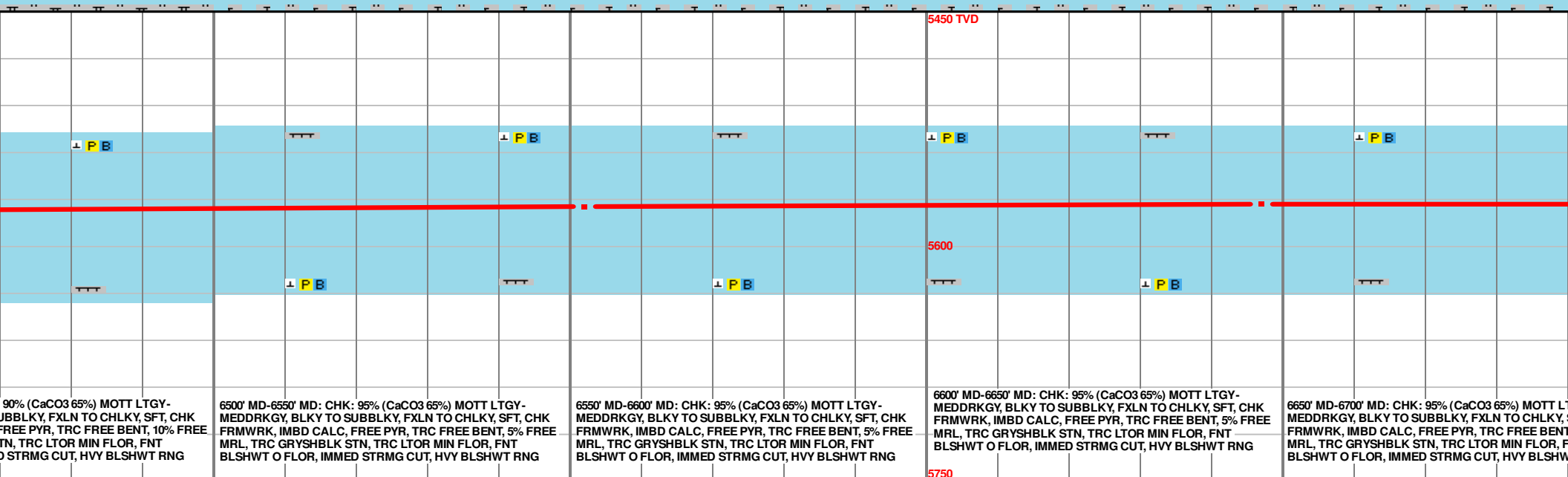
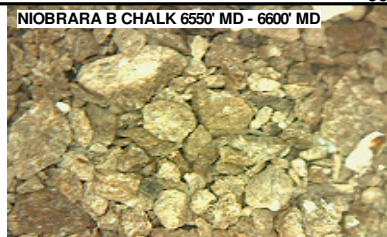
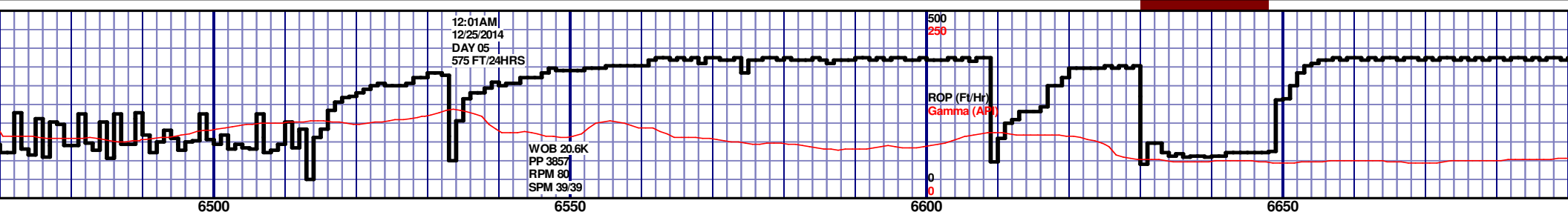
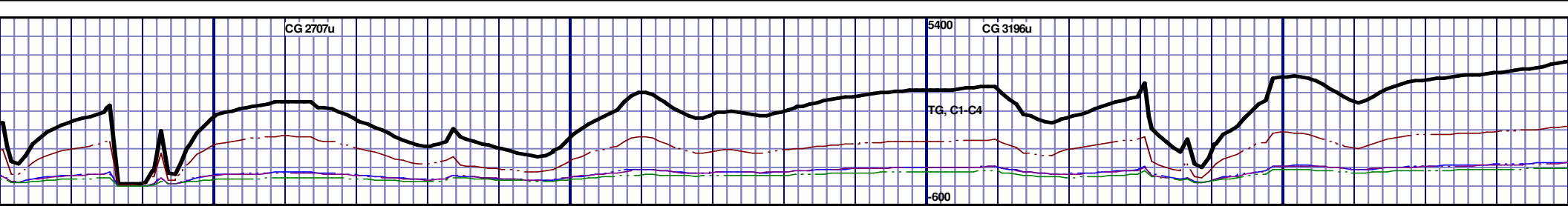


5450 TVD									
NIOBRARA B CHALK 6425' MD 5577' TVD									
5600									
5750									
6250' MD-6300' MD: MRL: 90% (CaCO3 35%) MEDDRKGY - DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CAL, FREE CALC, FREE PYR, TRC FREE BENT, 10% CHK, NO STN, TRC LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
6300' MD-6350' MD: MRL: 95% (CaCO3 35%) MEDDRKGY - DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CAL, FREE CALC, FREE PYR, TRC FREE BENT, 5% CHK, NO STN, TRC LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
6350' MD-6400' MD: MRL: 60% (CaCO3 45%) MEDDRKGY - DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CAL, FREE CALC, FREE PYR, TRC FREE BENT, 40% CHK, NO STN, TRC LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
6400' MD-6450' MD: CHK: 60% (CaCO3 50%) MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, TRC FREE BENT, 40% FREE MRL, TRC GRYSBLK STN, TRC LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
6450' MD-6500' MD: CHK: MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, TRC FREE BENT, 40% FREE MRL, TRC GRYSBLK STN, TRC LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									

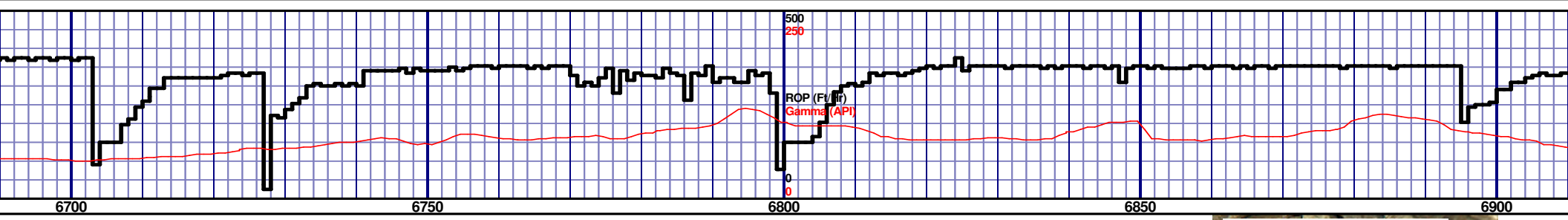
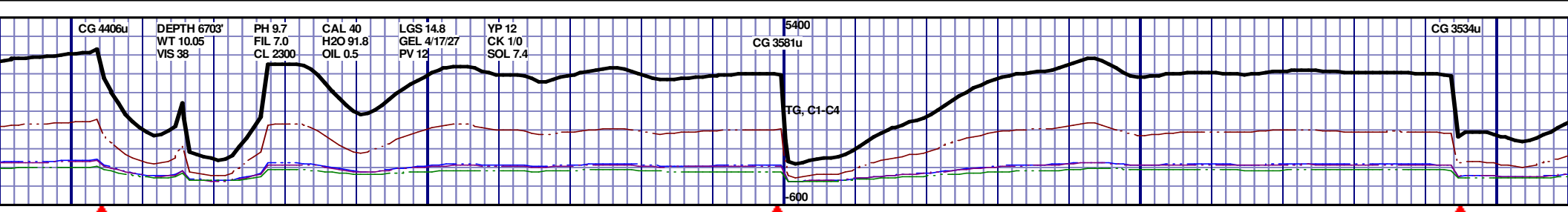
MD 6267 TVD 5580.9  
INC 91.45 AZ 358.89  
VS 737.7

