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WWW.HZMUD.COM/25

Customer Information

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

Geologist: Renee Clackler
Noble Energy Inc.

Mud Logging Details

Logger: Sam Stelzer &
Scott Haney
Log Interval: 6660' MD to 16323' MD
Start Date: March 11, 2015
Release Date: March 15, 2015

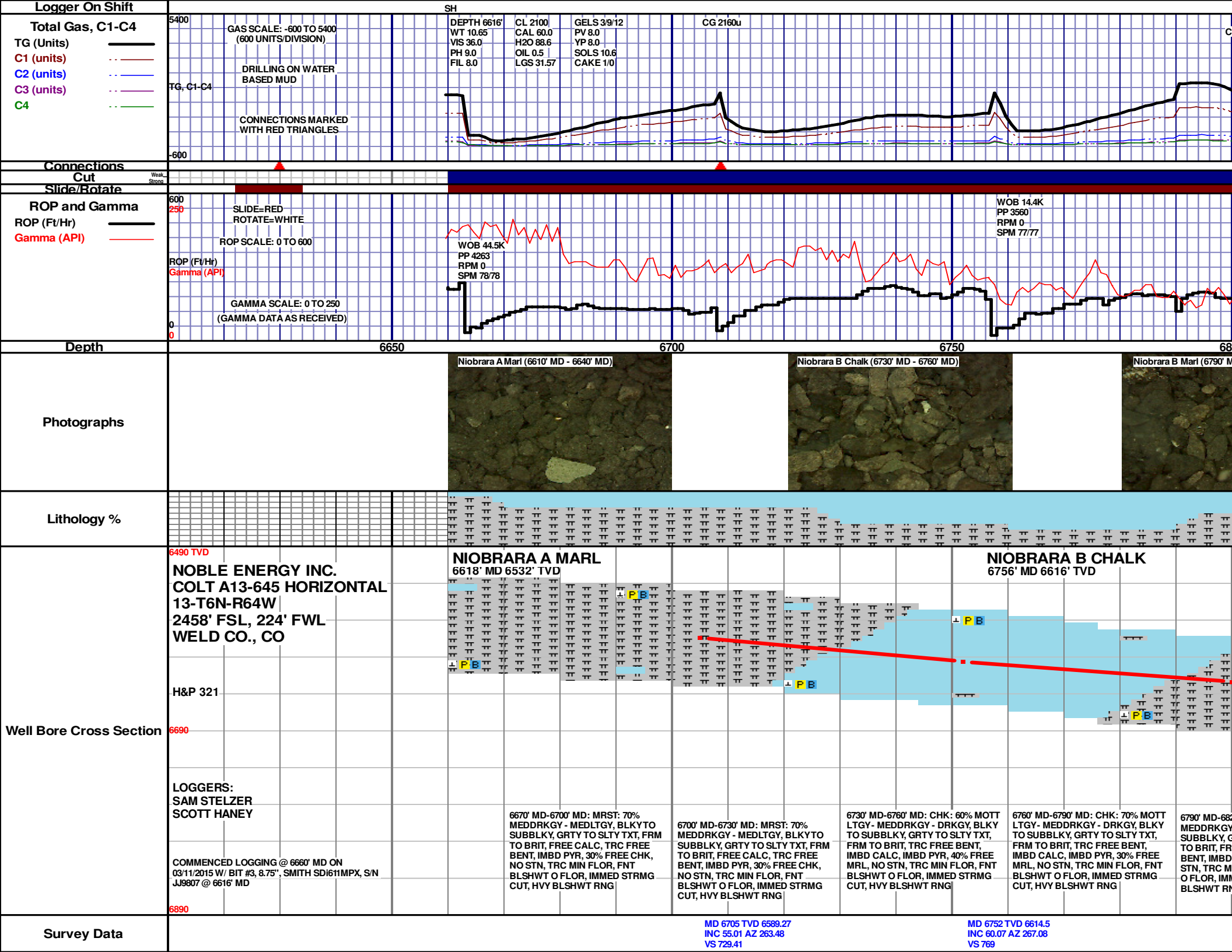
Well Information

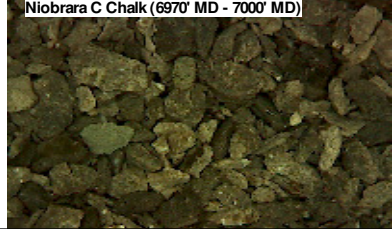
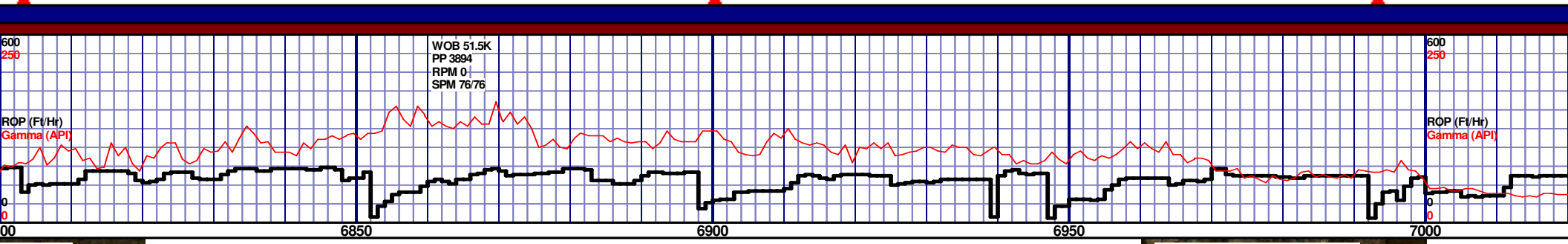
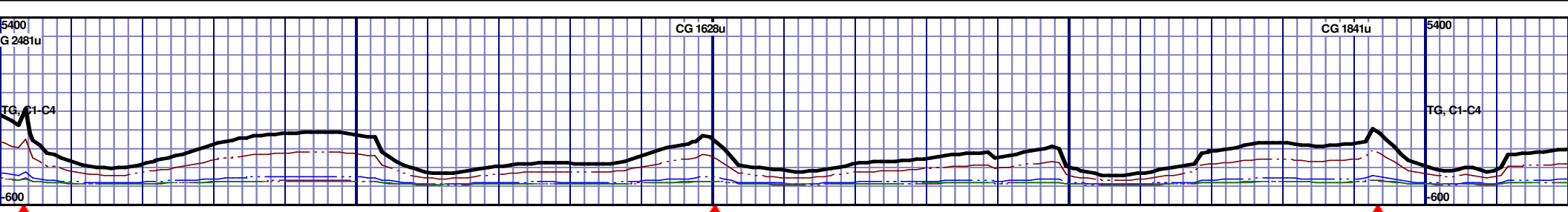
Well Name: Colt A13-645 Horizontal

Location: 13-T6N-R64W
2458' FSL, 224' FWL

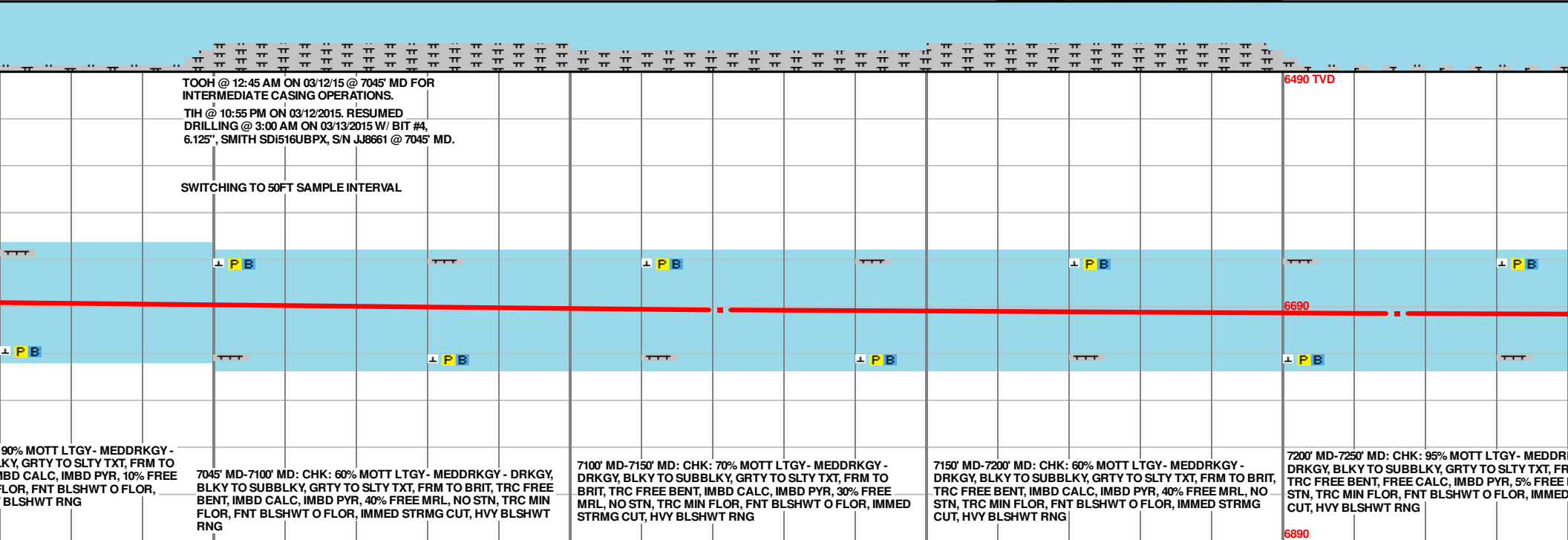
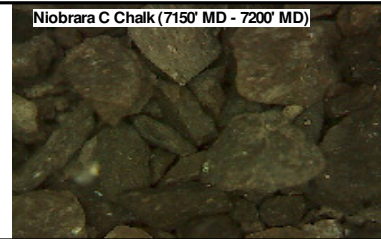
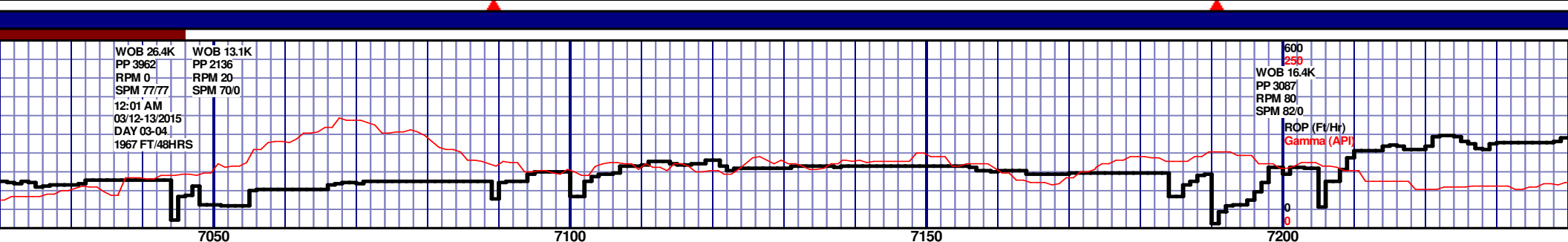
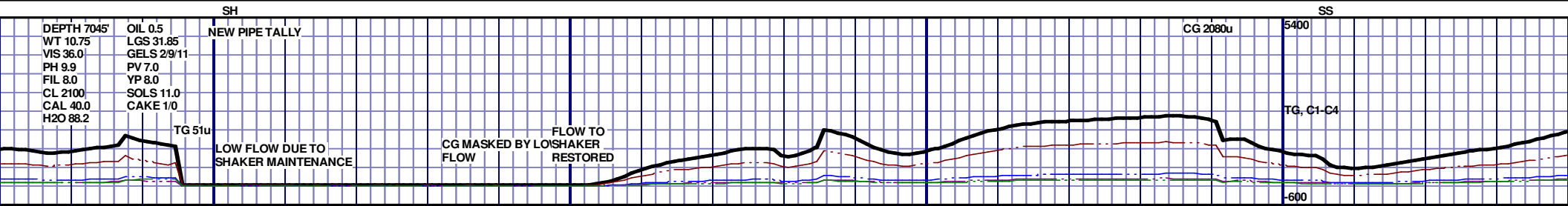
County: Weld
State: Colorado

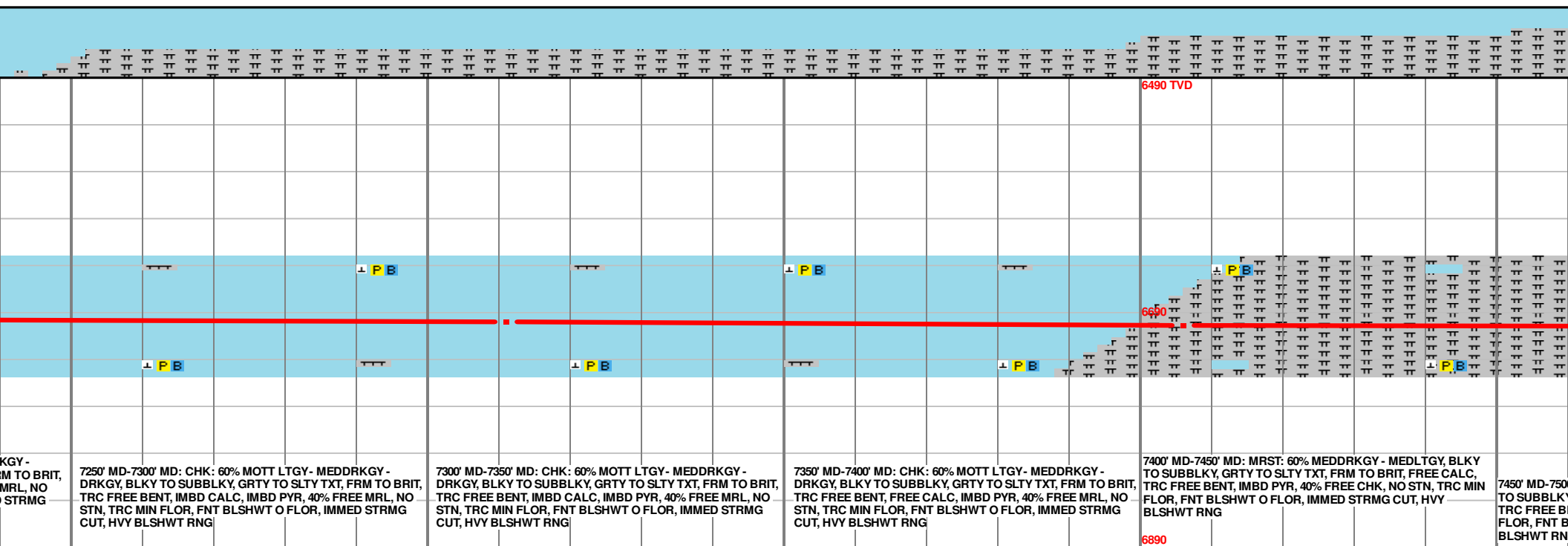
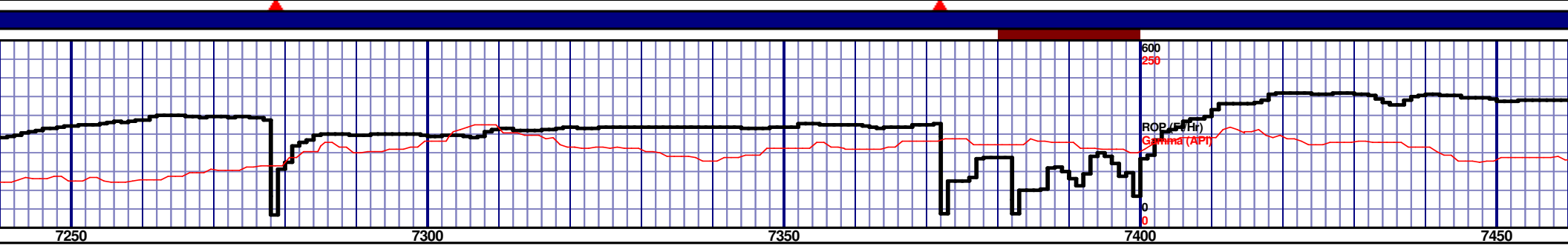
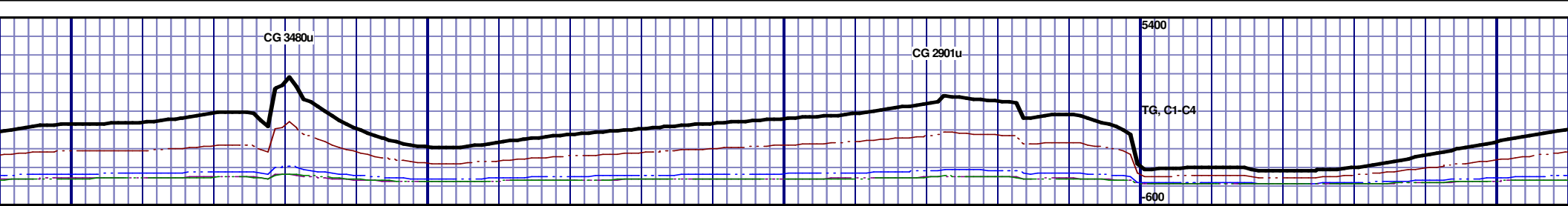
Drilling Rig: H&P 321
Total Depth: 16323' MD
TD Date: March 15, 2015
Formation: Niobrara C Chalk
KB Elevation: 4694'
GR Elevation: 4664'
API Number: 05-123-40910-0000





6490 TVD										6490 TVD									
NIOBRARA B MARL 6816' MD 6643' TVD										NIOBRARA C CHALK 6981' MD 6683' TVD									
6890										6890									
20' MD: MRST: 60% - MEDLTGY, BLKYO GRTY TO SLTY TXT, FRM EE CALC, TRC FREE PYR, 40% FREE CHK, NO IN FLOR, FNT BLSHWT MED STRMG CUT, HVY NG										6820' MD-6850' MD: MRST: 85% MEDDRKGY - MEDLTGY, BLKYO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC FREE BENT, IMBD PYR, 15% FREE CHK, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
6890										6890									
6850' MD-6880' MD: MRST: 90% MEDDRKGY - MEDLTGY, BLKYO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC FREE BENT, IMBD PYR, 10% FREE CHK, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG										6880' MD-6910' MD: MRST: 80% MEDDRKGY - MEDLTGY, BLKYO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC FREE BENT, IMBD PYR, 20% FREE CHK, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
6890										6890									
6910' MD-6940' MD: MRST: 75% MEDDRKGY - MEDLTGY, BLKYO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC FREE BENT, IMBD PYR, 25% FREE CHK, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG										6940' MD-6970' MD: MRST: 60% MEDDRKGY - MEDLTGY, BLKYO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC FREE BENT, IMBD PYR, 40% FREE CHK, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
6890										6890									
6970' MD-7000' MD: CHK: 65% MOTT LTGY - MEDDRKGY - DRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, TRC FREE BENT, IMBD CALC, IMBD PYR, 35% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG										7000' MD-7045' MD: CHK: DRKGY, BLKY TO SUBBL BRIT, TRC FREE BENT, IM MRL, NO STN, TRC MIN F IMMED STRMG CUT, HVY									
6890										6890									





MD 7250-7300' MD: CHK: 60% MOTT LTGY- MEDDRKGY - DRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, TRC FREE BENT, IMBD CALC, IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

MD 7300-7350' MD: CHK: 60% MOTT LTGY- MEDDRKGY - DRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, TRC FREE BENT, IMBD CALC, IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

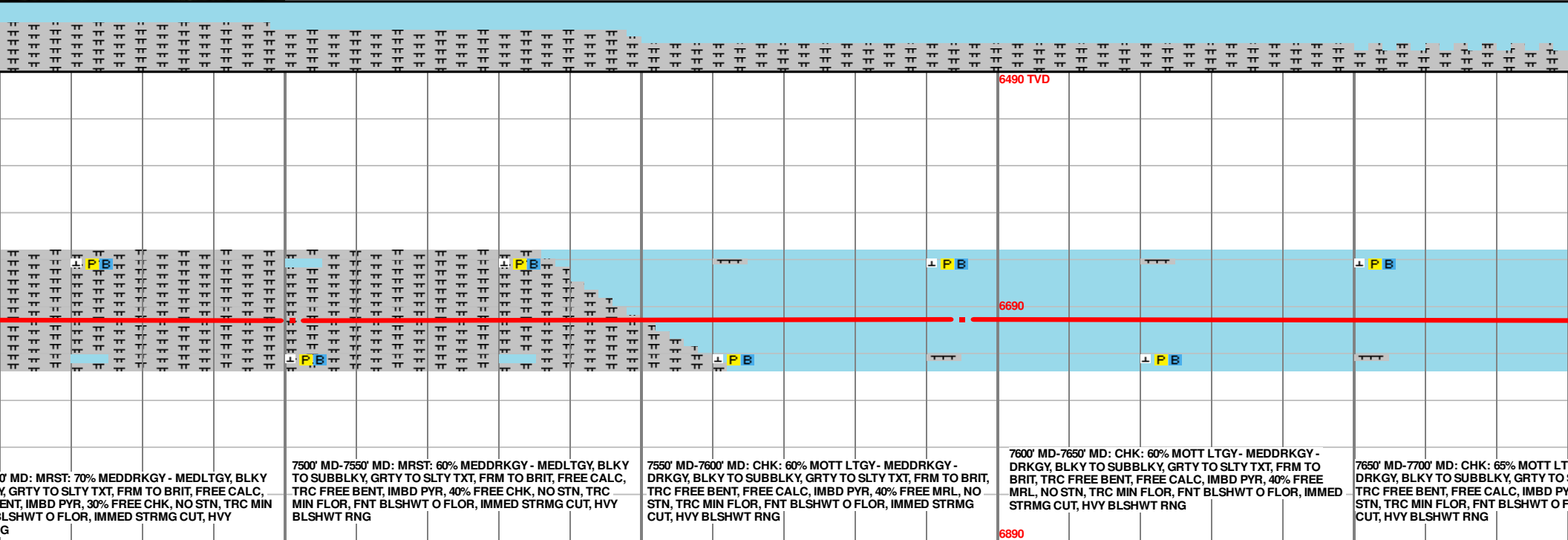
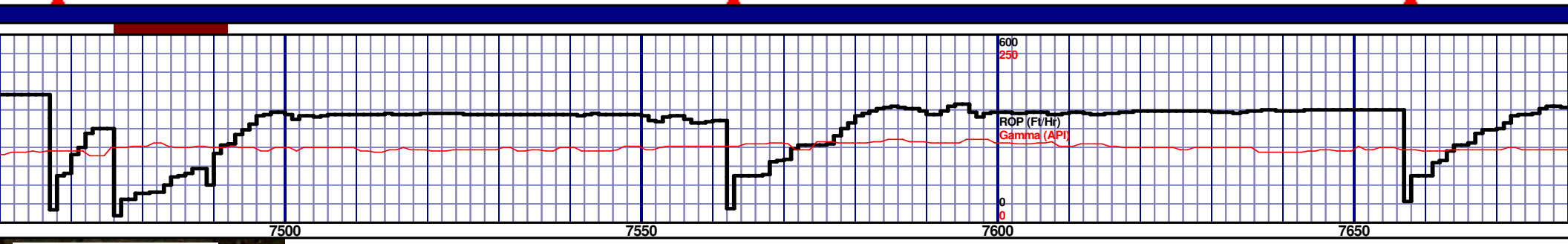
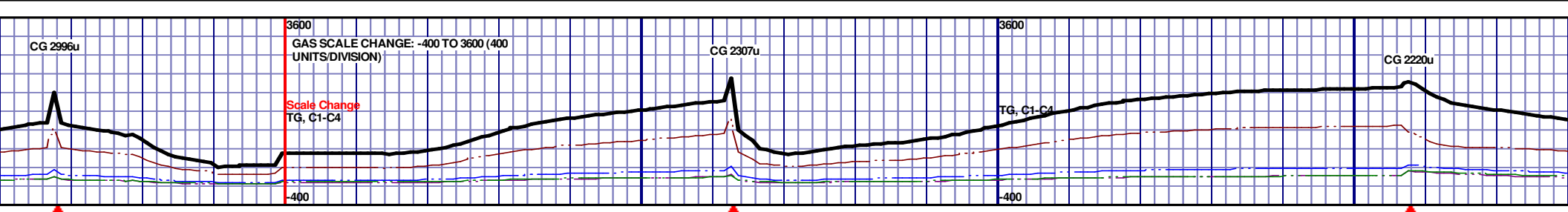
MD 7350-7400' MD: CHK: 60% MOTT LTGY- MEDDRKGY - DRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, TRC FREE BENT, FREE CALC, IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

MD 7400-7450' MD: MRST: 60% MEDDRKGY - MEDLTGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC FREE BENT, IMBD PYR, 40% FREE CHK, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

MD 7450-7500' MD: MRST: 60% MEDDRKGY - MEDLTGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC FREE BENT, IMBD PYR, 40% FREE CHK, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

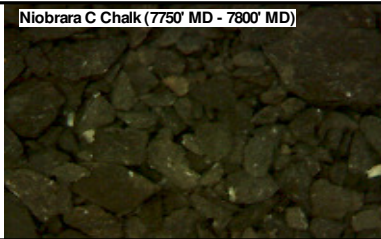
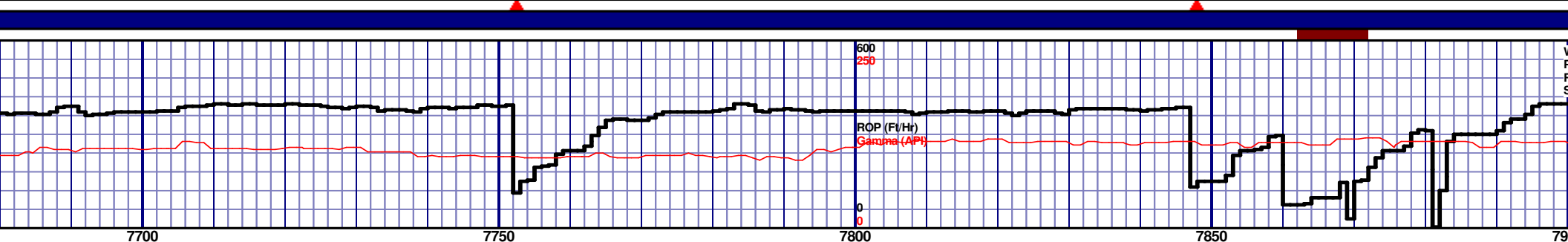
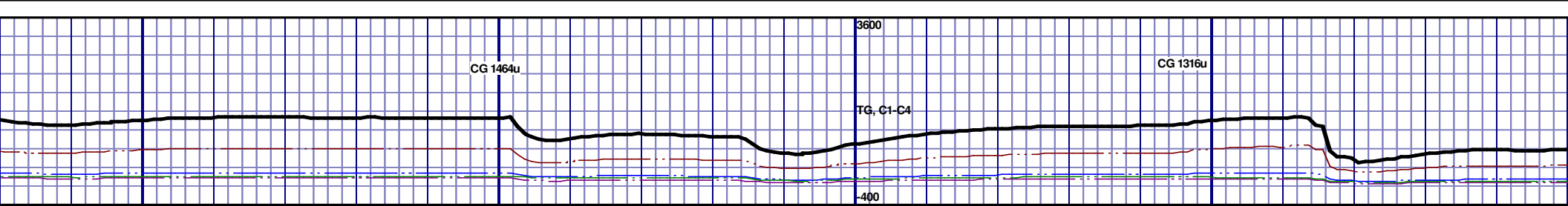
MD 7311 TVD 6698.41
INC 88.37 AZ 269.01
VS 1314.52

MD 7406 TVD 6700.92
INC 88.61 AZ 269.35
VS 1409.46

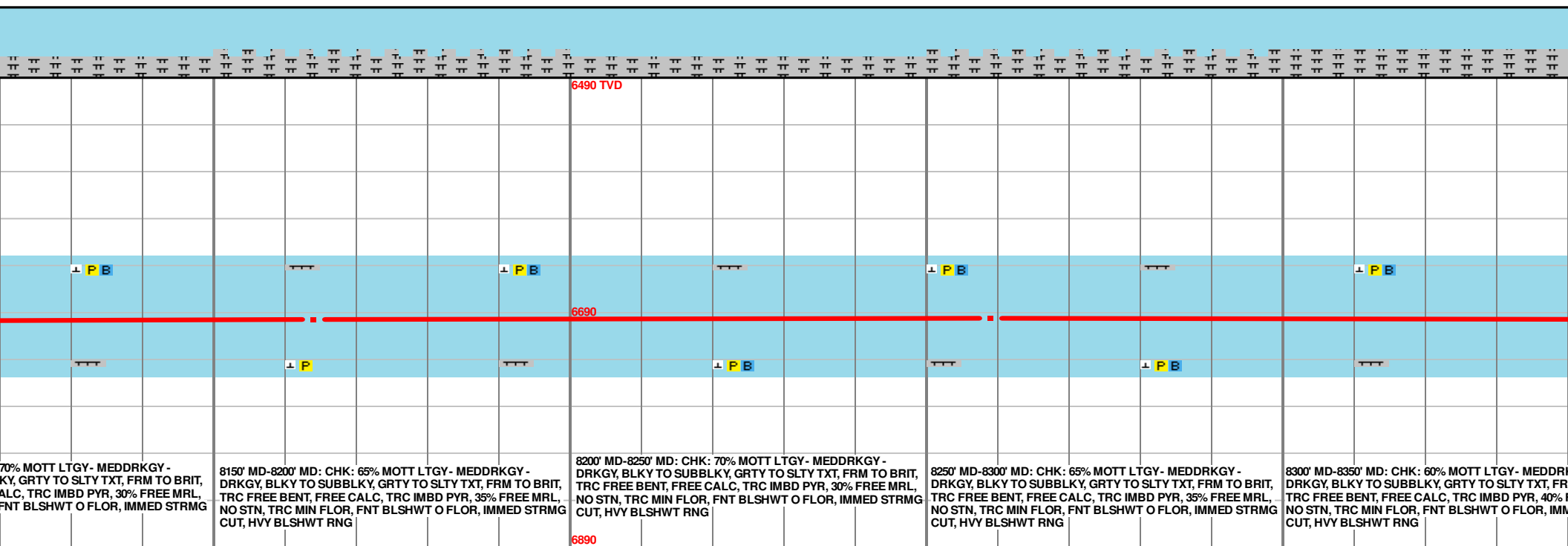
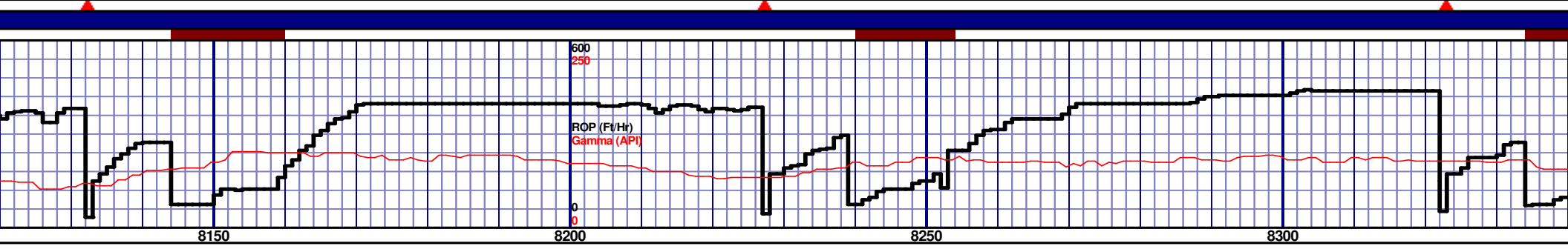
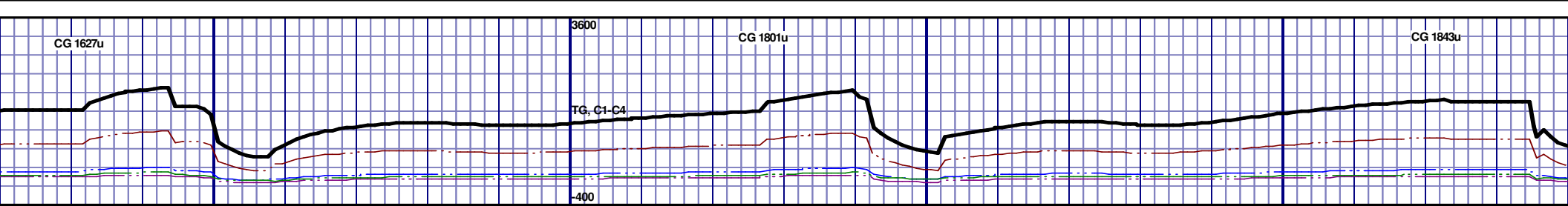


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INC 90.4 AZ 269.05
VS 1504.42

MD 7595 TVD 6701.36
INC 90.06 AZ 268.44
VS 1598.41

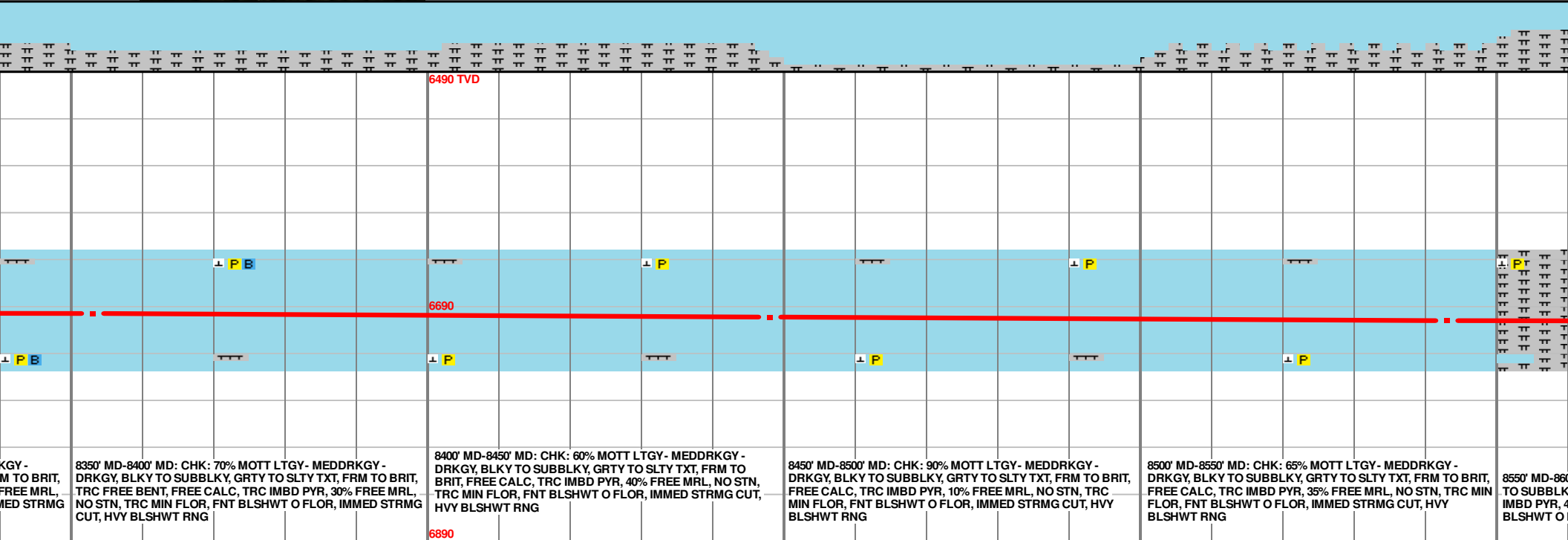
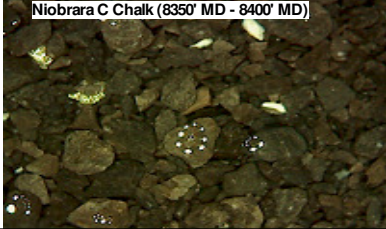
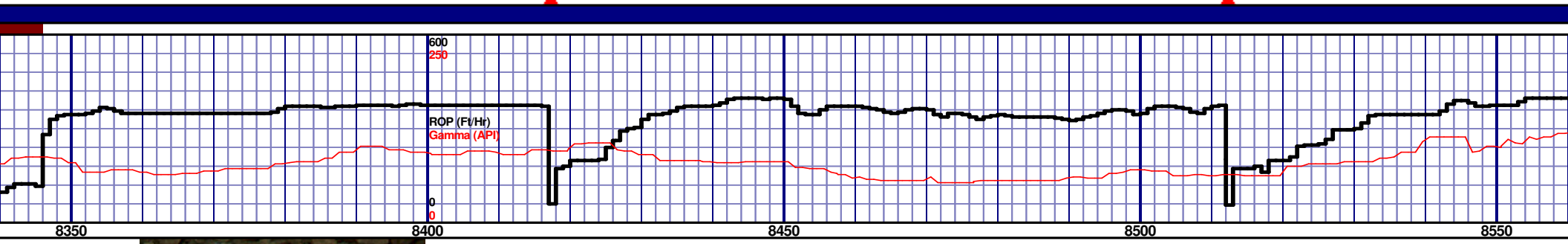
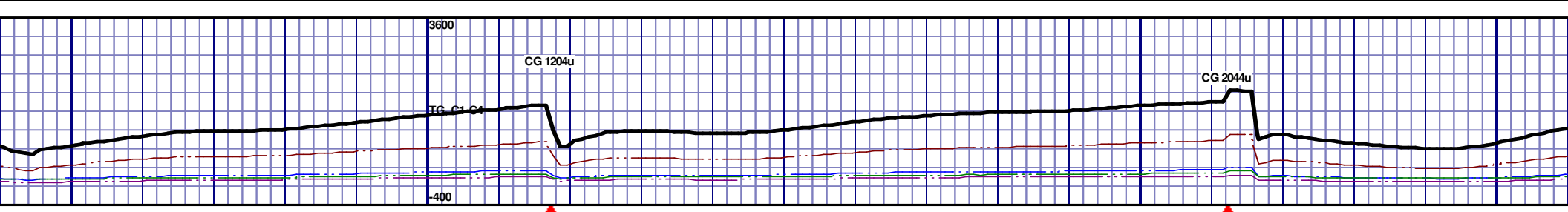


7700' MD-7750' MD: CHK: 60% MOTT LTGY - MEDDRKGY - DRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, TRC FREE BENT, FREE CALC, IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
7750' MD-7800' MD: CHK: 55% MOTT LTGY - MEDDRKGY - DRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, TRC FREE BENT, FREE CALC, TRC IMBD PYR, 45% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
7800' MD-7850' MD: MRST: 60% MEDDRKGY - MEDLTGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC FREE BENT, IMBD PYR, 40% FREE CHK, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
7850' MD-7900' MD: MRST: 70% MEDDRKGY - MEDLTGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC FREE BENT, IMBD PYR, 30% FREE CHK, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									