MD 6362 TVD 5578.73  
INC 91.17 AZ 358.93  
VS 830.5

MD 6457 TVD 5578.73  
INC 91.33 AZ 358.93  
VS 923.38



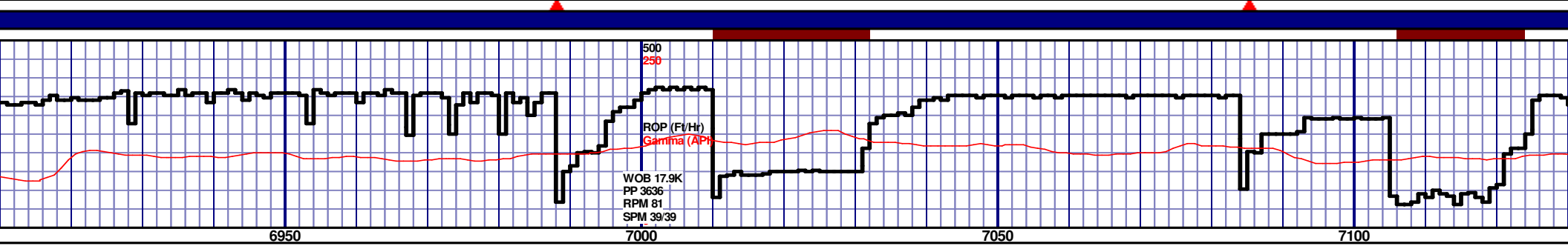
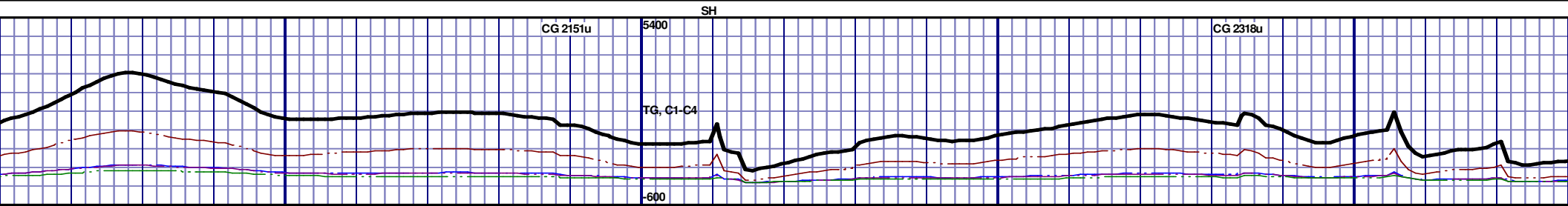




<p>6700' MD-6750' MD: CHK: 90% (CaCO3 65%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, TRC FREE BENT, 10% FREE MRL, TRC GRYSHBLK STN, TRC LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>	<p>6750' MD-6800' MD: CHK: 70% (CaCO3 55%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 30% FREE MRL, TRC GRYSHBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>	<p>6800' MD-6850' MD: CHK: 80% (CaCO3 60%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 20% FREE MRL, TRC GRYSHBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>	<p>6850' MD-6900' MD: CHK: 90% (CaCO3 65%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 10% FREE MRL, TRC GRYSHBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>	<p>6900' MD-6950' MD: CHK: 90% (CaCO3 65%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 10% FREE MRL, TRC GRYSHBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>
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MD 6742 TVD 5572.93  
INC 90.22 AZ 358.22  
VS 1202.36

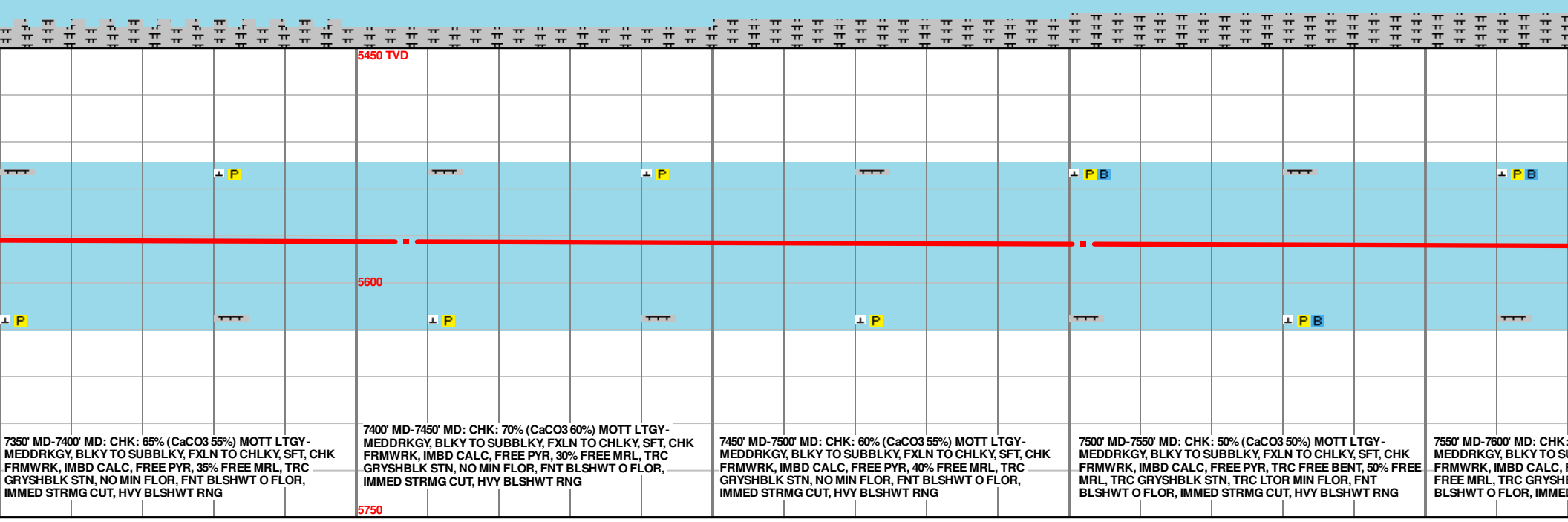
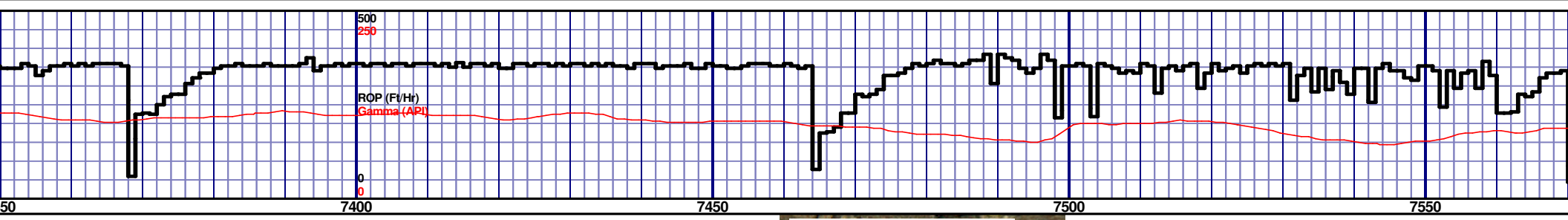
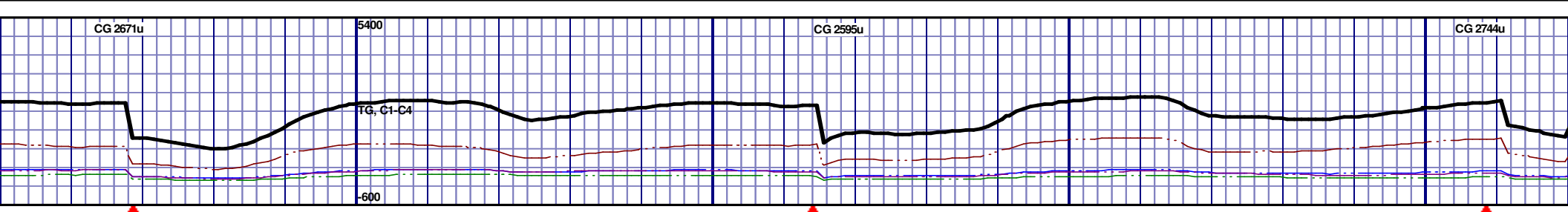
MD 6837 TVD 5572.36  
INC 90.46 AZ 358.01  
VS 1295.46