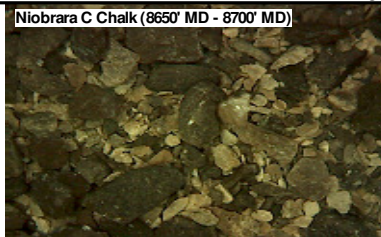
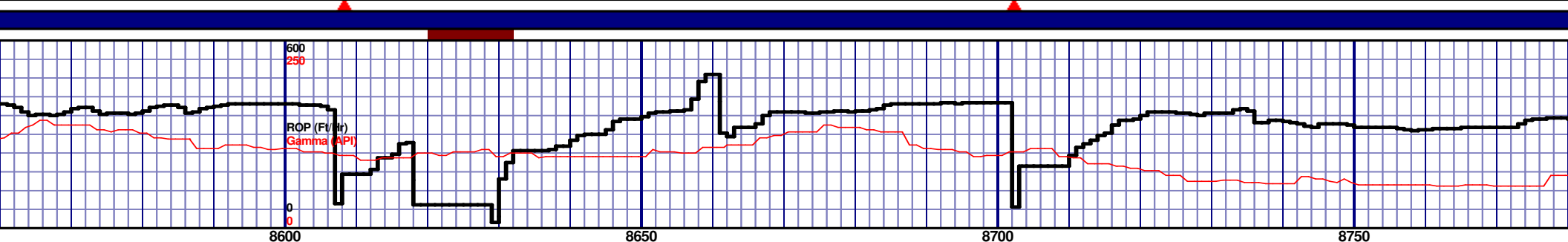
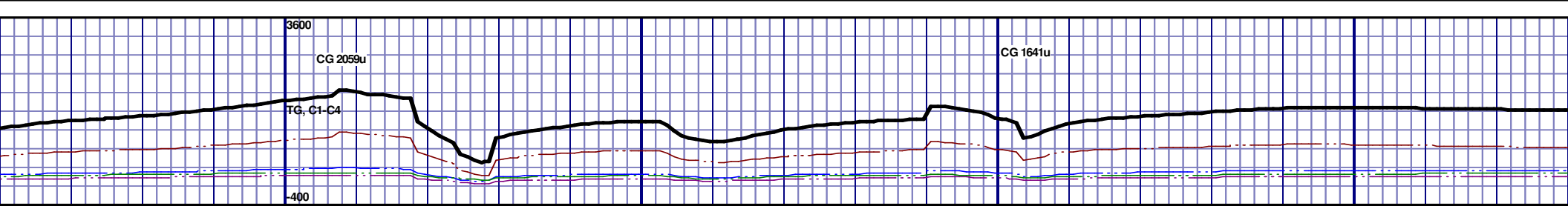


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INC 90.92 AZ 268.29
VS 2167.31

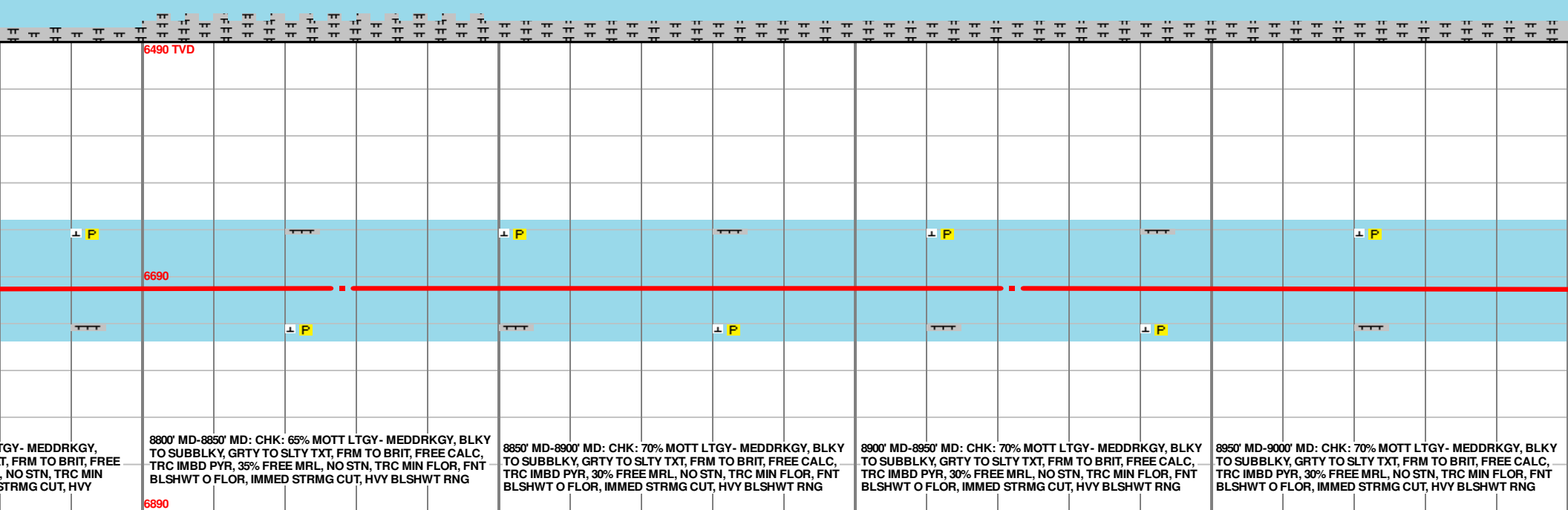
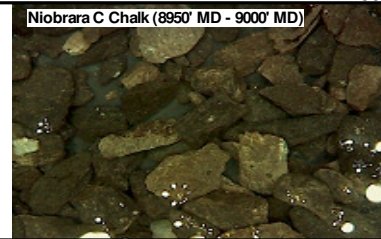
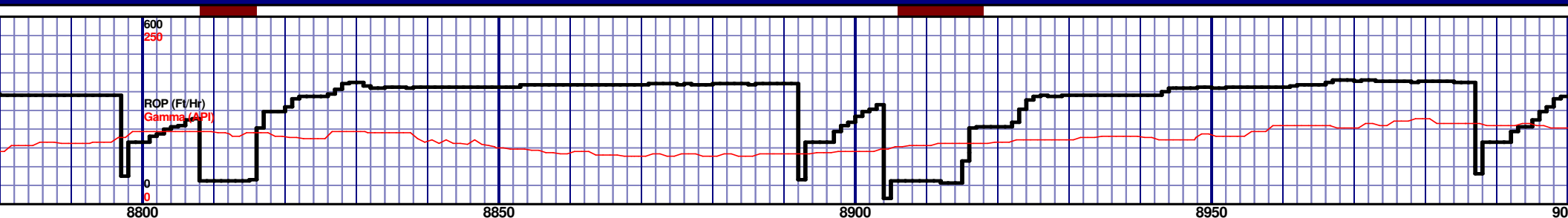
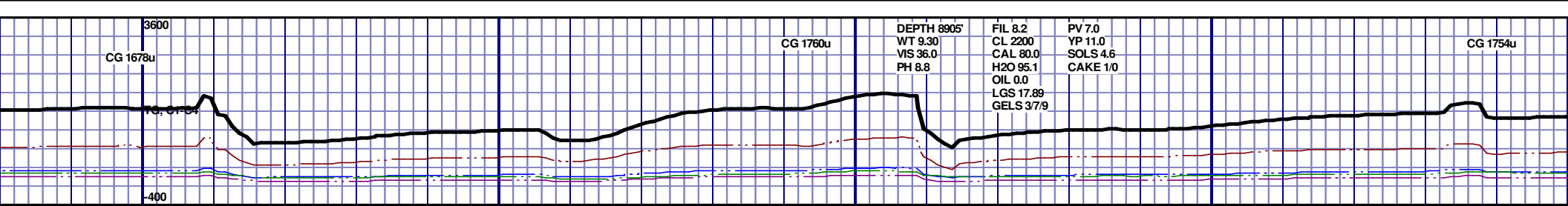
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INC 89.97 AZ 268.81
VS 2262.3



8350' MD-8400' MD: CHK: 70% MOTT LTGY- MEDDRKGY - DRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, TRC FREE BENT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG	8400' MD-8450' MD: CHK: 60% MOTT LTGY- MEDDRKGY - DRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG	8450' MD-8500' MD: CHK: 90% MOTT LTGY- MEDDRKGY - DRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 10% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG	8500' MD-8550' MD: CHK: 65% MOTT LTGY- MEDDRKGY - DRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 35% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG	8550' MD-8600' MD: CHK: 60% MOTT LTGY- MEDDRKGY - DRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG
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<p>6490 TVD</p>	<p>6690</p>	<p>6690</p>	<p>6690</p>	<p>6690</p>
<p>8600' MD-8650' MD: CHK: 70% MOTT LTGY - MEDDRKGY - DRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>	<p>8650' MD-8700' MD: CHK: 70% MOTT LTGY - MEDDRKGY - DRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>	<p>8700' MD-8750' MD: CHK: 80% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 20% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>	<p>8750' MD-8800' MD: CHK: 80% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 20% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>	<p>8800' MD-8850' MD: CHK: 80% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 20% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>



8800' MD-8850' MD: CHK: 65% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 35% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

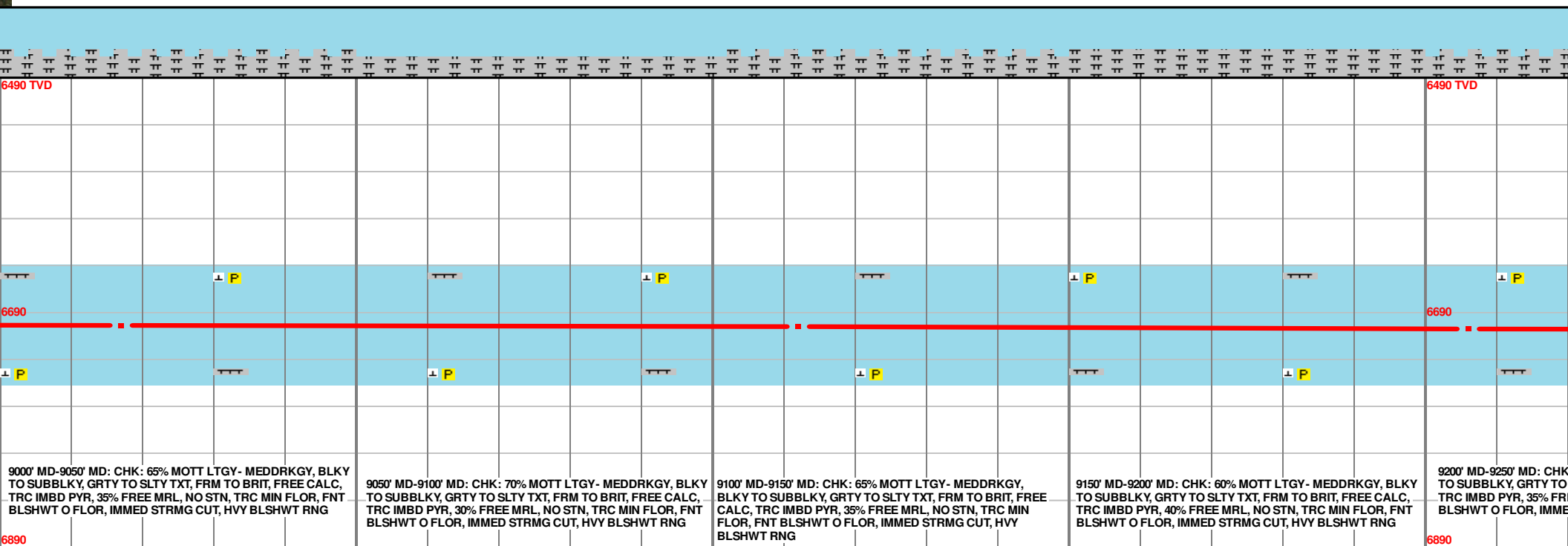
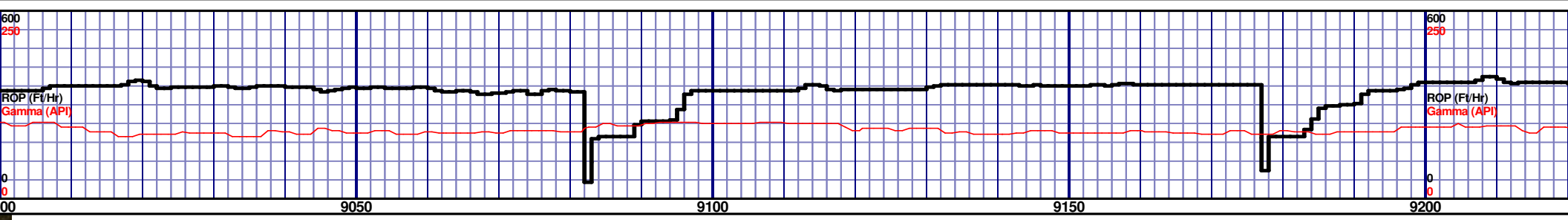
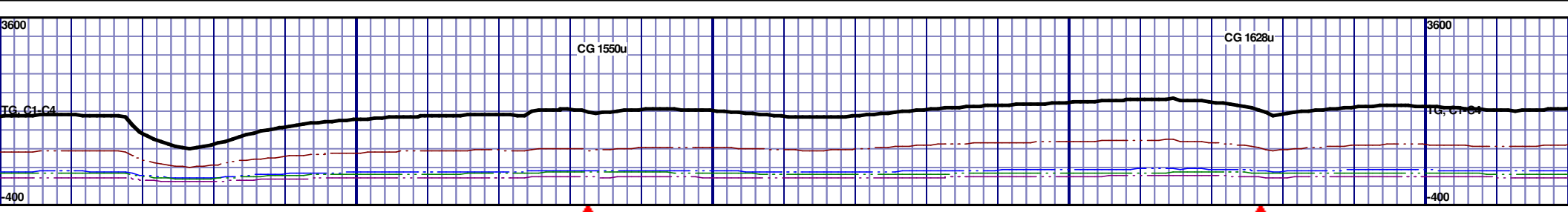
8850' MD-8900' MD: CHK: 70% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

8900' MD-8950' MD: CHK: 70% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

8950' MD-9000' MD: CHK: 70% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

MD 8828 TVD 6700.16
INC 90.55 AZ 268.85
VS 2831.14

MD 8922 TVD 6699.81
INC 89.88 AZ 268.23
VS 2925.14



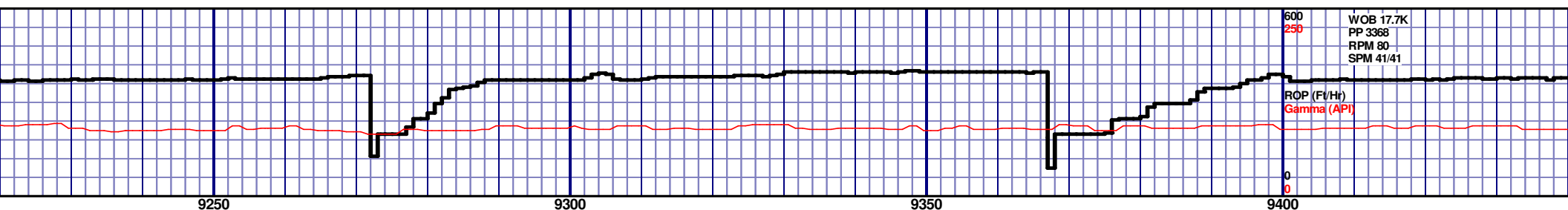
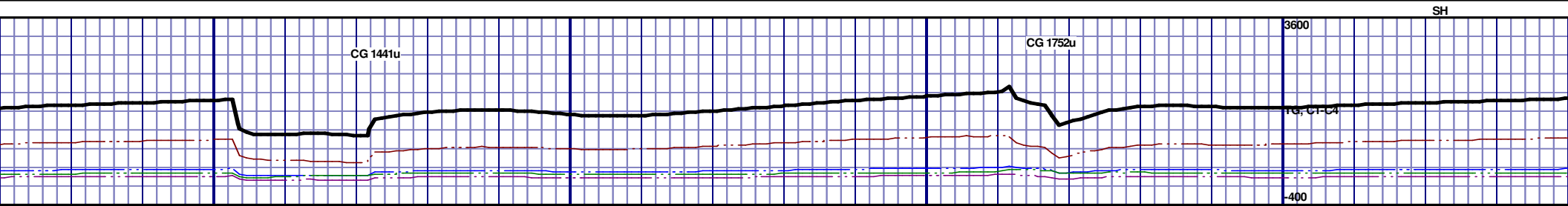
9000' MD-9050' MD: CHK: 65% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 35% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

9050' MD-9100' MD: CHK: 70% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

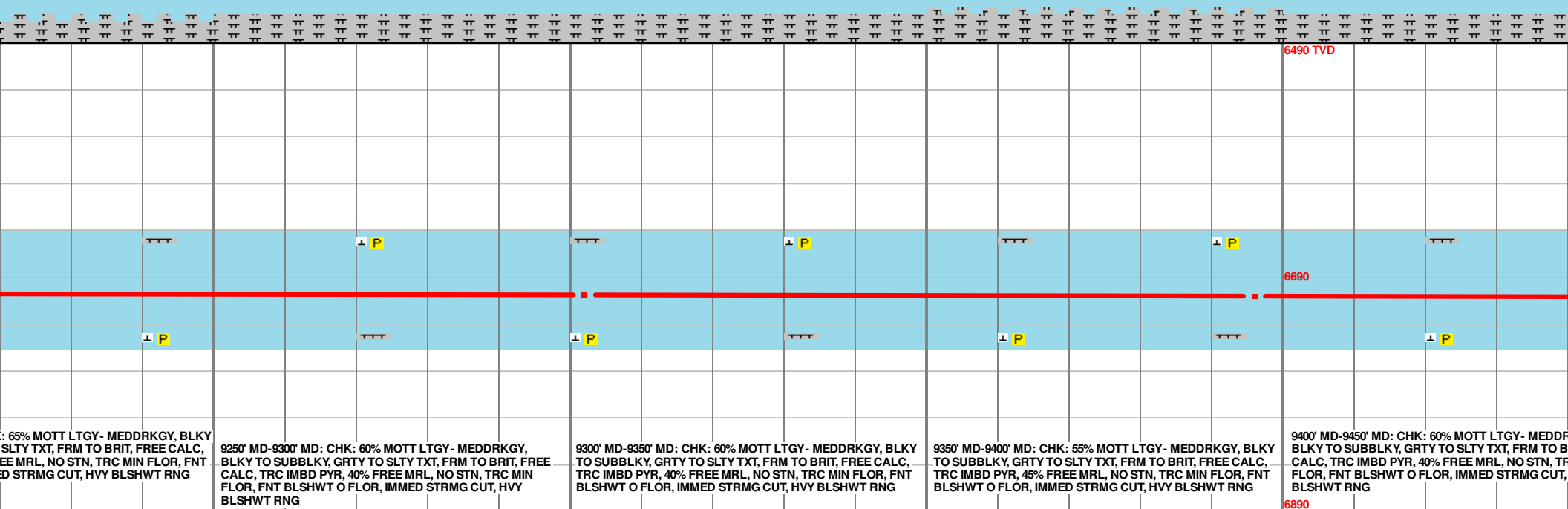
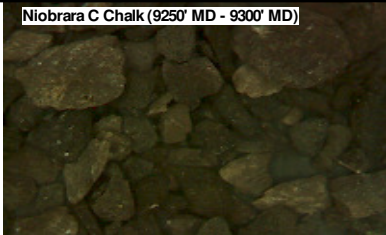
9100' MD-9150' MD: CHK: 65% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 35% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

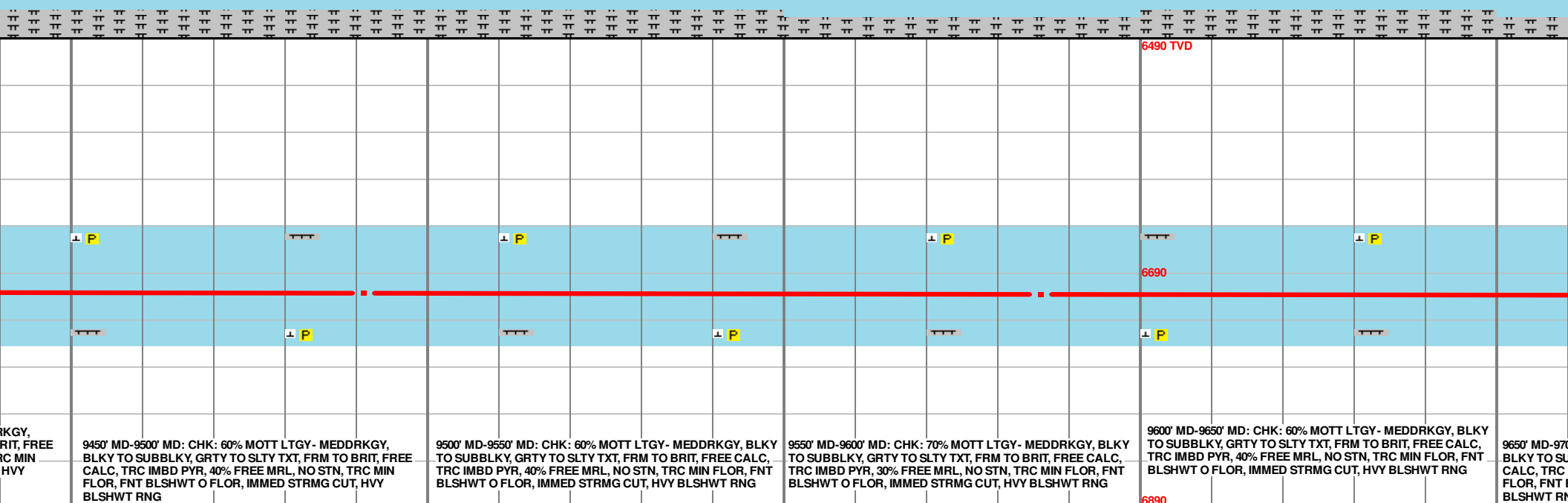
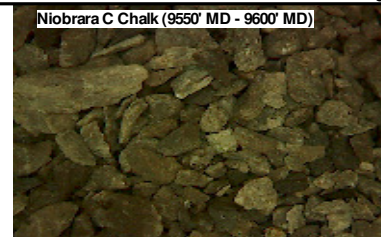
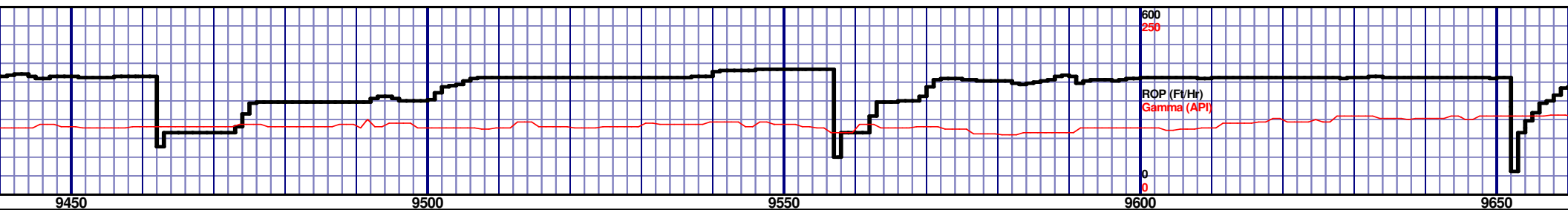
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9200' MD-9250' MD: CHK: 60% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 35% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG



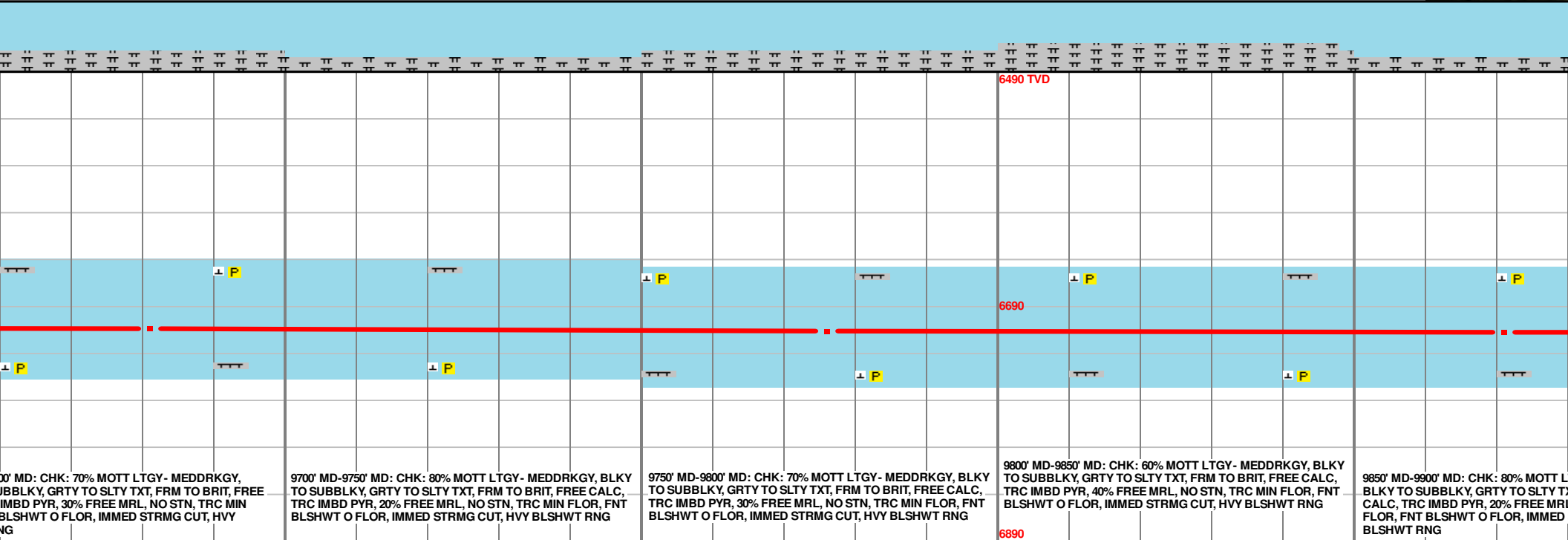
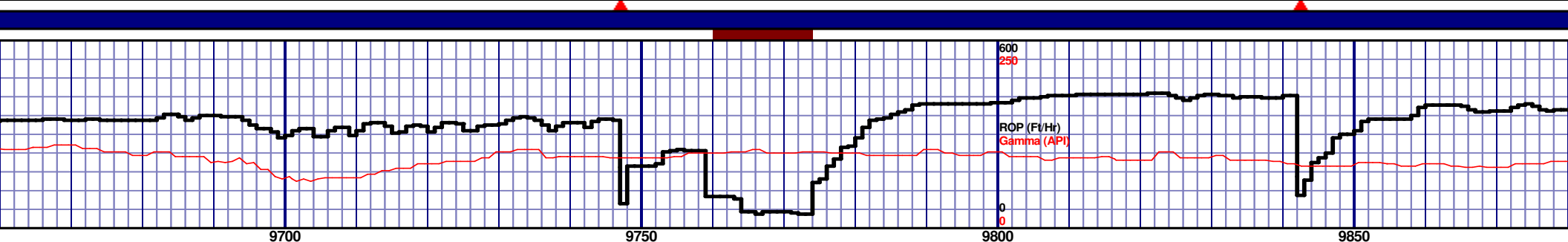
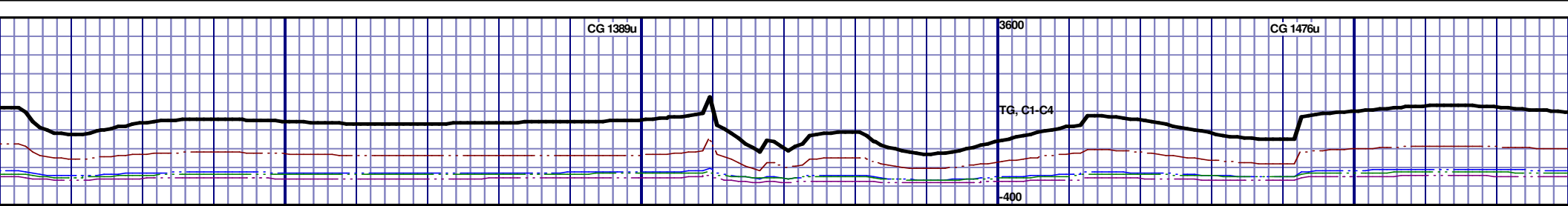
Niobrara C Chalk (9250' MD - 9300' MD)

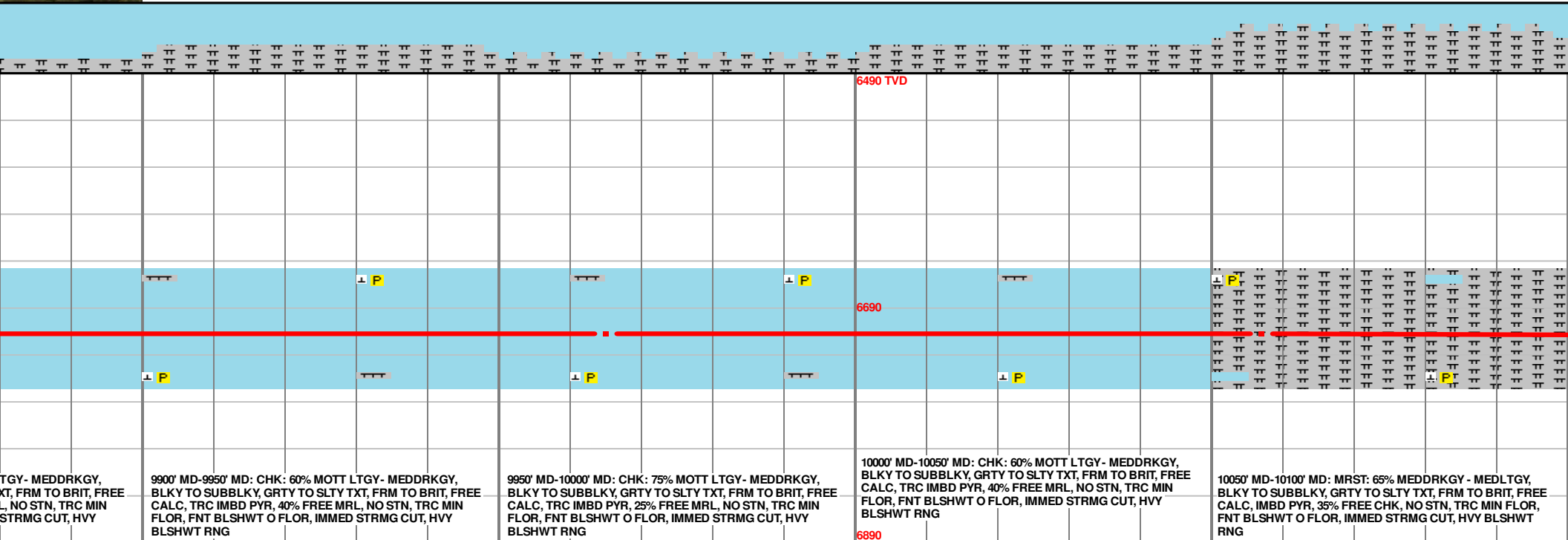
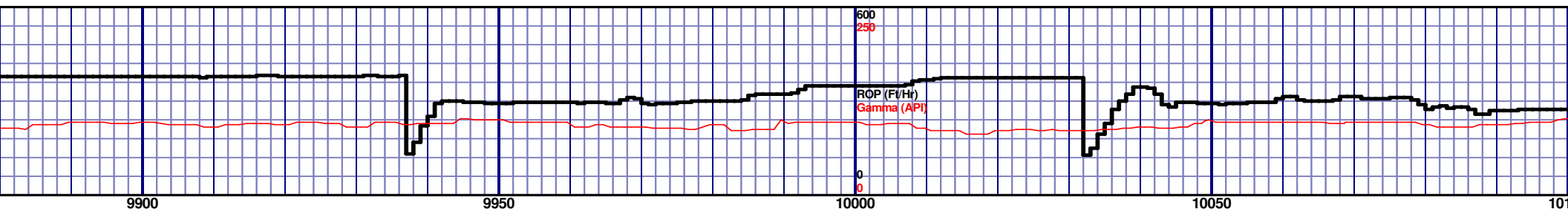
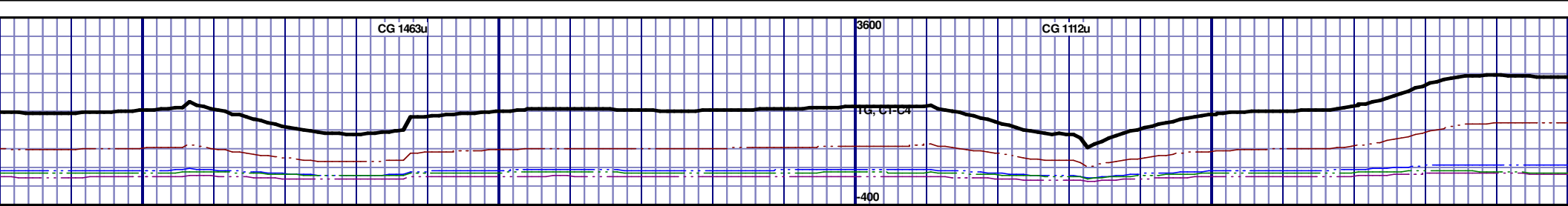




MD 9491 TVD 6707.21
INC 89.38 AZ 269.41
VS 3494.04

MD 9586 TVD 6707.67
INC 90.06 AZ 270.29
VS 3588.98

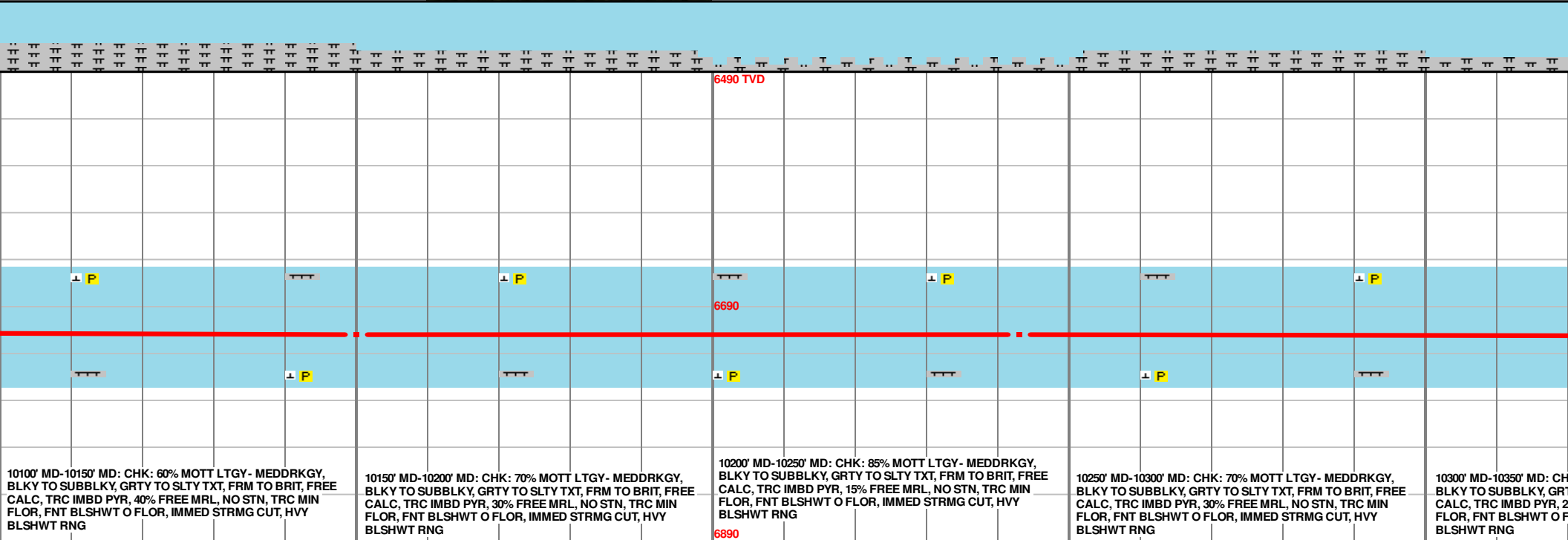
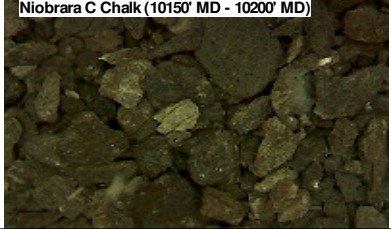
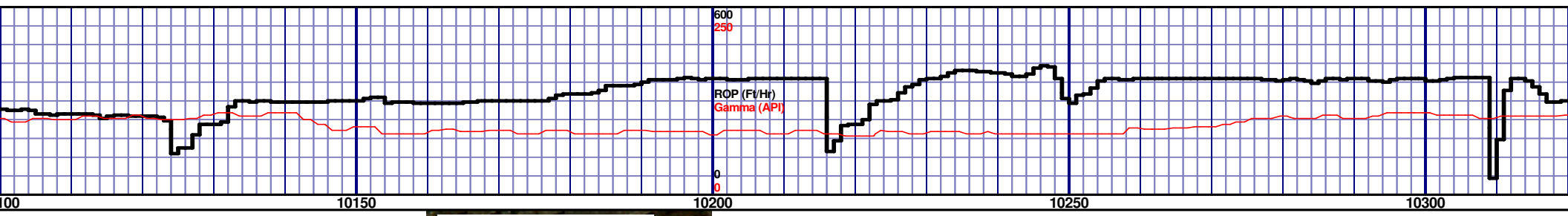
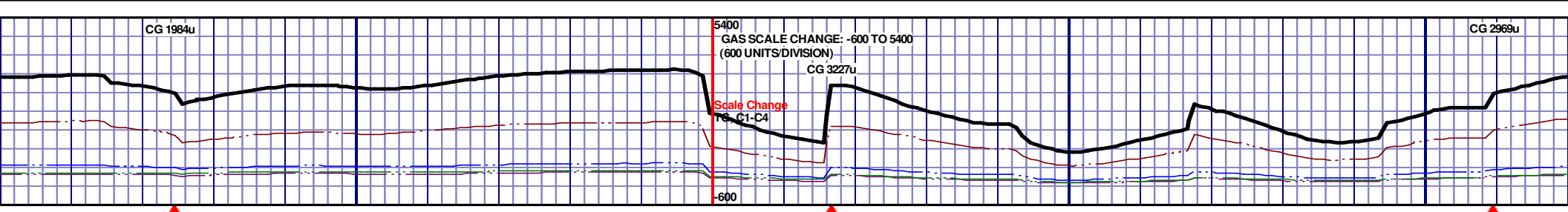