5450 TVD									
5600									
5750									
7000' MD-7050' MD: MRL: 80% (CaCO3 40%) MEDDRKGY - DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CAL, FREE CALC, FREE PYR, TRC FREE BENT, 20% CHK, NO STN, TRC LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
7050' MD-7100' MD: MRL: 70% (CaCO3 40%) MEDDRKGY - DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CAL, FREE CALC, FREE PYR, TRC FREE BENT, 30% CHK, NO STN, TRC LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
7100' MD-7150' MD: MRL: 70% (CaCO3 40%) MEDDRKGY - DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CAL, FREE CALC, FREE PYR, TRC FREE BENT, 30% CHK, NO STN, TRC LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									

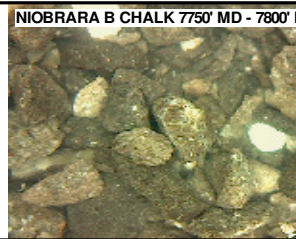
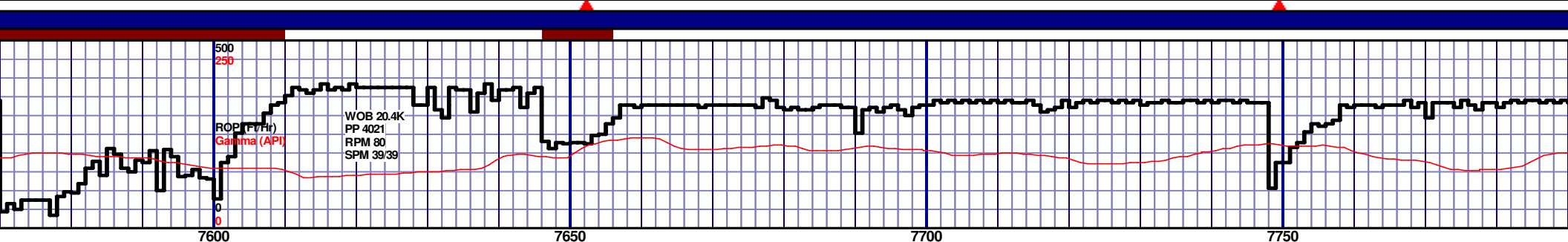
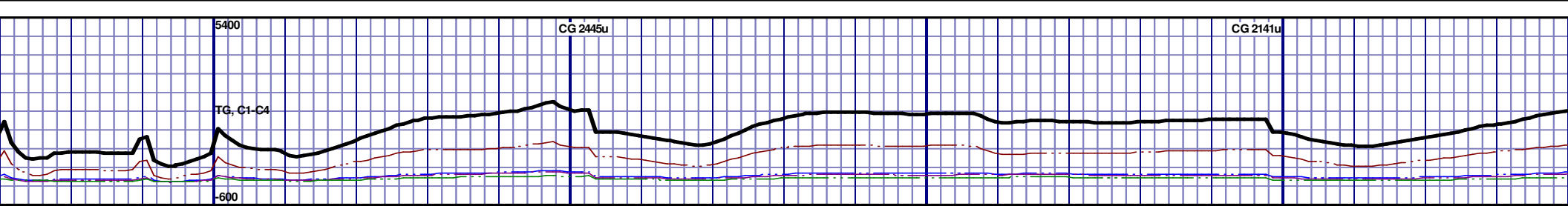






MD 7407 TVD 5573.54  
INC 88.86 AZ 357.95  
VS 1853.14

MD 7502 TVD 5575.61  
INC 88.65 AZ 357.47  
VS 1946.35

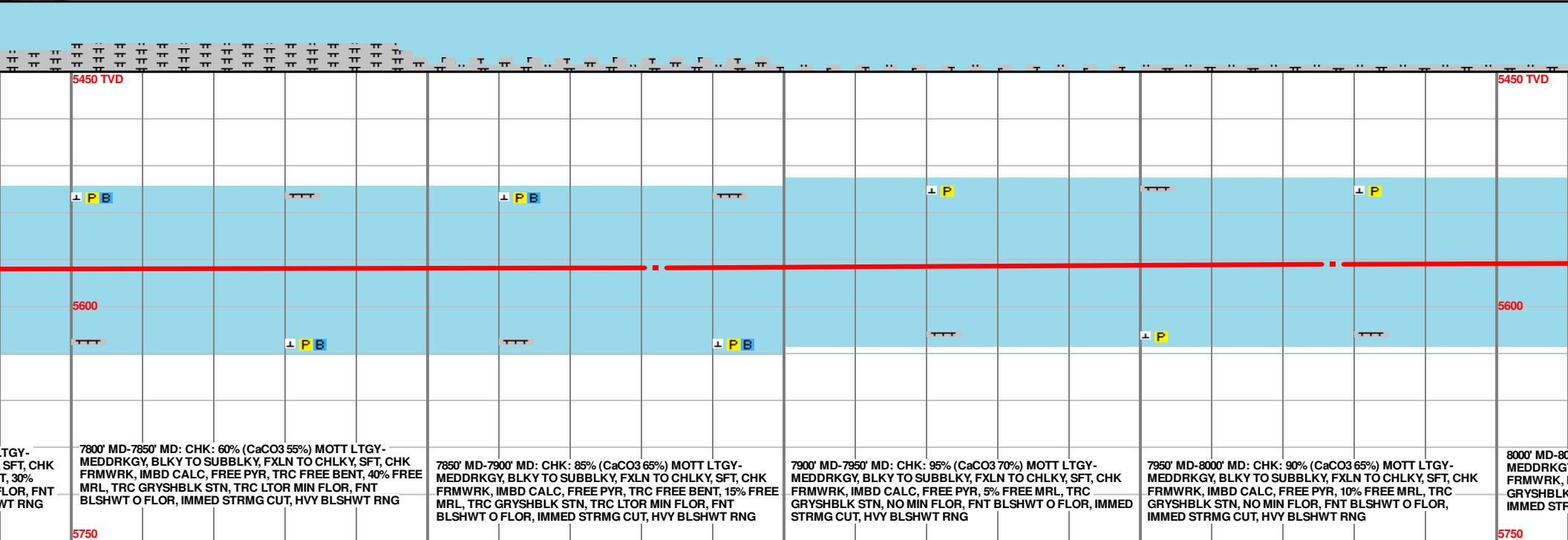
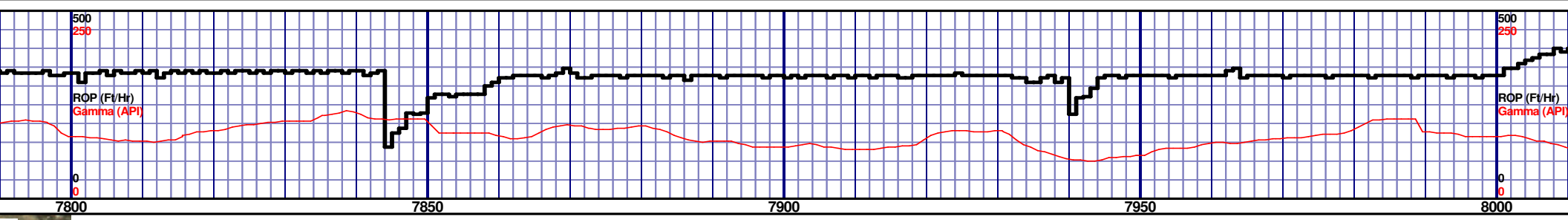
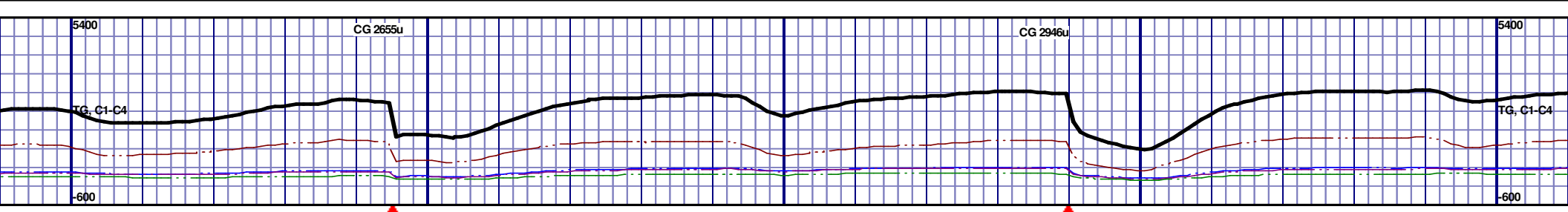


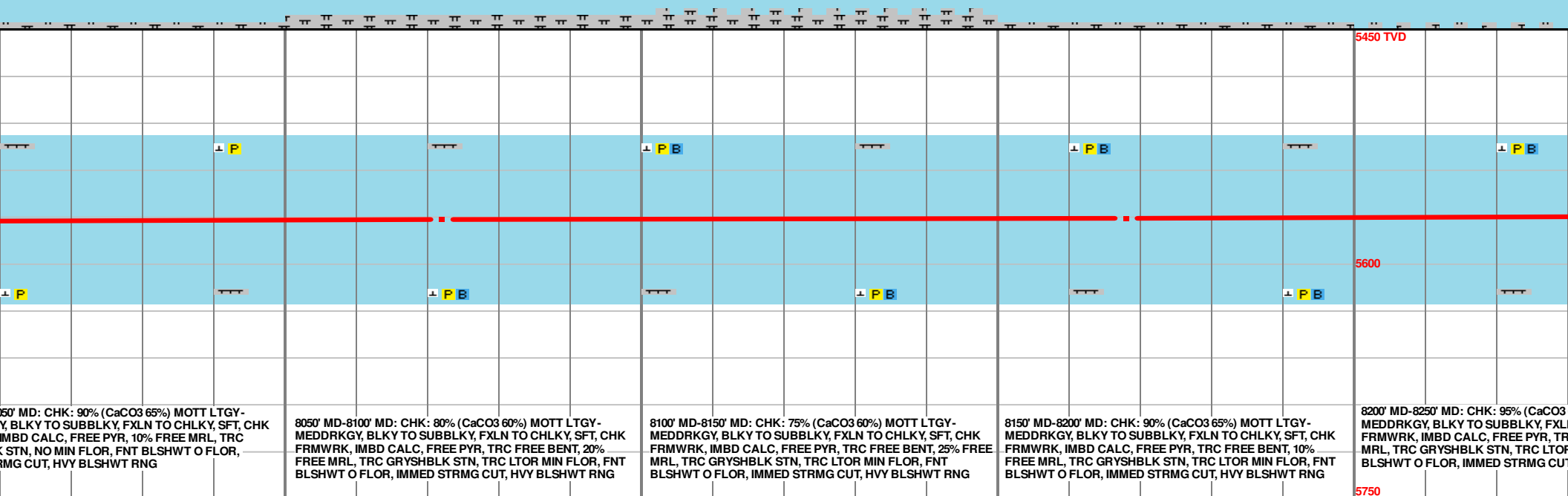
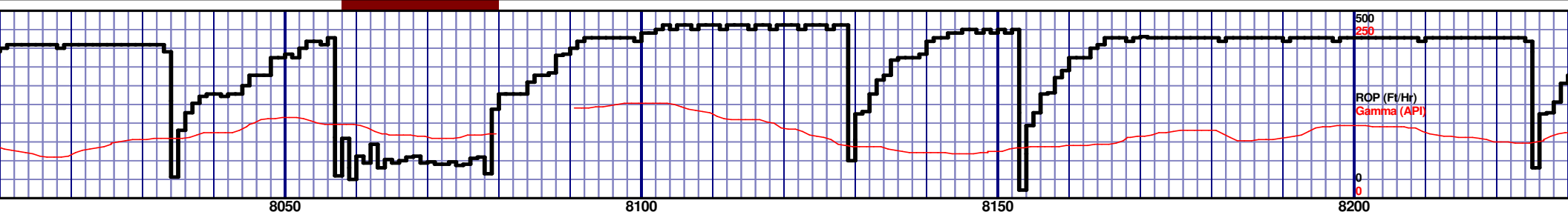
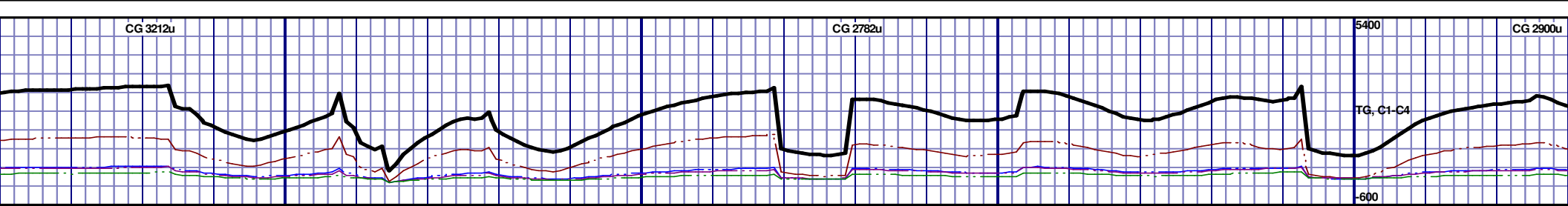
5450 TVD									
5600									
5750									
7600' MD-7650' MD: CHK: 60% (CaCO3 55%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, TRC FREE BENT, 40% FREE MRL, TRC GRYSBLK STN, TRC LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
7650' MD-7700' MD: MRL: 70% (CaCO3 40%) MEDDRKGY-DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CAL, FREE CALC, FREE PYR, TRC FREE BENT, 30% CHK, NO STN, TRC LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
7700' MD-7750' MD: MRL: 60% (CaCO3 45%) MEDDRKGY-DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CAL, FREE CALC, FREE PYR, TRC FREE BENT, 40% CHK, NO STN, TRC LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
7750' MD-7800' MD: CHK: 70% (CaCO3 60%) MOTT L-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, FRMWRK, IMBD CALC, FREE PYR, TRC FREE BENT, 40% FREE MRL, TRC GRYSBLK STN, TRC LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									

MD 7597 TVD 5577.09  
INC 89.57 AZ 359.7  
VS 2039.27

MD 7692 TVD 5576.99  
INC 90.55 AZ 0.47  
VS 2131.67

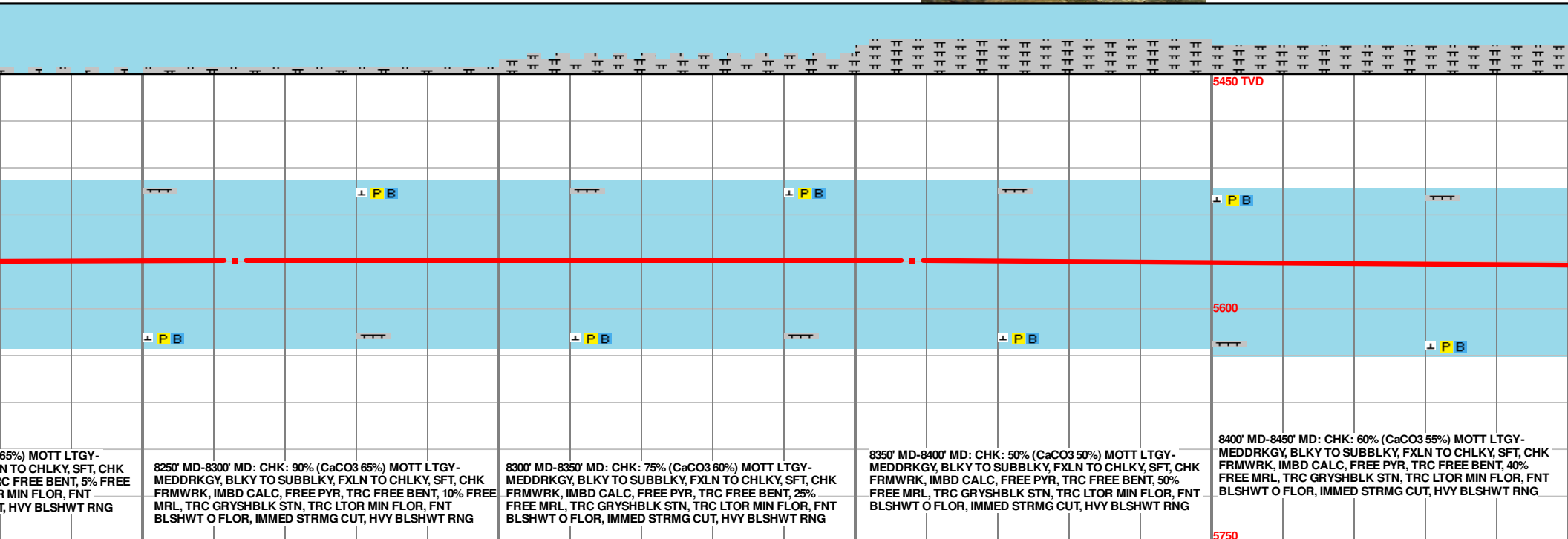
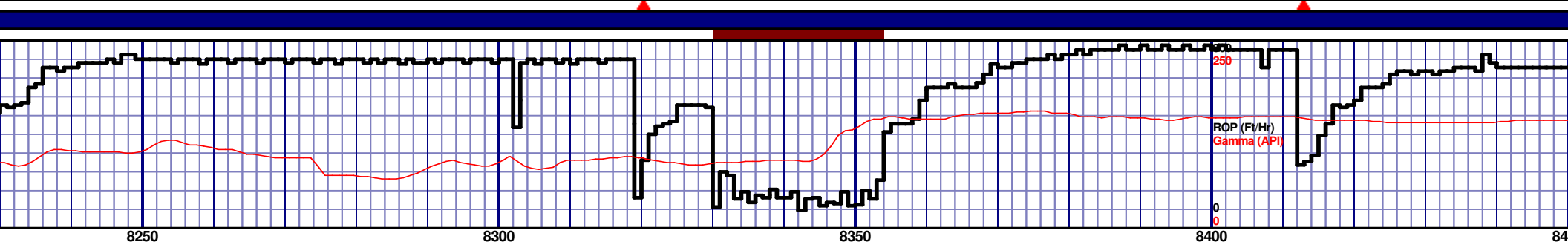
MD  
INC  
VS