MD 6711.63
AZ 268.48

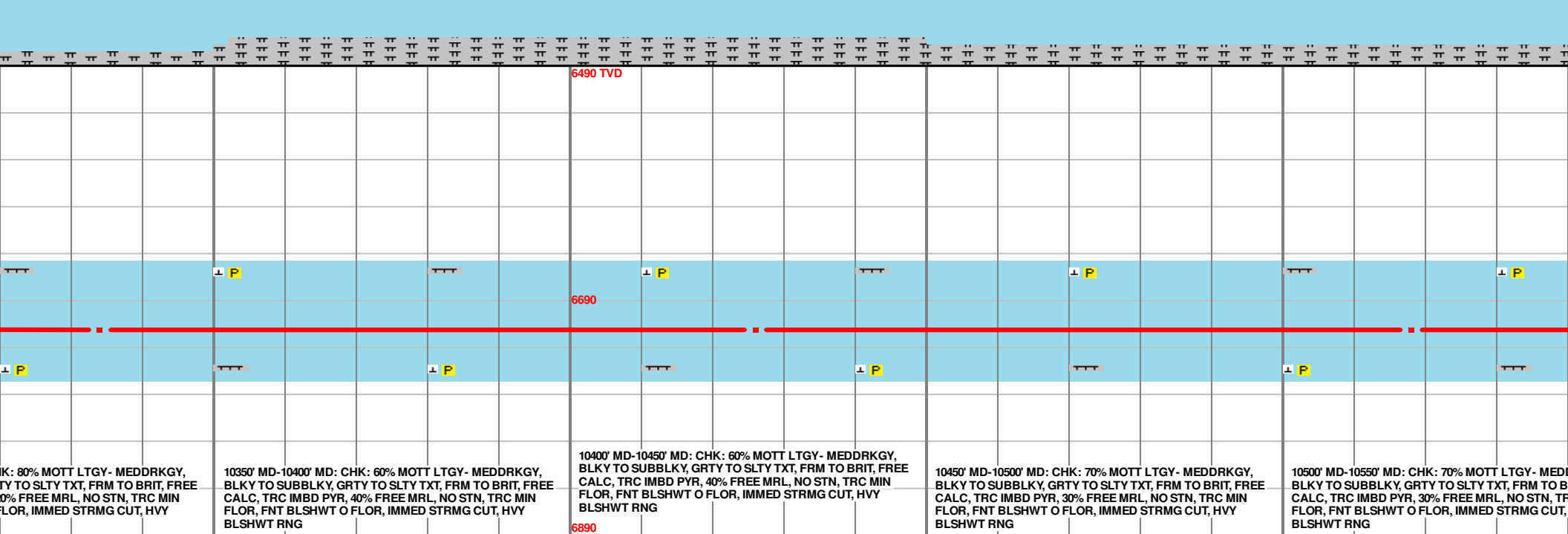
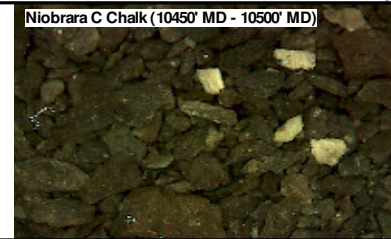
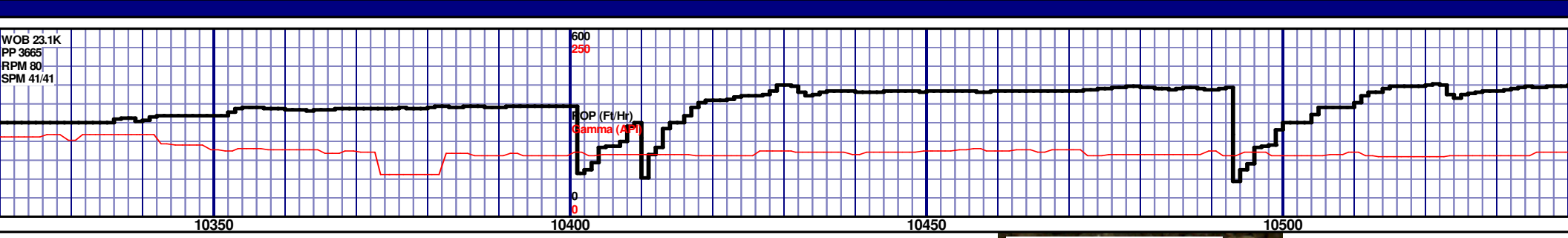
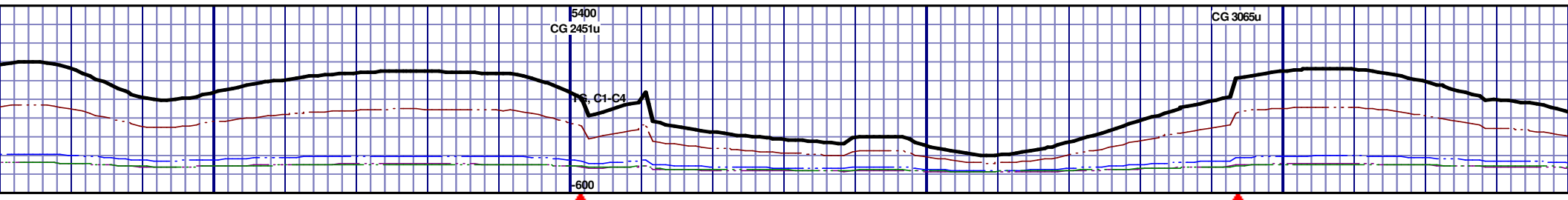
MD 9965 TVD 6711.9
INC 90.43 AZ 268.86
VS 3967.89

MD 10057 TVD 6712.3
INC 89.08 AZ 267.84
VS 4059.88



MD 10150 TVD 6713.77
INC 89.11 AZ 267.57
VS 4152.87

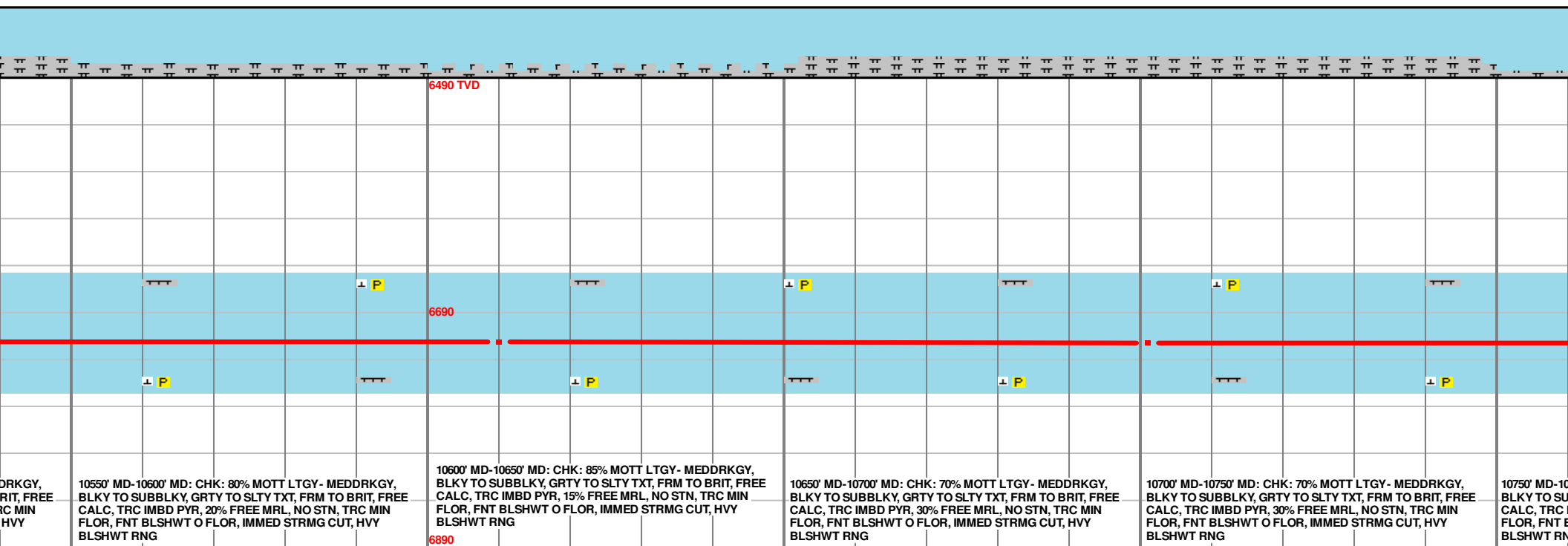
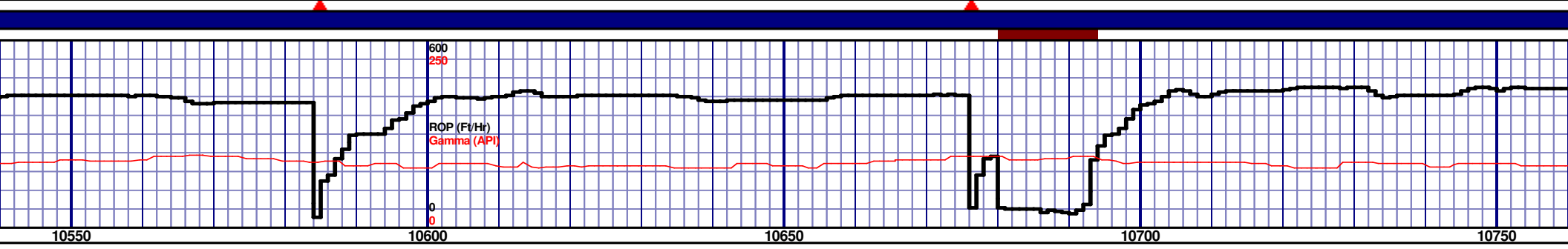
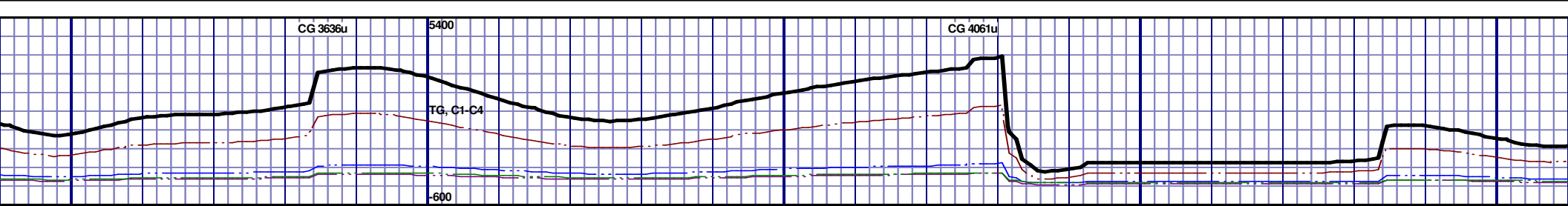
MD 10243 TVD 6714.26
INC 90.28 AZ 269.27
VS 4245.86



MD 10334 TVD 6714.58
INC 89.32 AZ 268.45
VS 4336.84

MD 10426 TVD 6715.05
INC 90.09 AZ 268.66
VS 4428.84

MD 10518 TVD 6714.93
INC 90.06 AZ 267.97
VS 4520.83



MD 10550' MD-10600' MD: CHK: 80% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 20% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

MD 10600' MD-10650' MD: CHK: 85% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 15% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

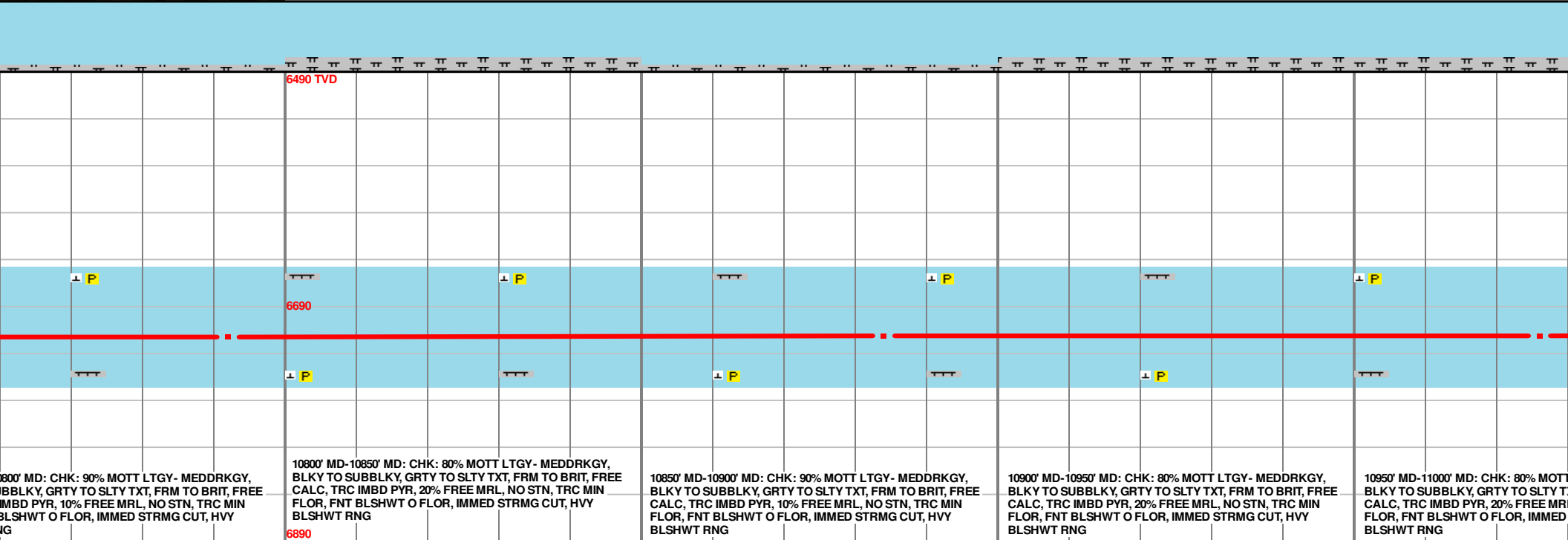
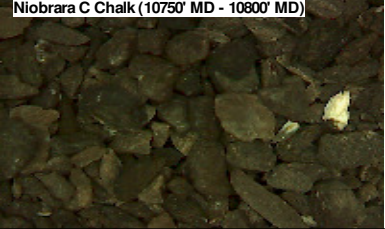
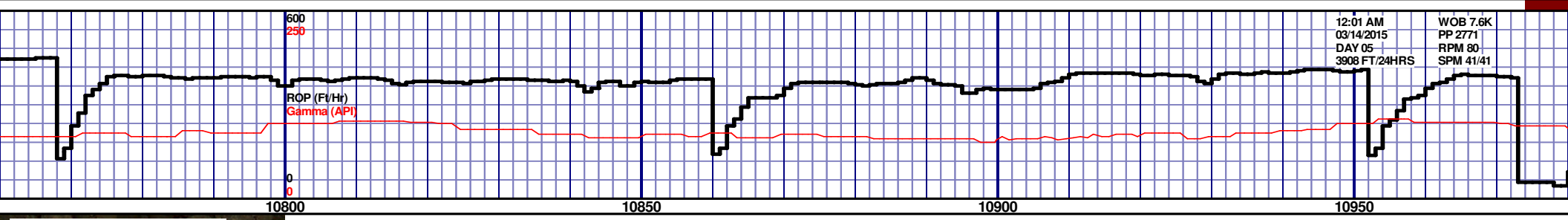
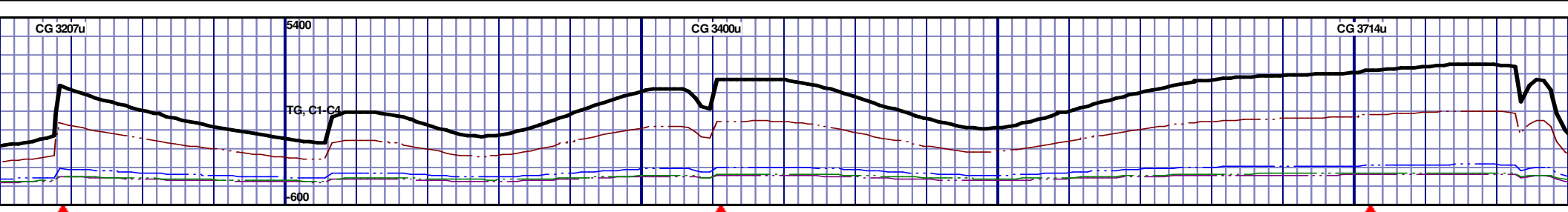
MD 10650' MD-10700' MD: CHK: 70% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

MD 10700' MD-10750' MD: CHK: 70% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

MD 10750' MD-10800' MD: CHK: 70% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

MD 10610 TVD 6715.11
INC 89.72 AZ 266.71
VS 4612.83

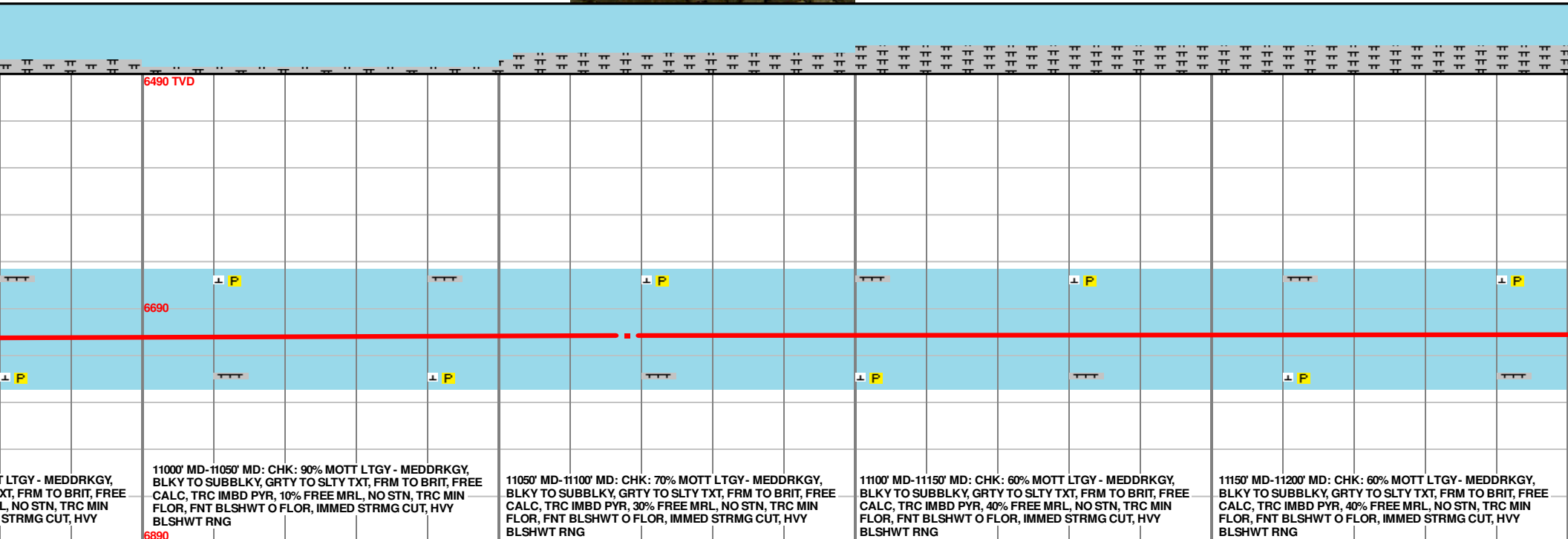
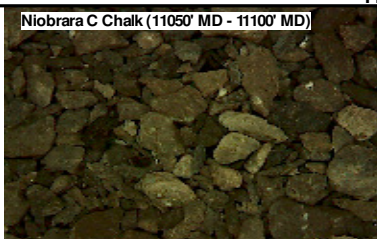
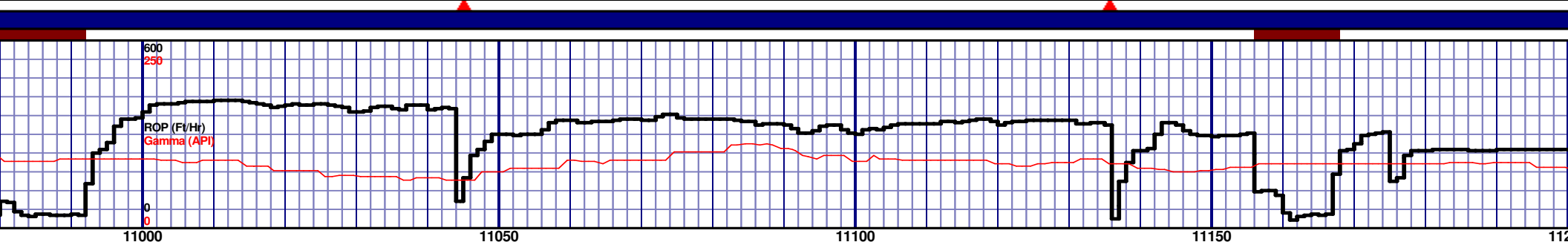
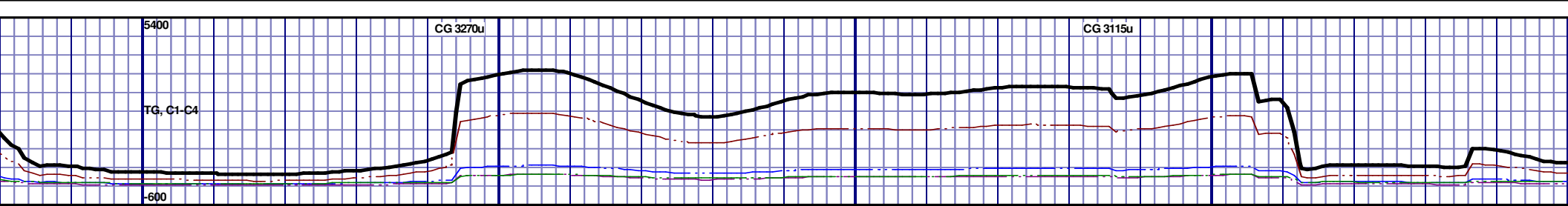
MD 10701 TVD 6715.65
INC 89.6 AZ 267.57
VS 4703.82