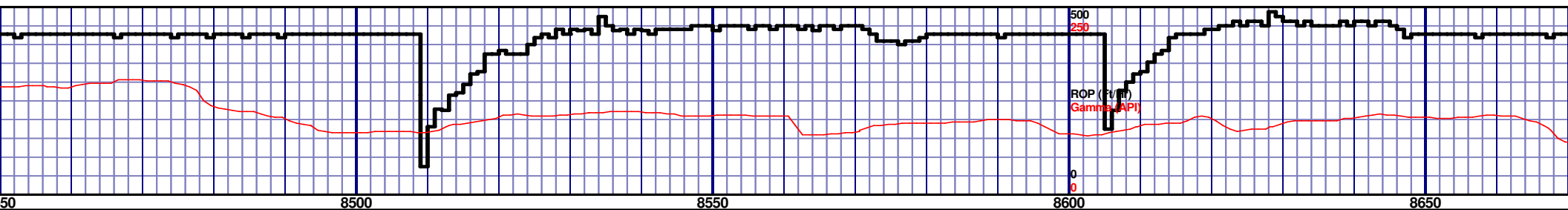
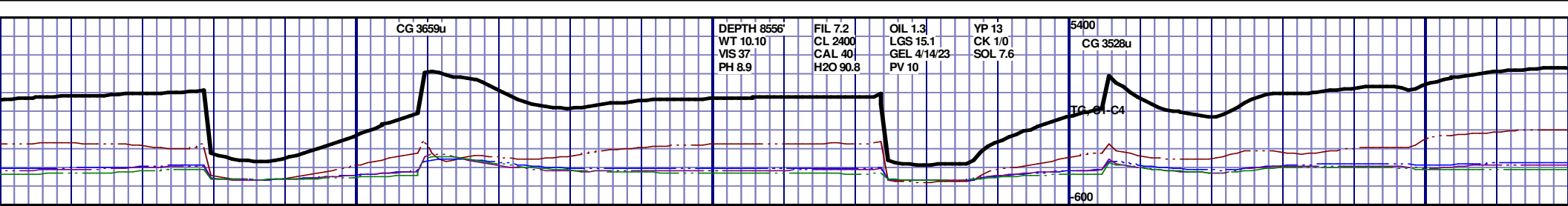


MD 8072 TVD 5571.81  
INC 90.34 AZ 358.46  
VS 2502.05

MD 8168 TVD 5570.88  
INC 90.77 AZ 358.3  
VS 2596.03



MD 8358 TVD 5569.34  
INC 88.43 AZ 357.67  
VS 2782.23

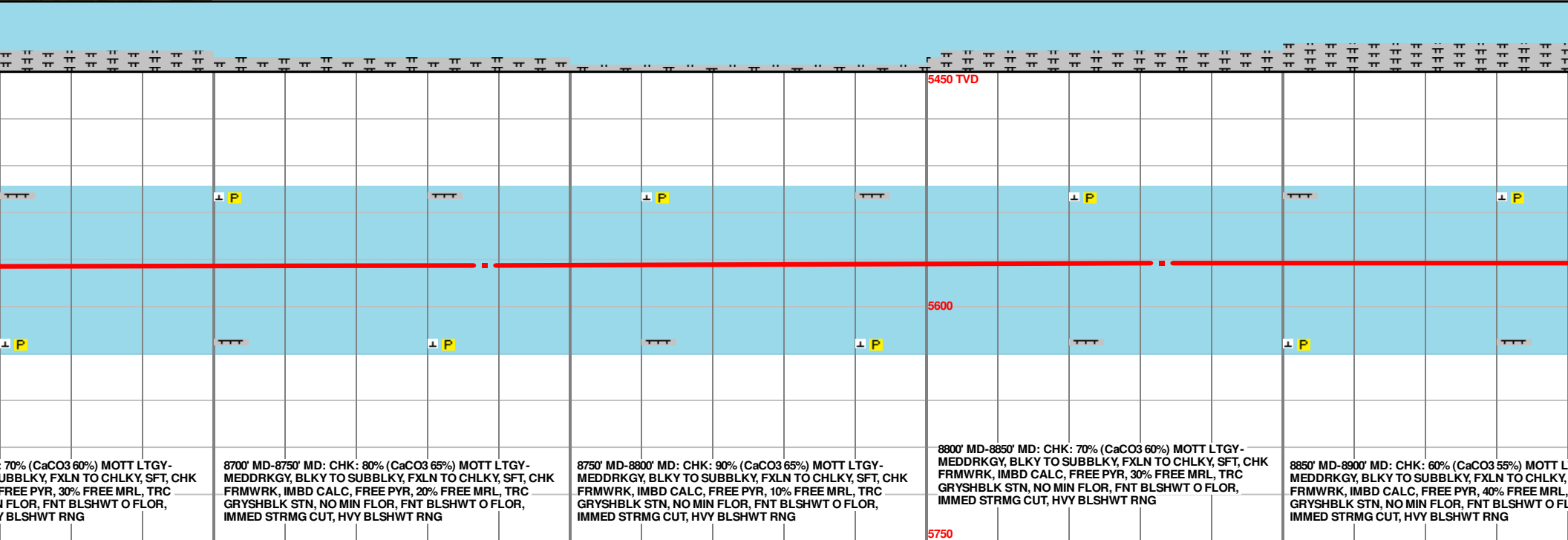
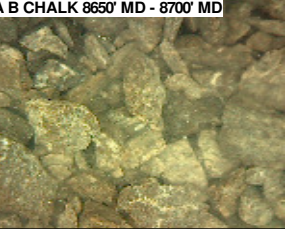
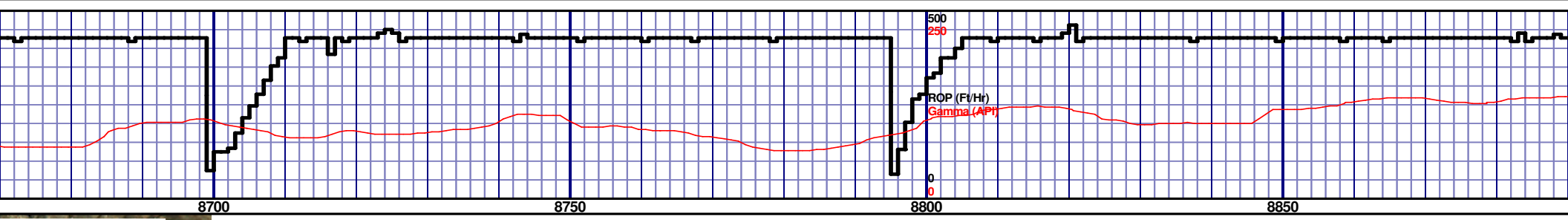
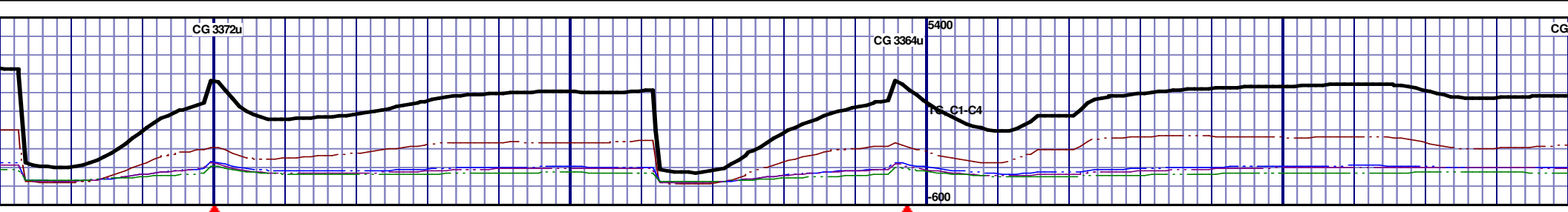


NI0BRARA



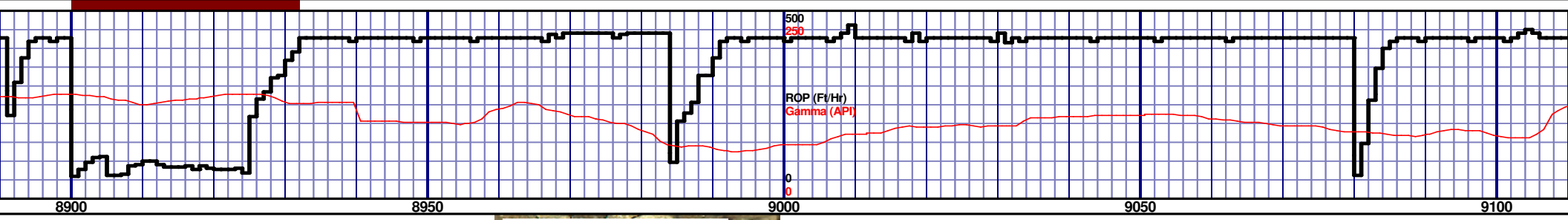
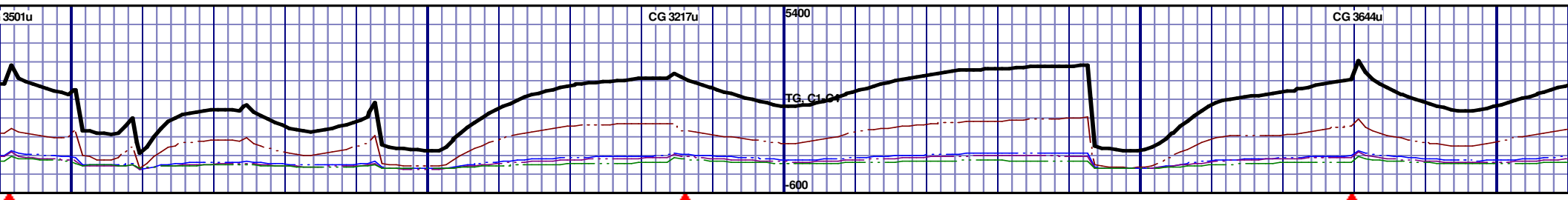
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MD 8738 TVD 5573.97  
INC 90.8 AZ 356.92  
VS 3155.92

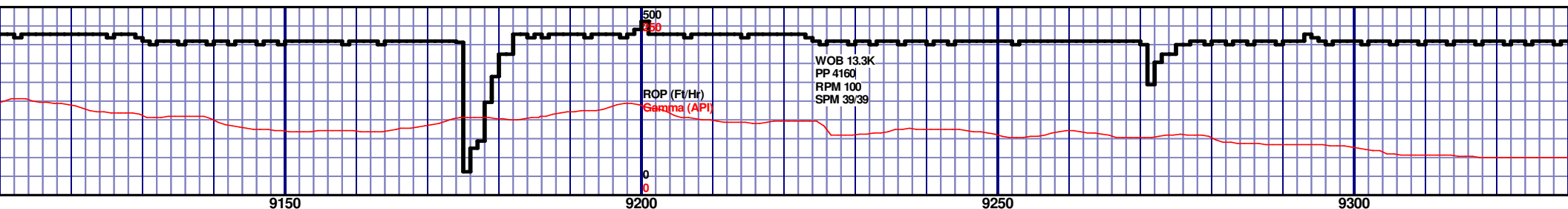
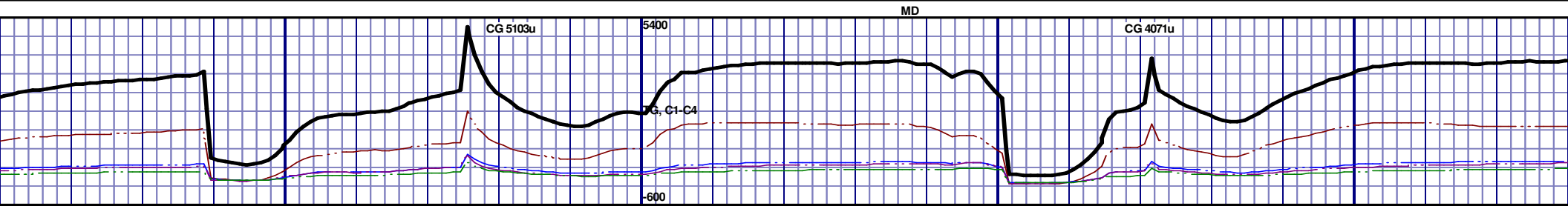
MD 8833 TVD 5572.28  
INC 91.23 AZ 356.19  
VS 3249.49



5450 TVD					5600					5750				
8900' MD-8950' MD: CHK: 60% (CaCO3 55%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 40% FREE MRL, TRC GRYSHBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					8950' MD-9000' MD: CHK: 85% (CaCO3 65%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 15% FREE MRL, TRC GRYSHBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					9000' MD-9050' MD: CHK: 70% (CaCO3 60%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 30% FREE MRL, TRC GRYSHBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG				
9050' MD-9100' MD: CHK: 90% (CaCO3 70%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 10% FREE MRL, TRC GRYSHBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					9100' MD-9150' MD: CHK: 85% (CaCO3 65%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 15% FREE MRL, TRC GRYSHBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					9150' MD-9200' MD: CHK: 80% (CaCO3 60%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 20% FREE MRL, TRC GRYSHBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG				

MD 8928 TVD 5572.11  
INC 88.96 AZ 358.1  
VS 3342.69

MD 9023 TVD 5574.38  
INC 88.27 AZ 357.57  
VS 3436.05

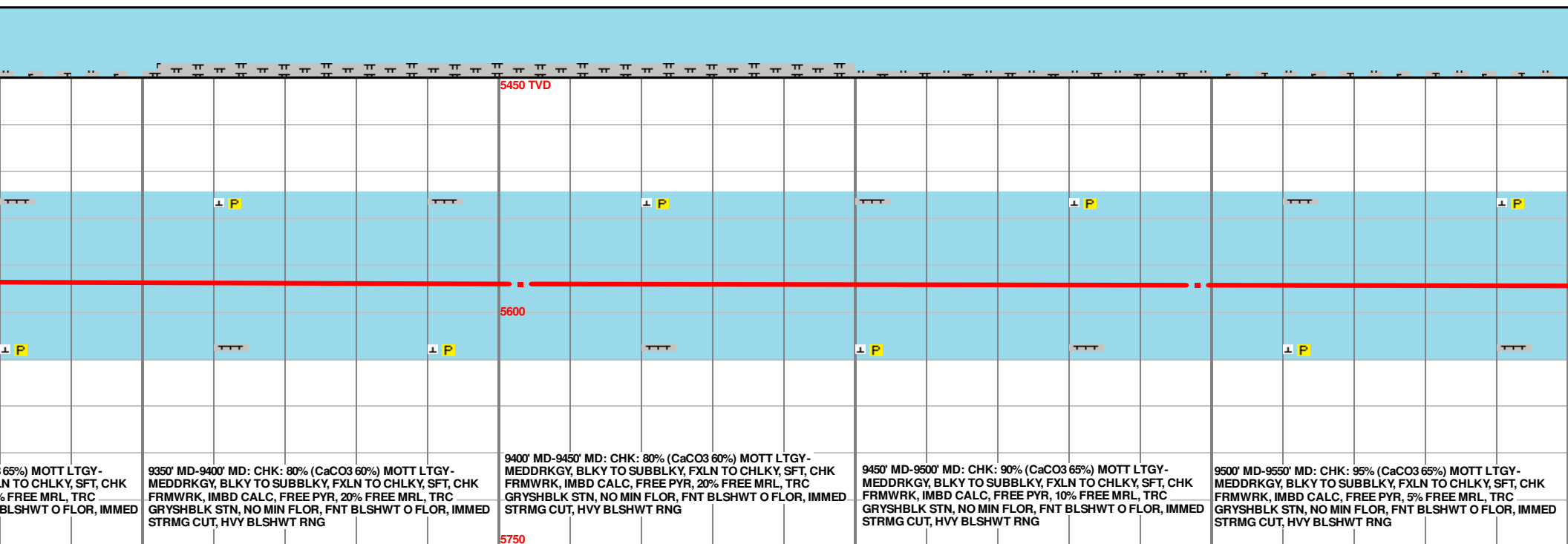
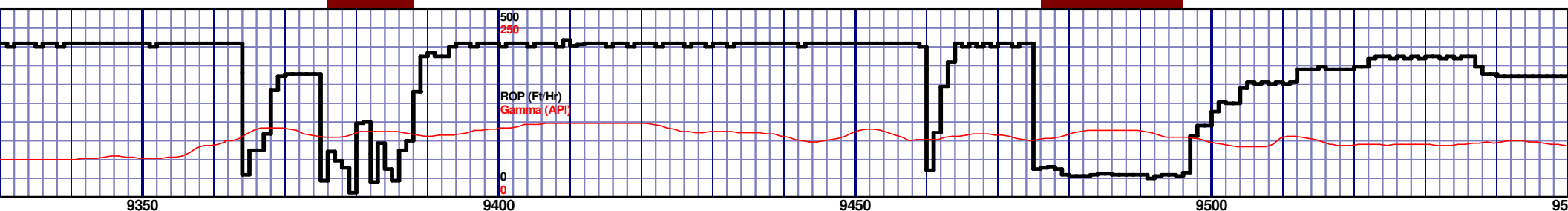
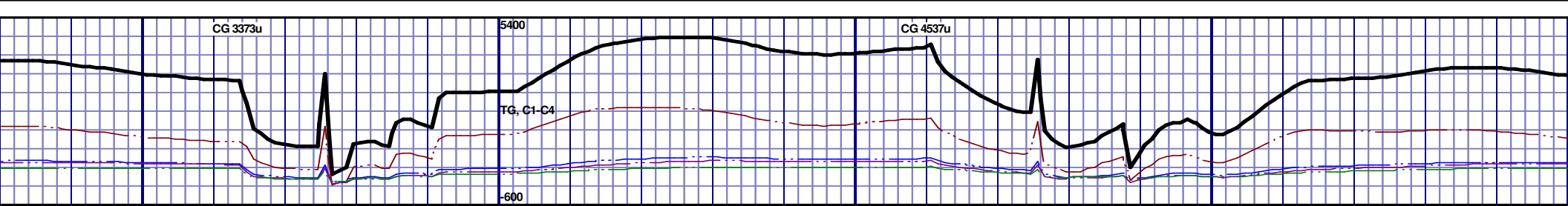