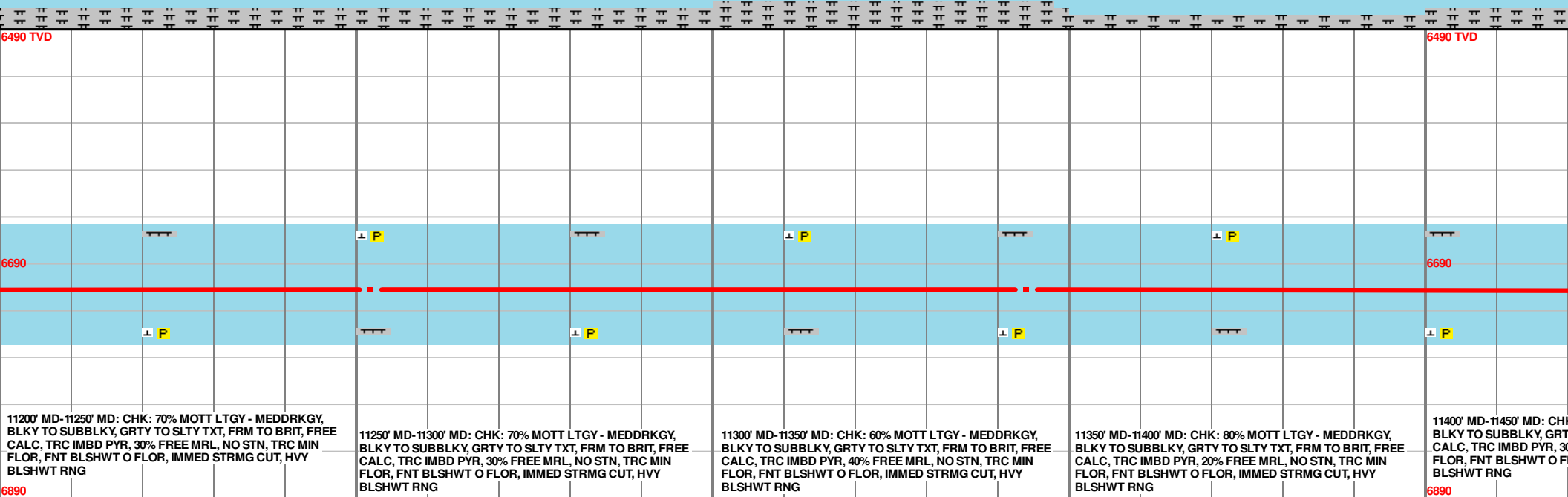
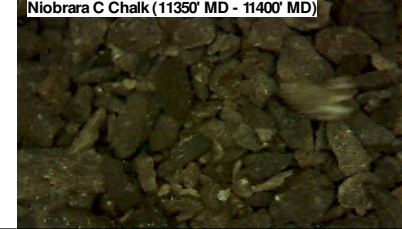
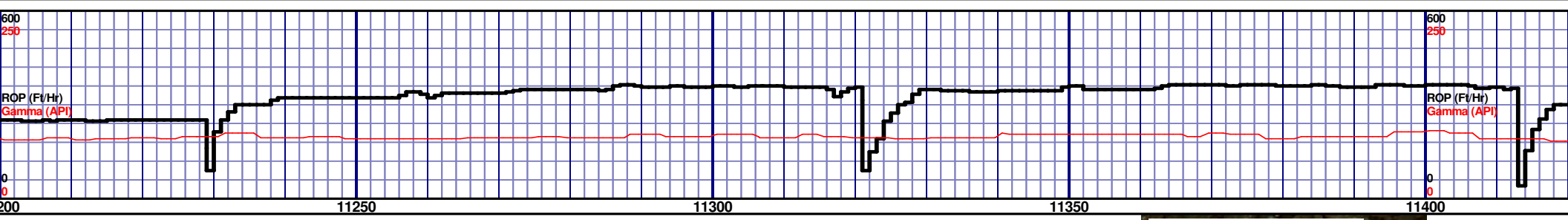
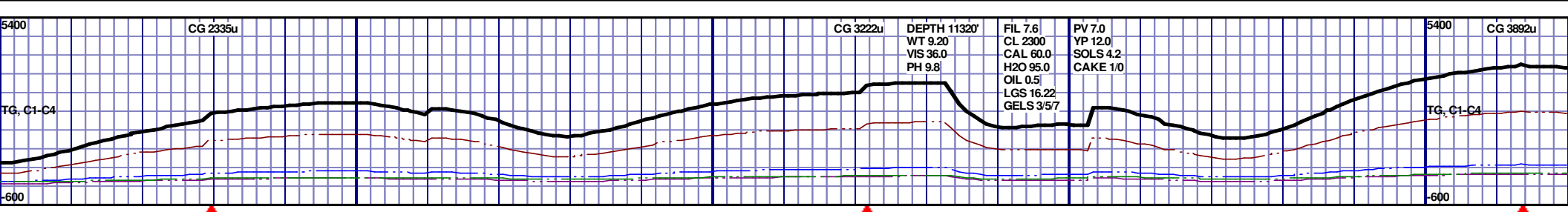


MD 10792 TVD 6715.74
INC 90.28 AZ 267.59
VS 4794.81

MD 10884 TVD 6715.45
INC 90.09 AZ 266.76
VS 4886.81

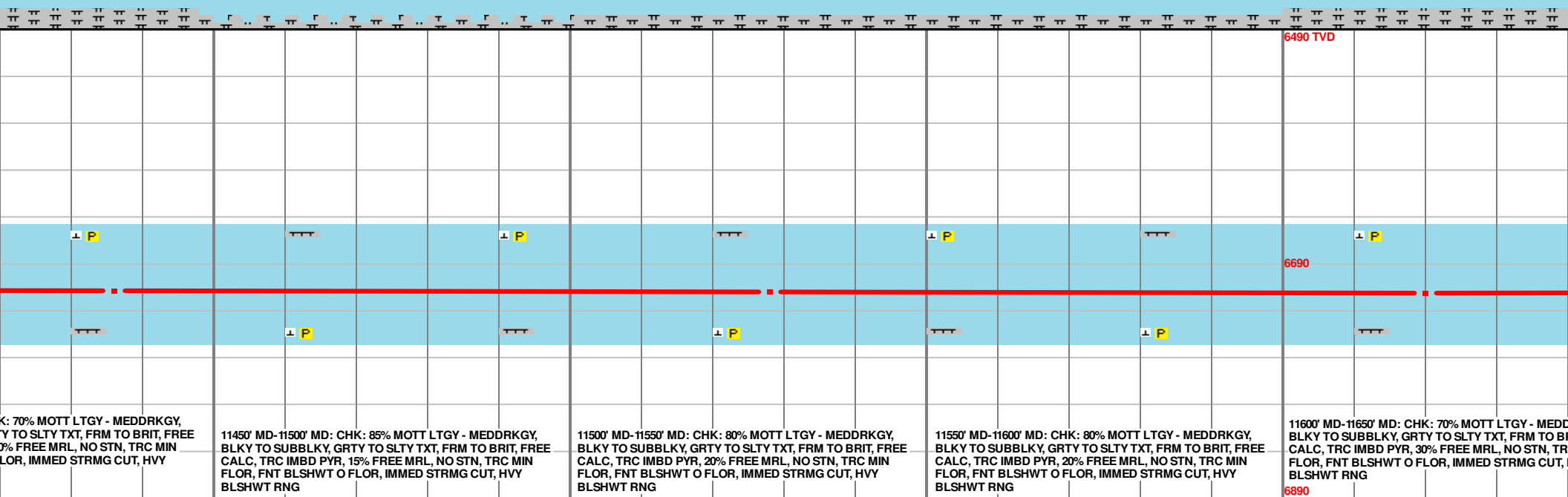
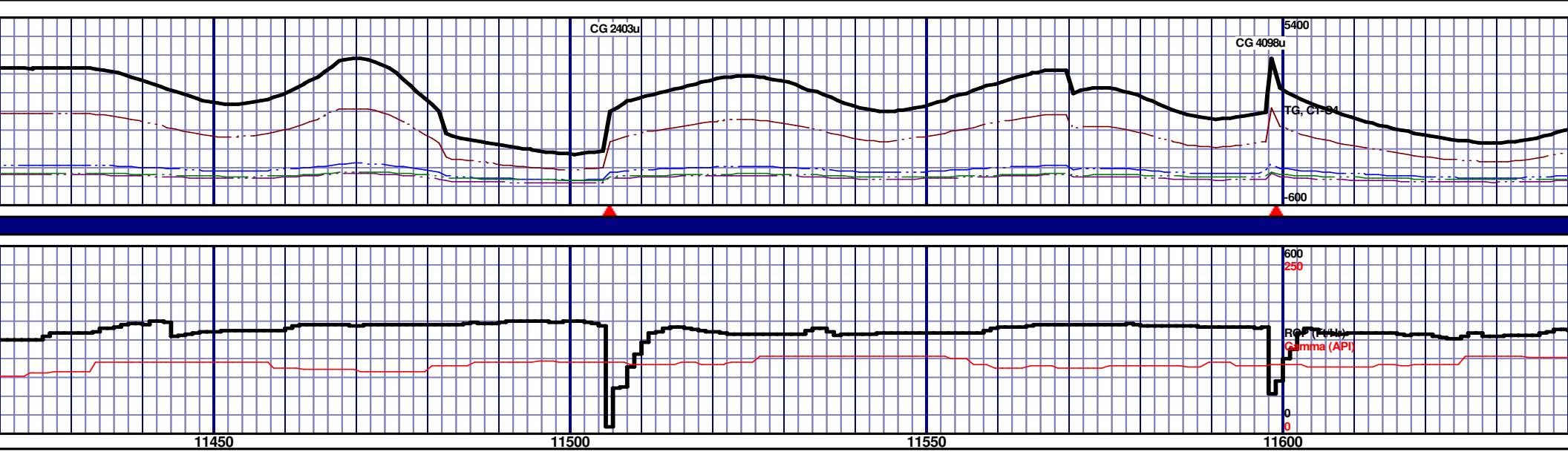
MD
INC
VS 4





MD 11252 TVD 6711.67
INC 89.63 AZ 270.2
VS 5254.61

MD 11344 TVD 6712.12
INC 89.82 AZ 270.44
VS 5346.52



CHK: 70% MOTT LTGY - MEDDRKGY, BLKY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 15% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

11450' MD-11500' MD: CHK: 85% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 15% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

11500' MD-11550' MD: CHK: 80% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 20% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

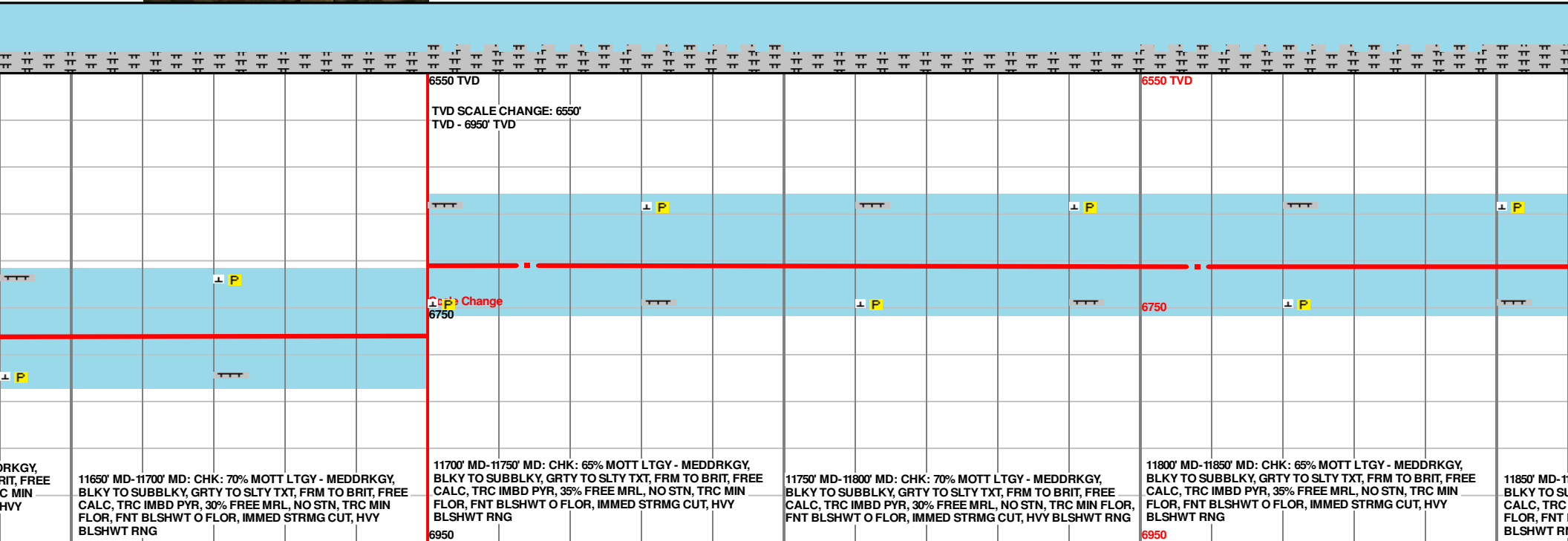
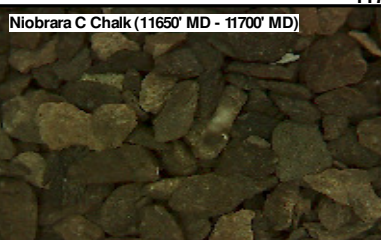
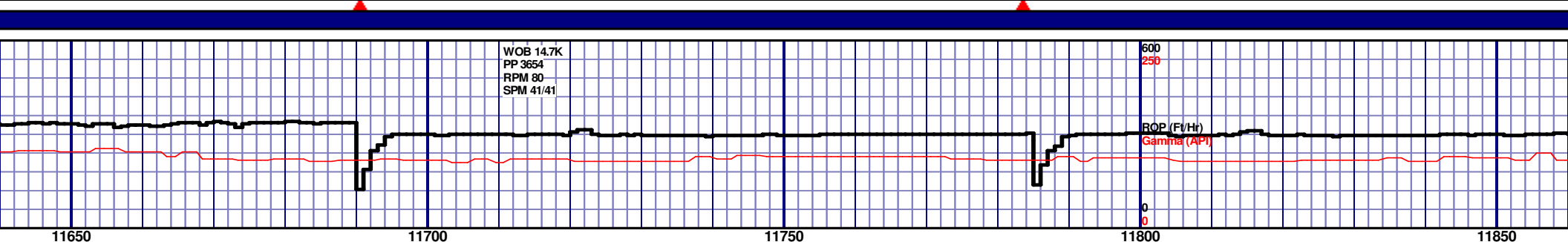
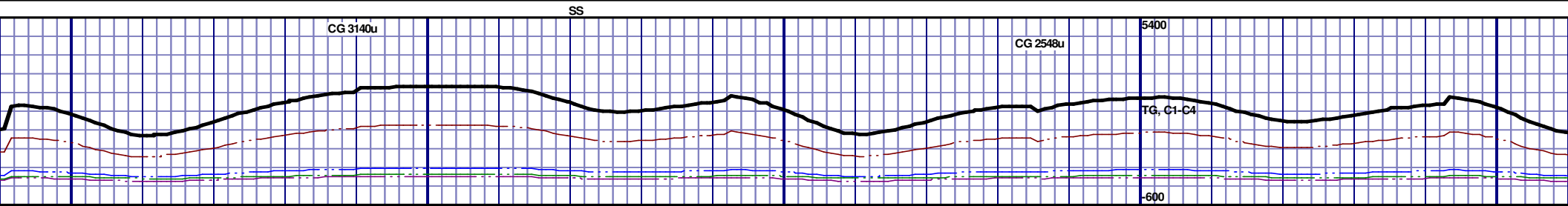
11550' MD-11600' MD: CHK: 80% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 20% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

11600' MD-11650' MD: CHK: 70% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

MD 11436 TVD 6712.85
INC 89.26 AZ 269.76
VS 5438.45

MD 11528 TVD 6714.07
INC 89.23 AZ 269.77
VS 5530.39

MD 11620 TVD 6714.59
INC 90.12 AZ 270.54
VS 5622.31



11650' MD-11700' MD: CHK: 70% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

11700' MD-11750' MD: CHK: 65% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 35% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

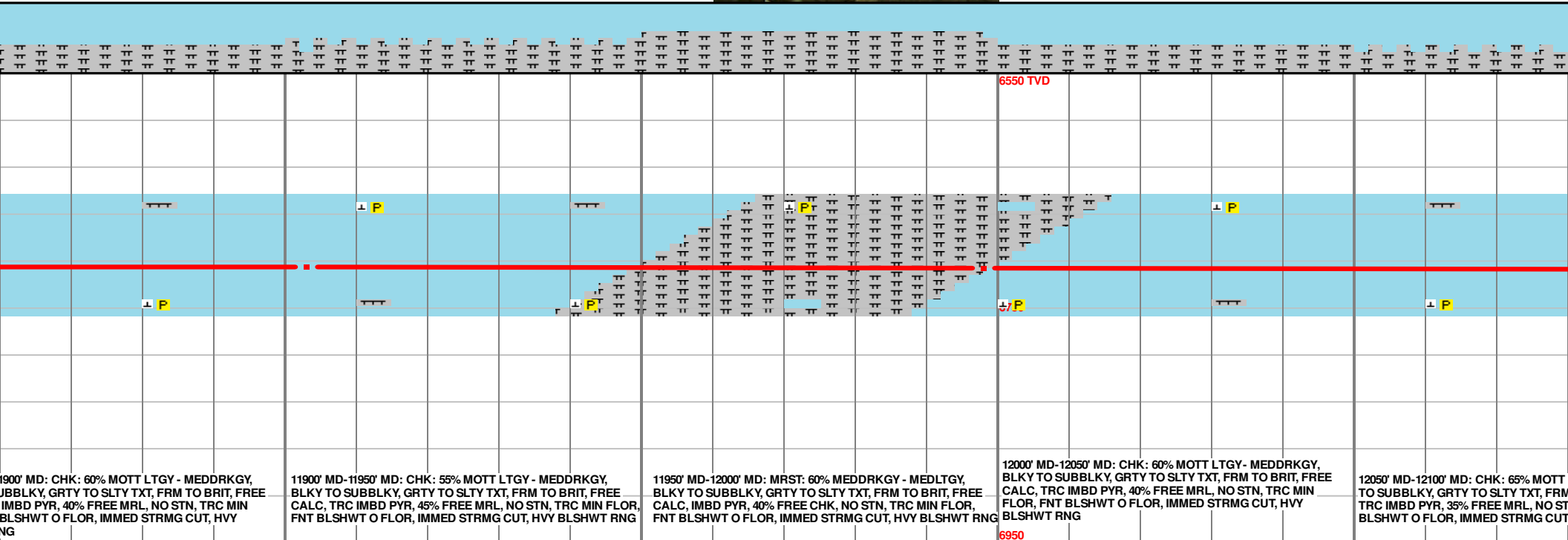
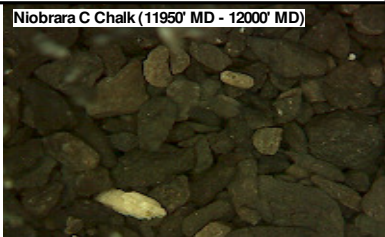
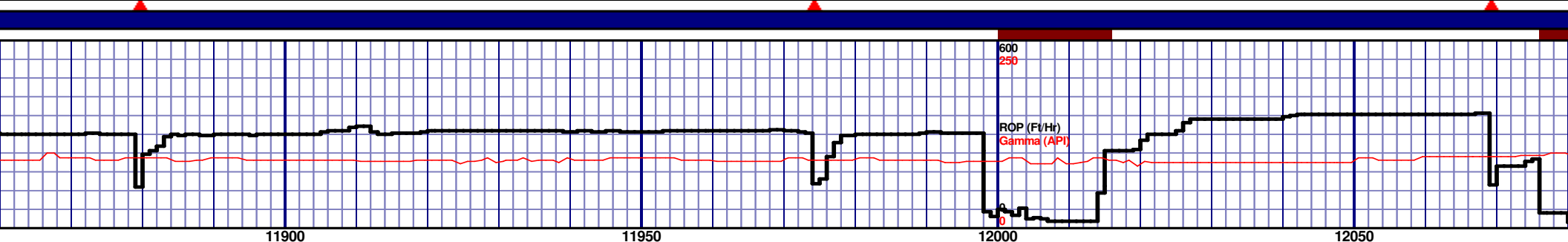
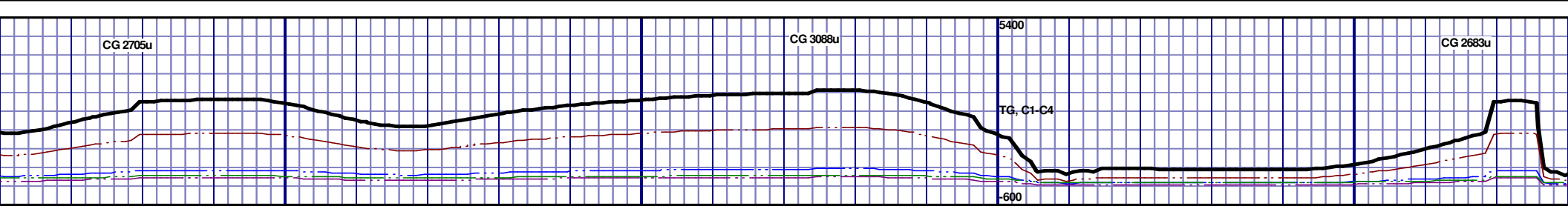
11750' MD-11800' MD: CHK: 70% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