5450 TVD									
5600									
5750									
9150' MD-9200' MD: CHK: 70% (CaCO3 55%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK, CHK FRMWRK, IMBD CALC, FREE PYR, 30% FREE MRL, TRC GRYSHBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					9200' MD-9250' MD: CHK: 90% (CaCO3 65%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 10% FREE MRL, TRC GRYSHBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG				
9250' MD-9300' MD: CHK: 90% (CaCO3 65%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 10% FREE MRL, TRC GRYSHBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					9300' MD-9350' MD: CHK: 95% (CaCO3 65%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 10% FREE MRL, TRC GRYSHBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG				

MD 9118 TVD 5576.94  
INC 88.64 AZ 357.56  
VS 3529.3

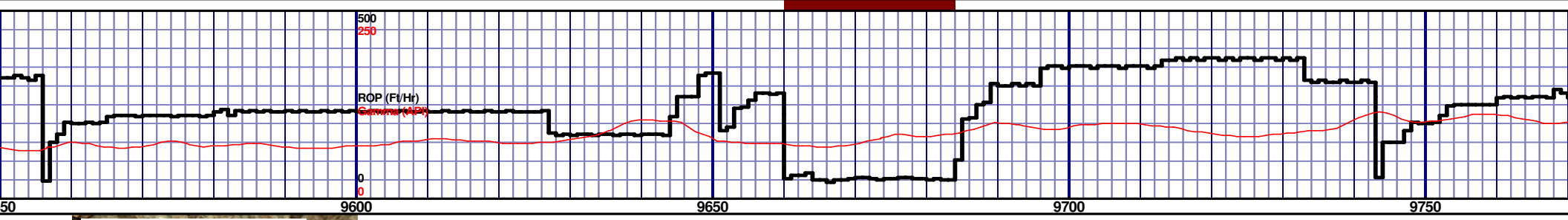
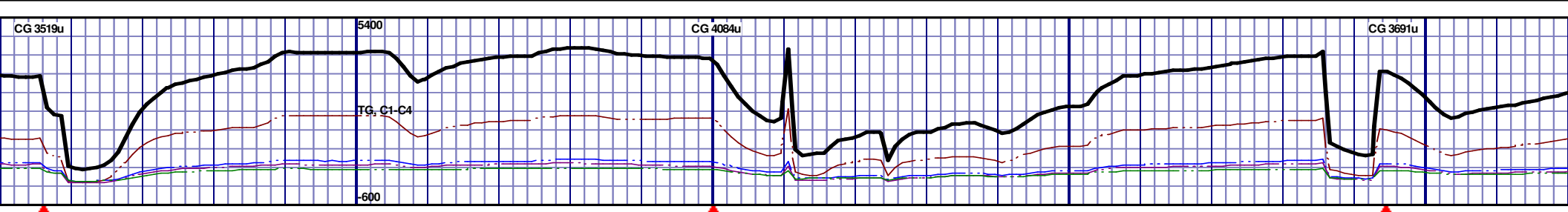
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INC 89.01 AZ 358.46  
VS 3622.41

MD 9308 TVD 5580.69  
INC 88.8 AZ 357.53  
VS 3715.53



MD 9403 TVD 5581.82  
INC 89.85 AZ 356.19  
VS 3809.01

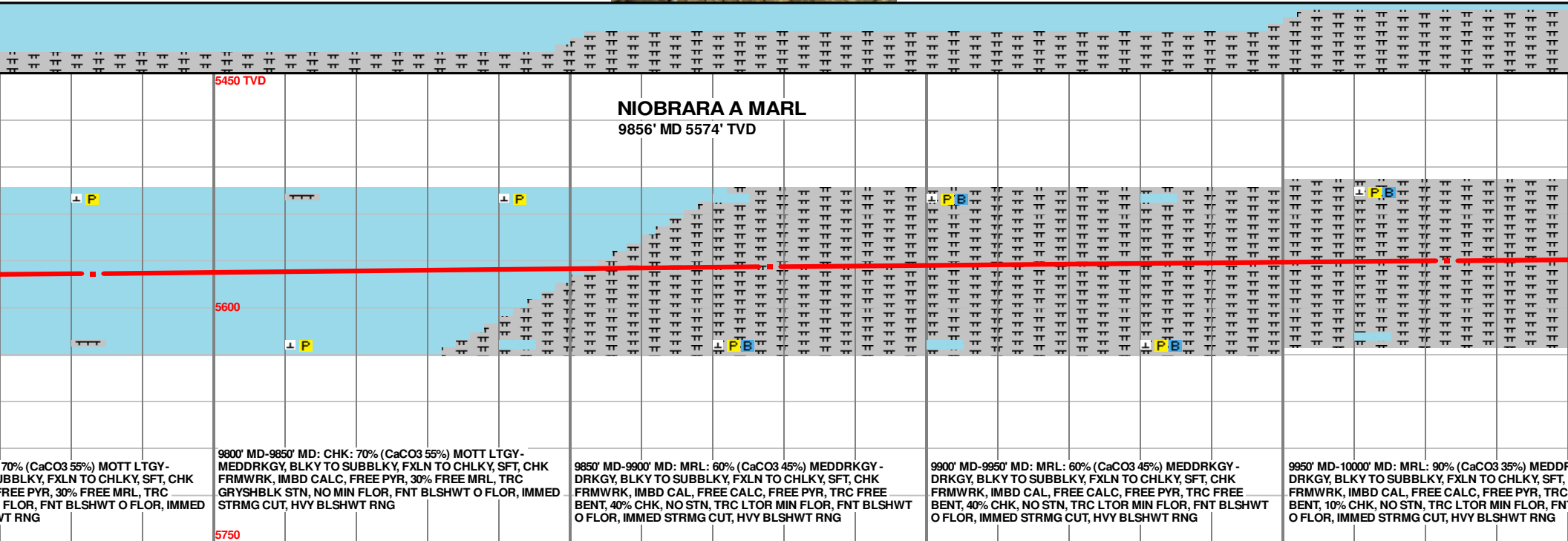
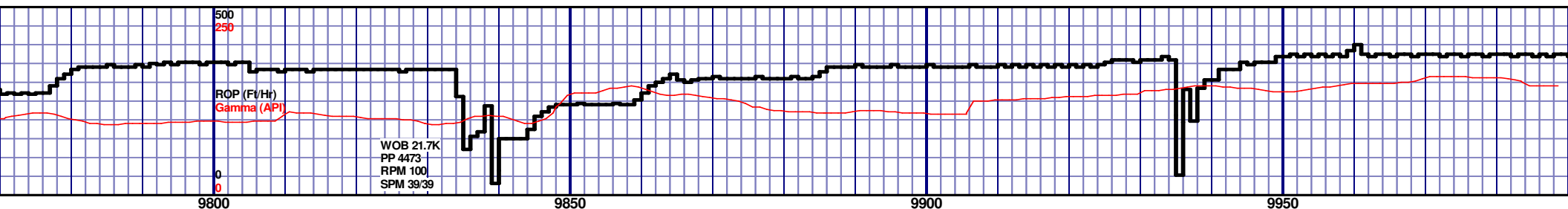
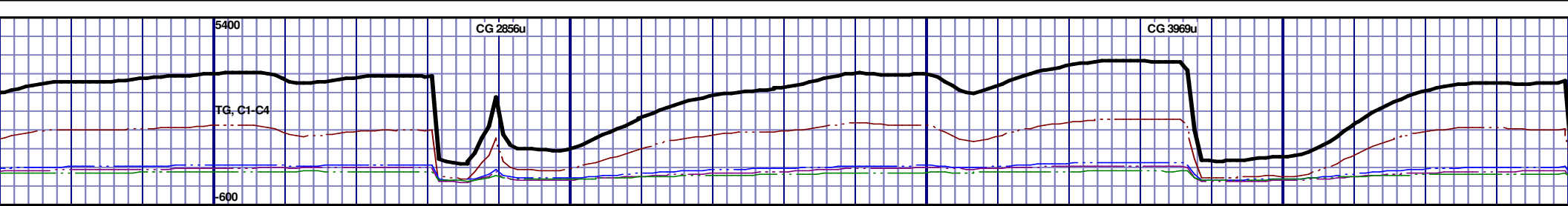
MD 9498 TVD 5582.5  
INC 89.32 AZ 357.85  
VS 3902.45