11800' MD-11850' MD: CHK: 65% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 35% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

11850' MD-11900' MD: CHK: 70% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

MD 11714 TVD 6714.39
INC 90.12 AZ 270.2
VS 5716.22

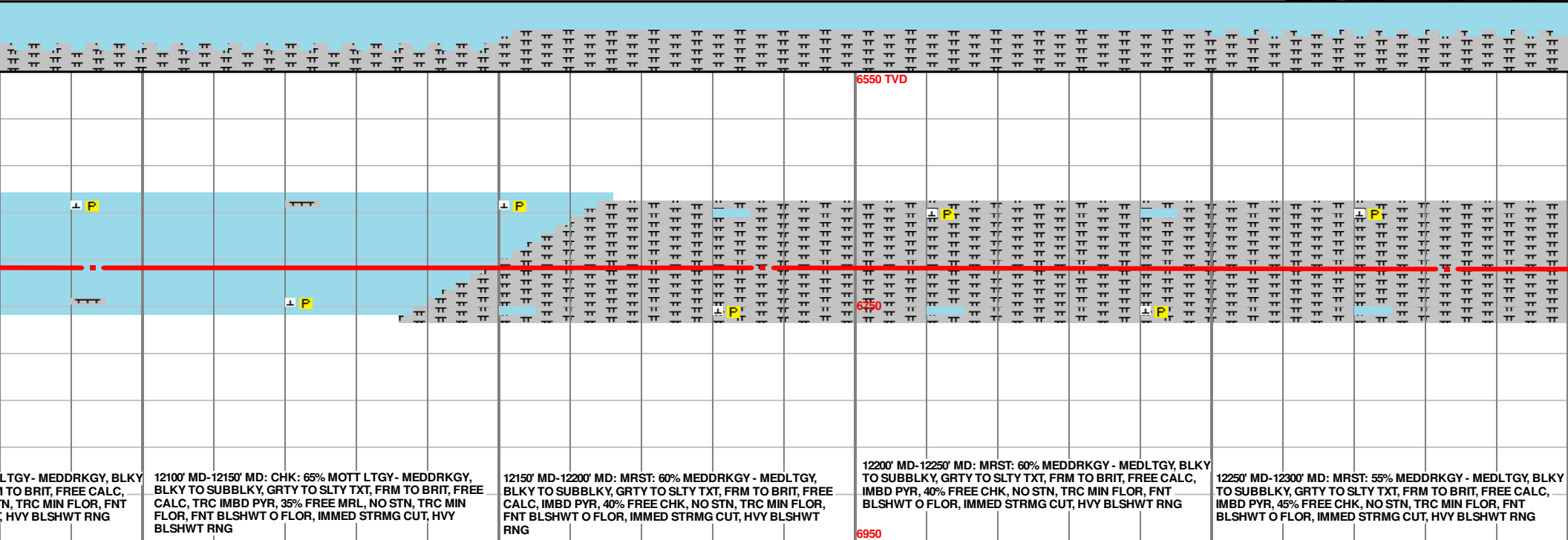
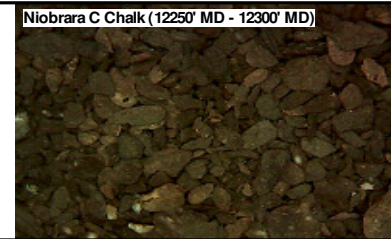
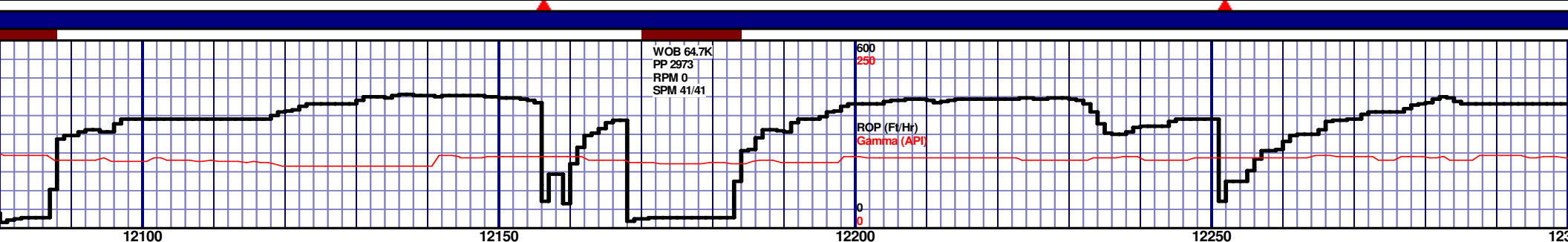
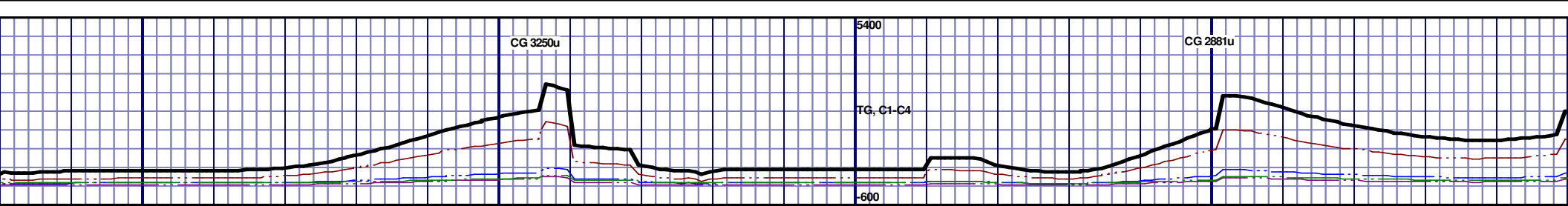
MD 11808 TVD 6714.55
INC 89.69 AZ 270.25
VS 5810.14

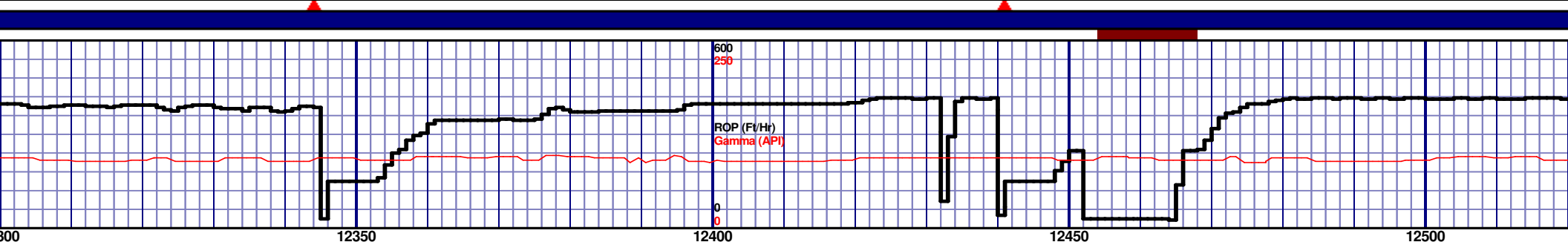
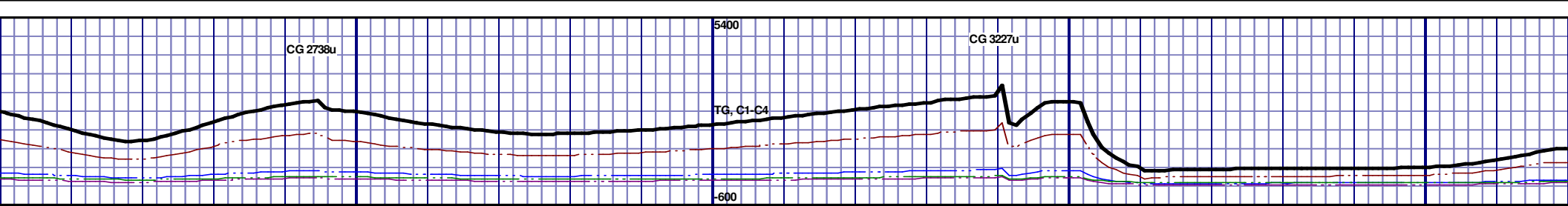


11900' MD: CHK: 60% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG	11900' MD-11950' MD: CHK: 55% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 45% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG	11950' MD-12000' MD: MRST: 60% MEDDRKGY - MEDLTGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, IMBD PYR, 40% FREE CHK, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG	12000' MD-12050' MD: CHK: 60% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG	12050' MD-12100' MD: CHK: 65% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 35% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG
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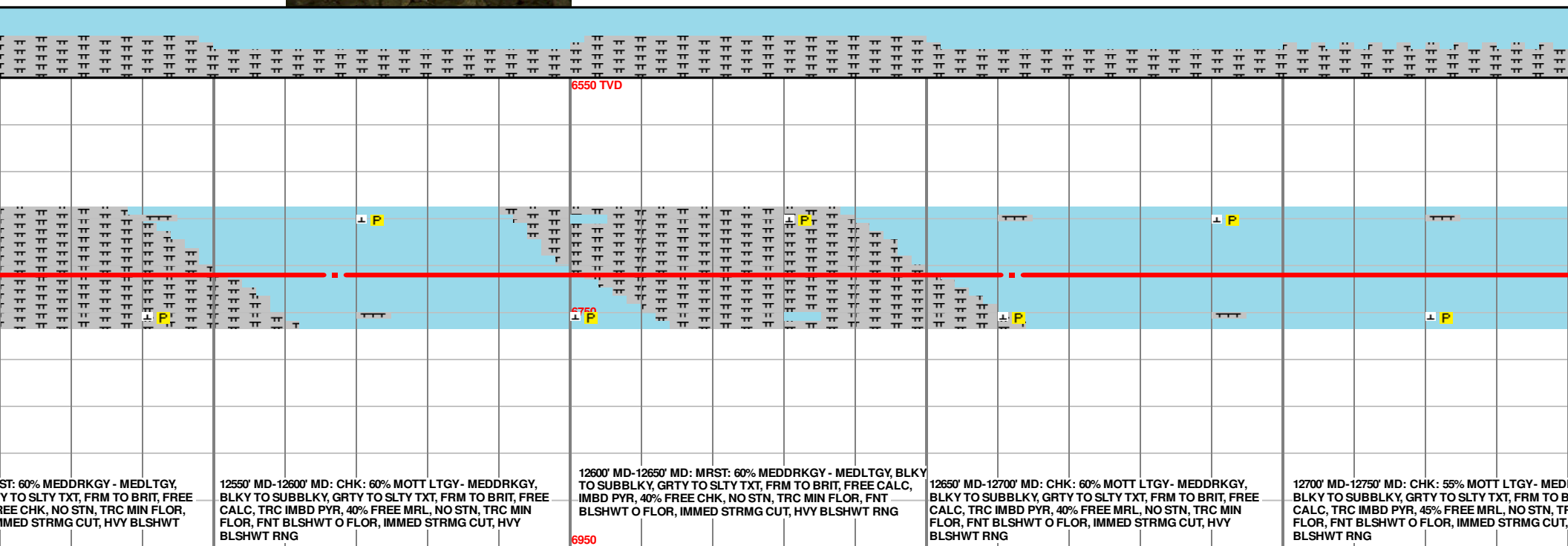
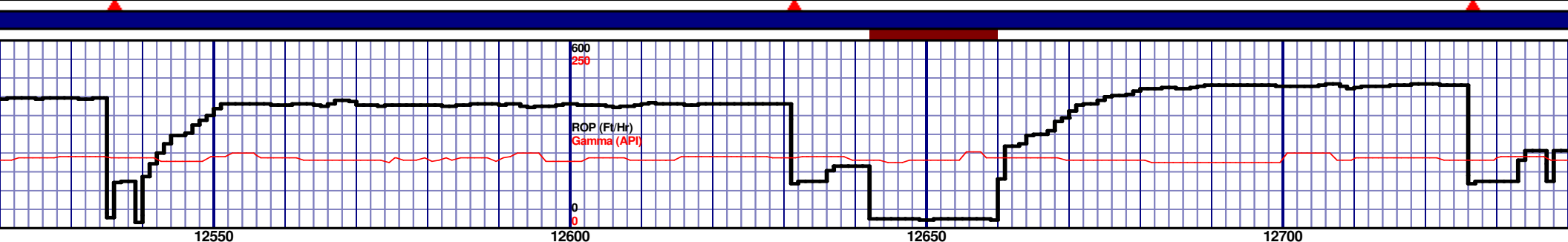
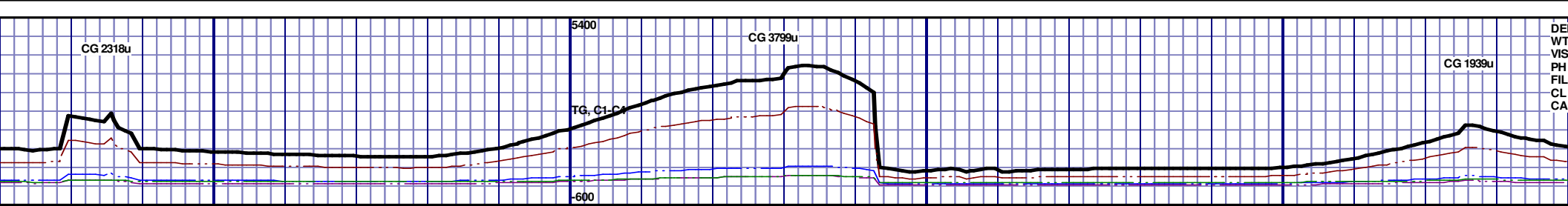
MD 11903 TVD 6715.11
INC 89.63 AZ 270.89
VS 5905.04

MD 11998 TVD 6716.13
INC 89.14 AZ 271.61
VS 5999.87





12300' MD-12350' MD: MRST: 60% MEDDRKGY - MEDLTGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, IMBD PYR, 40% FREE CHK, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
12350' MD-12400' MD: MRST: 60% MEDDRKGY - MEDLTGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, IMBD PYR, 40% FREE CHK, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
12400' MD-12450' MD: MRST: 60% MEDDRKGY - MEDLTGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, IMBD PYR, 40% FREE CHK, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
12450' MD-12500' MD: MRST: 65% MEDDRKGY - MEDLTGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, IMBD PYR, 35% FREE CHK, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									
12500' MD-12550' MD: MRST: 65% MEDDRKGY - MEDLTGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, IMBD PYR, 40% FREE CHK, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG									



ST: 60% MEDDRKGY - MEDLTGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

12550' MD-12600' MD: CHK: 60% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

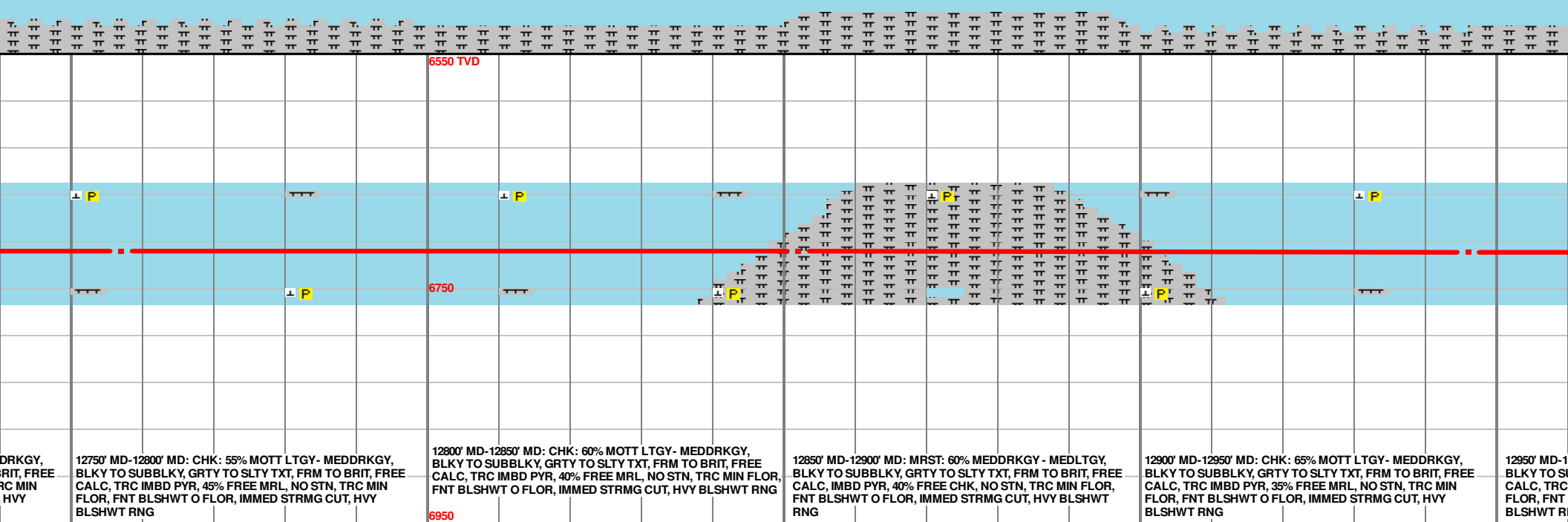
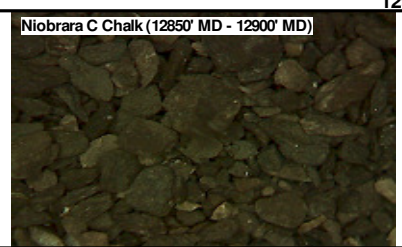
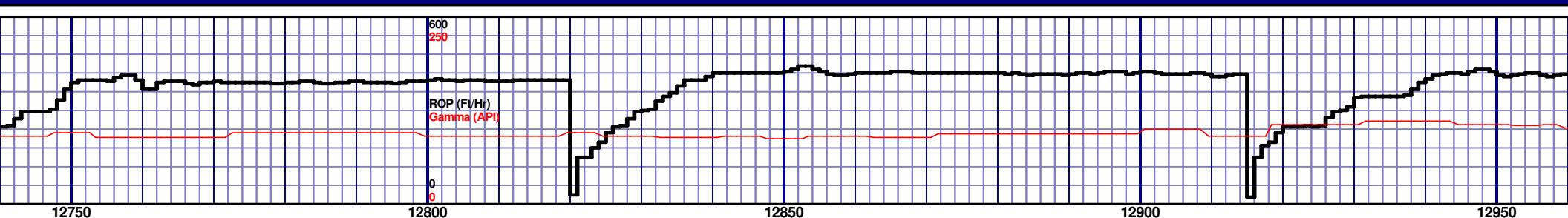
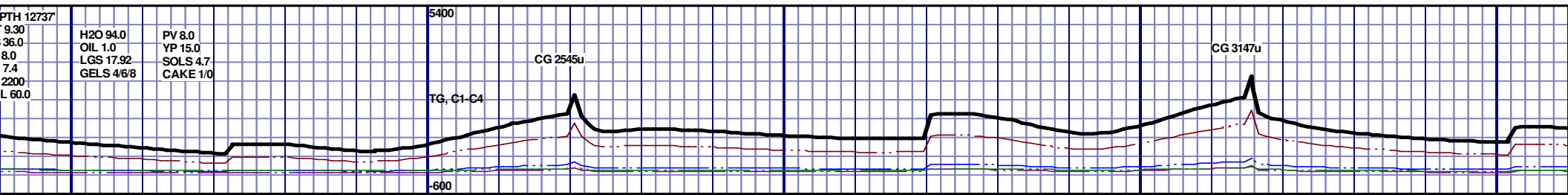
12600' MD-12650' MD: MRST: 60% MEDDRKGY - MEDLTGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, IMBD PYR, 40% FREE CHK, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