5450 TVD																																		
9550' MD-9600' MD: CHK: 95% (CaCO3 65%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 5% FREE MRL, TRC GRYSBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					9600' MD-9650' MD: CHK: 90% (CaCO3 65%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 10% FREE MRL, TRC GRYSBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					9650' MD-9700' MD: CHK: 90% (CaCO3 65%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 10% FREE MRL, TRC GRYSBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					9700' MD-9750' MD: CHK: 80% (CaCO3 60%) MOTT LTGY-MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 20% FREE MRL, TRC GRYSBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					9750' MD-9800' MD: CHK: MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CALC, FREE PYR, 20% FREE MRL, TRC GRYSBLK STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG														
5750																																		

MD 9593 TVD 5583.39  
INC 89.6 AZ 357.74  
VS 3995.65

MD 9688 TVD 5581.78  
INC 92.34 AZ 358.83  
VS 4088.68



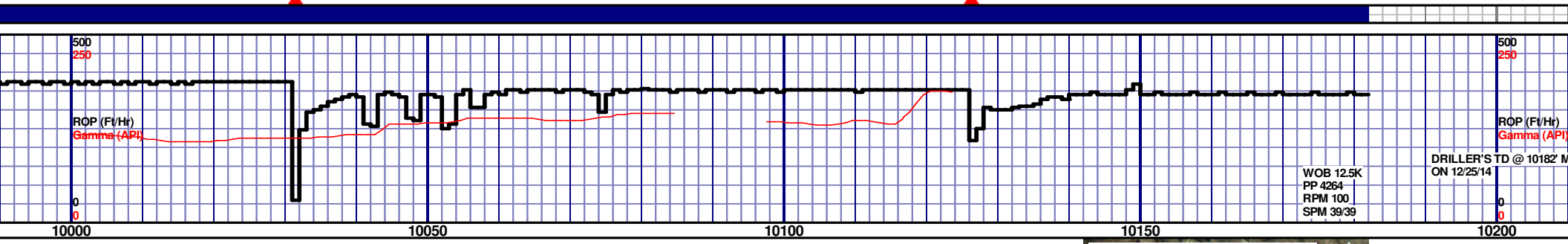
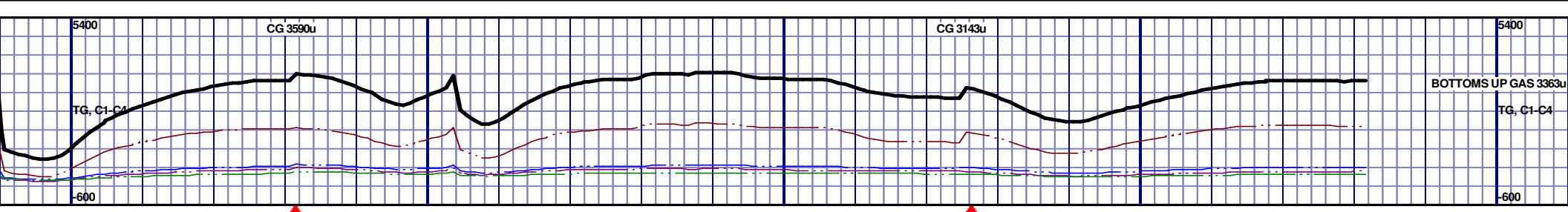
70% (CaCO<sub>3</sub> 55%) MOTT LTGY-  
UBBLKY, FXLN TO CHLKY, SFT, CHK  
FREE PYR, 30% FREE MRL, TRC  
FLOR, FNT BLSHW O FLOR, IMMED  
VT RNG

9800' MD-9850' MD: CHK: 70% (CaCO<sub>3</sub> 55%) MOTT LTGY-  
MEDDRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK  
FRMWRK, IMBD CALC, FREE PYR, 30% FREE MRL, TRC  
GRYSHBLK STN, NO MIN FLOR, FNT BLSHW O FLOR, IMMED  
STRMG CUT, HVY BLSHW RNG

9850' MD-9900' MD: MRL: 60% (CaCO<sub>3</sub> 45%) MEDDRKGY -  
DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK  
FRMWRK, IMBD CAL, FREE CALC, FREE PYR, TRC FREE  
BENT, 40% CHK, NO STN, TRC LTOR MIN FLOR, FNT BLSHW  
O FLOR, IMMED STRMG CUT, HVY BLSHW RNG

9900' MD-9950' MD: MRL: 60% (CaCO<sub>3</sub> 45%) MEDDRKGY -  
DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK  
FRMWRK, IMBD CAL, FREE CALC, FREE PYR, TRC FREE  
BENT, 40% CHK, NO STN, TRC LTOR MIN FLOR, FNT BLSHW  
O FLOR, IMMED STRMG CUT, HVY BLSHW RNG

9950' MD-10000' MD: MRL: 90% (CaCO<sub>3</sub> 35%) MEDDRKGY -  
DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK  
FRMWRK, IMBD CAL, FREE CALC, FREE PYR, TRC  
BENT, 10% CHK, NO STN, TRC LTOR MIN FLOR, FNT  
O FLOR, IMMED STRMG CUT, HVY BLSHW RNG



5450 TVD										5450 TVD									
P.B										P.B									
5600										5600									
P.B										P.B									
10000' MD-10050' MD: MRL: 60% (CaCO3 45%) MEDDRKGY - DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CAL, FREE CALC, FREE PYR, TRC FREE BENT, 40% CHK, NO STN, TRC LTOR MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG										10050' MD-10100' MD: MRL: 80% (CaCO3 55%) MEDDRKGY - DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CAL, FREE CALC, FREE PYR, 20% CHK, NO STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
5750										5750									

TD @ 10182' MD

RELEASED ON

THANK YOU FOR  
HANEY, MARK  
AND HORIZON  
LOGGING, LLC

10150' MD-10182' MD: MRL: 95% (CaCO3 65%) MEDDRKGY - DRKGY, BLKY TO SUBBLKY, FXLN TO CHLKY, SFT, CHK FRMWRK, IMBD CAL, FREE CALC, FREE PYR, 5% CHK, NO STN, NO MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

MD 10068 TVD 5566.25  
INC 92.34 AZ 358.96  
VS 4460.26

MD 10125 TVD 5563.55  
INC 93.08 AZ 358.89  
VS 4515.9

PTB: MD 10182 TVD 5560.49  
INC 93.08 AZ 358.89  
VS 4571.52



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