12650' MD-12700' MD: CHK: 60% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

12700' MD-12750' MD: CHK: 55% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 45% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

MD 12567 TVD 6718.46
INC 90.09 AZ 269.31
VS 6568.61

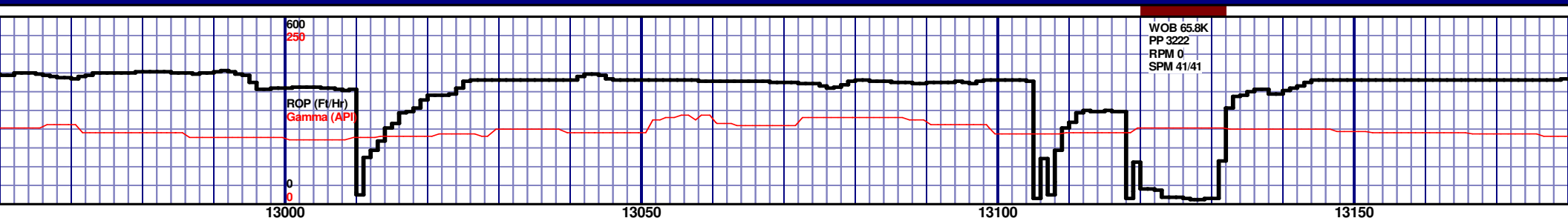
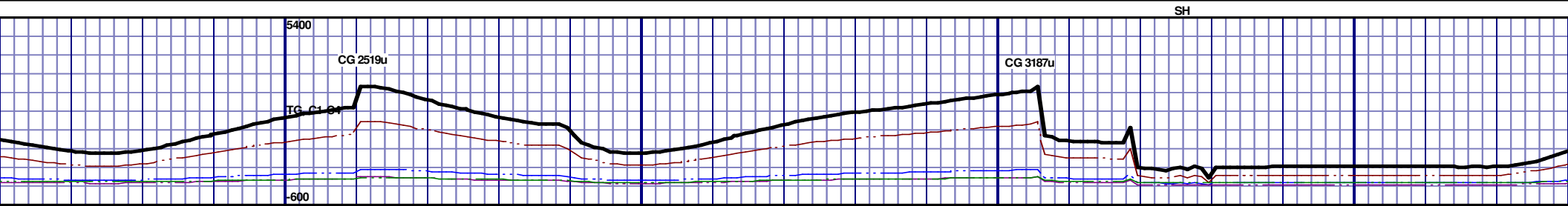
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INC 90.18 AZ 267.72
VS 6663.6



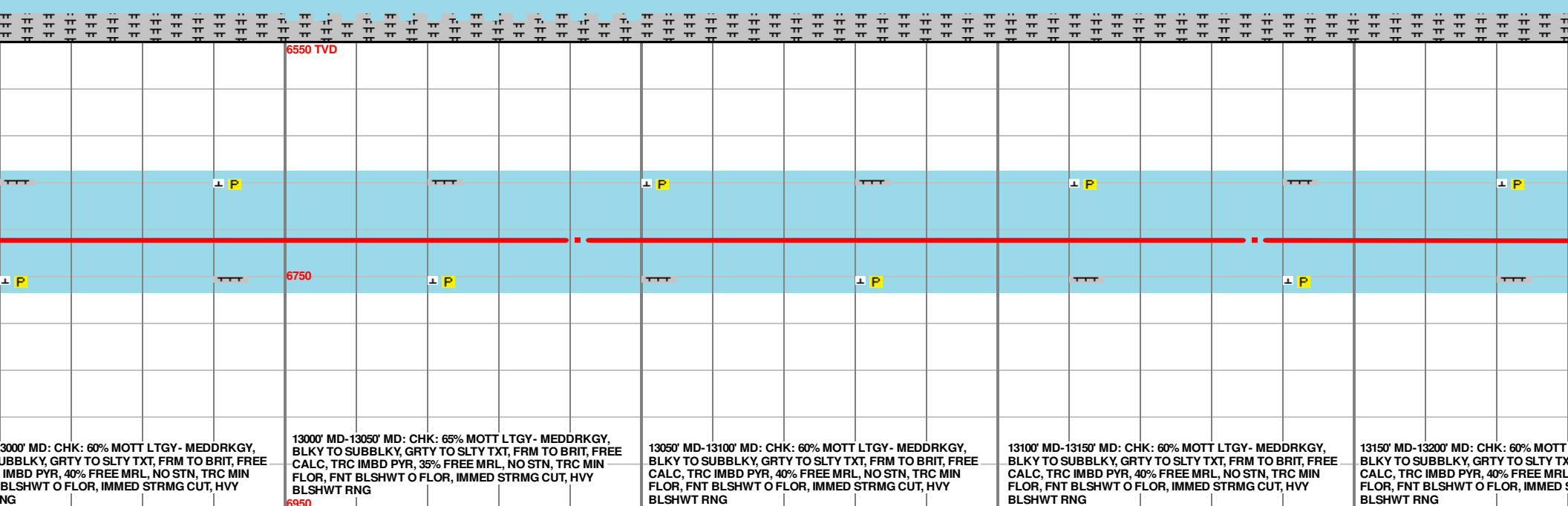
MD 12757 TVD 6718.08
INC 90 AZ 267.71
VS 6758.6

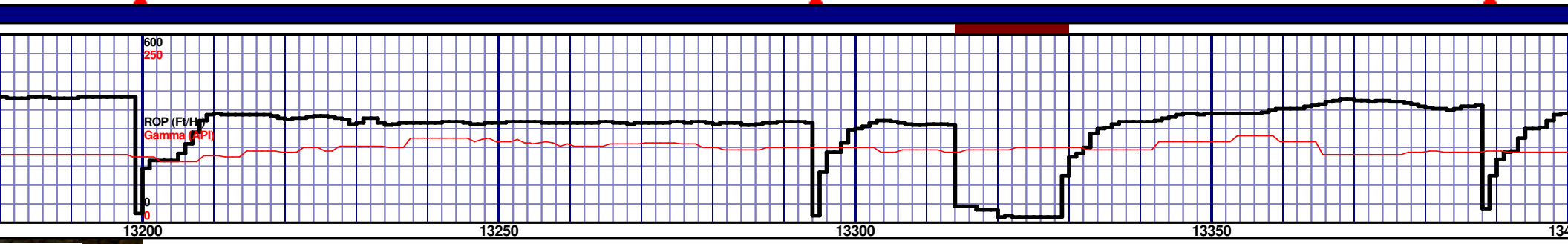
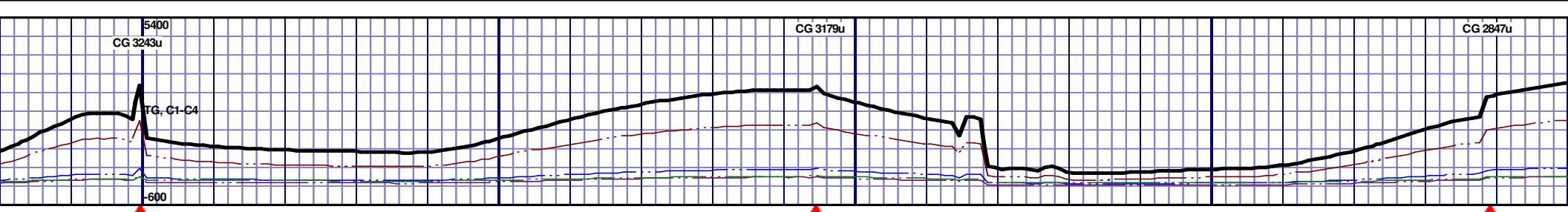
MD 12852 TVD 6718.32
INC 89.72 AZ 268.15
VS 6853.6

MD 12946 TVD 6718.32
INC 89.51 AZ 267.9
VS 6947.6



Niobrara C Chalk (13150' M)

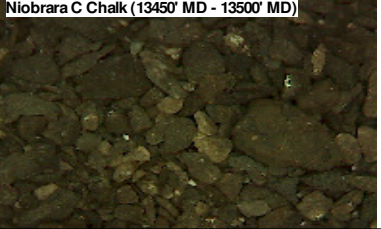
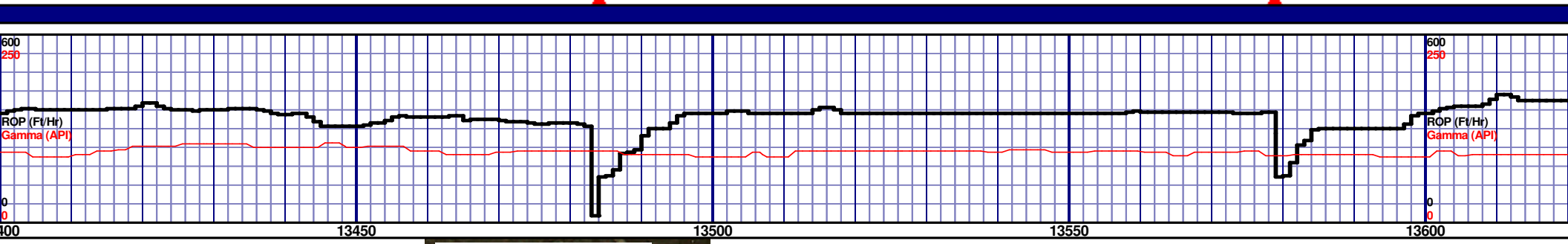
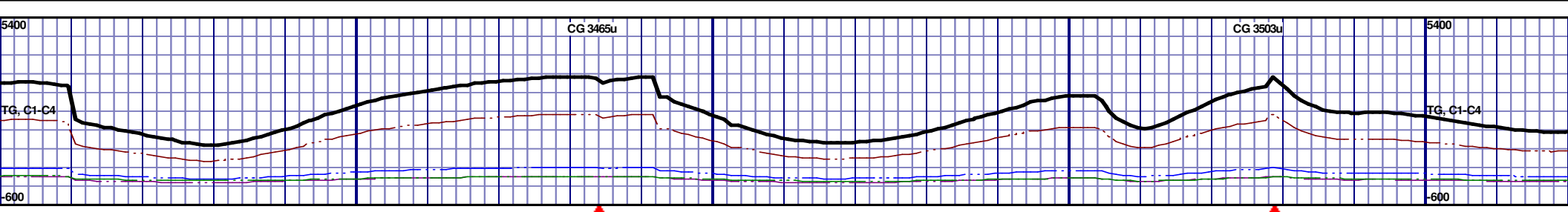




<p>6550 TVD</p>			
<p>13200' MD-13250' MD: CHK: 65% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 35% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>			
<p>13250' MD-13300' MD: CHK: 65% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 35% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>			
<p>13300' MD-13350' MD: CHK: 60% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>			
<p>13350' MD-13400' MD: CHK: 60% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>			

MD 13231 TVD 6720.27
INC 89.57 AZ 269.03
VS 7232.56

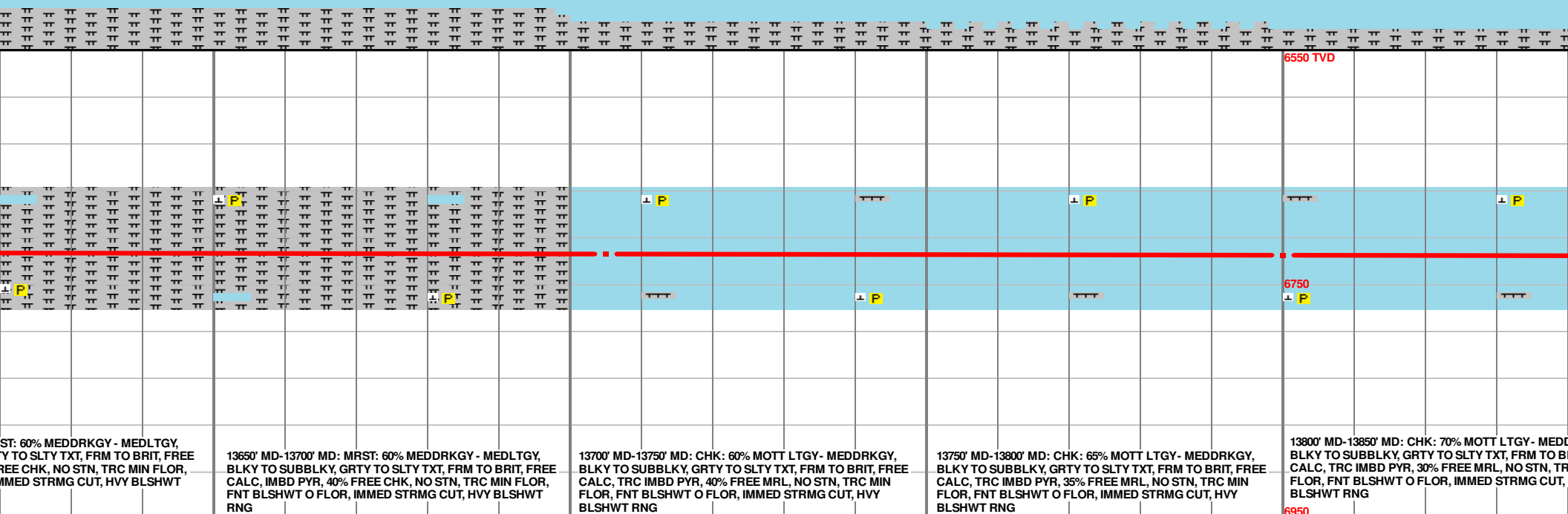
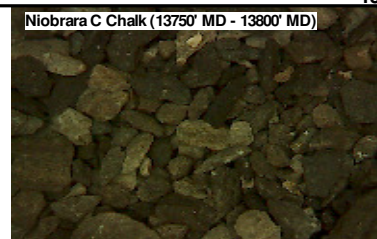
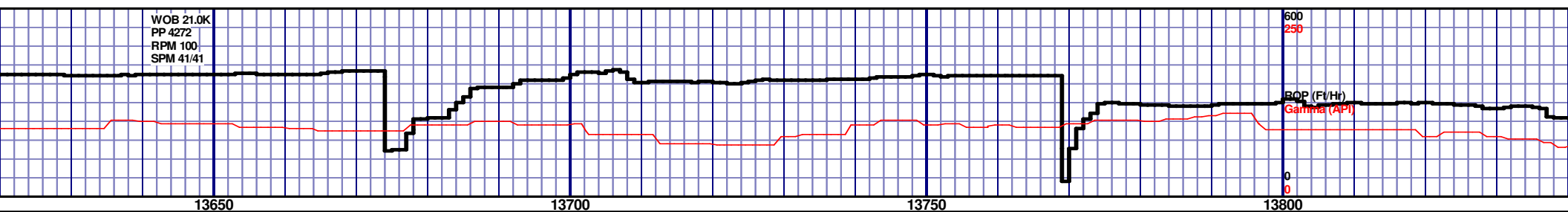
MD 13326 TVD 6721.12
INC 89.41 AZ 268.14
VS 7327.55



6550 TVD					6550 TVD				
13400' MD-13450' MD: CHK: 70% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					13450' MD-13500' MD: MRST: 60% MEDDRKGY - MEDLTGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, IMBD PYR, 40% FREE CHK, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG				
6950					6950				

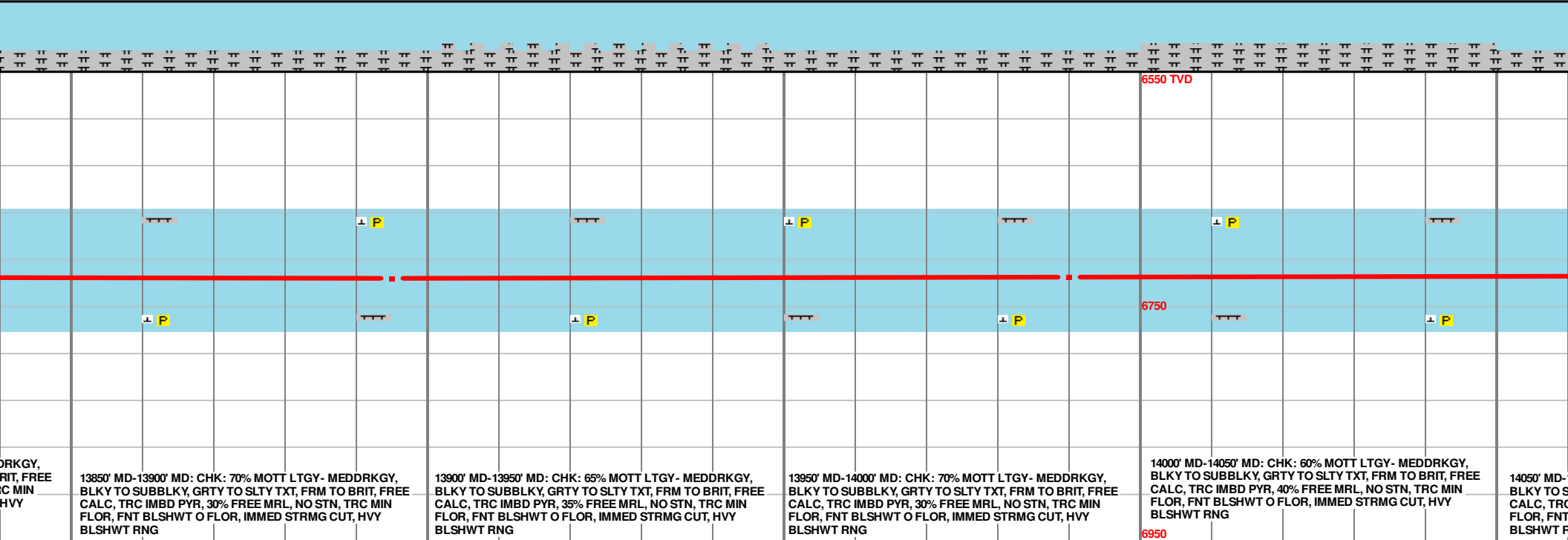
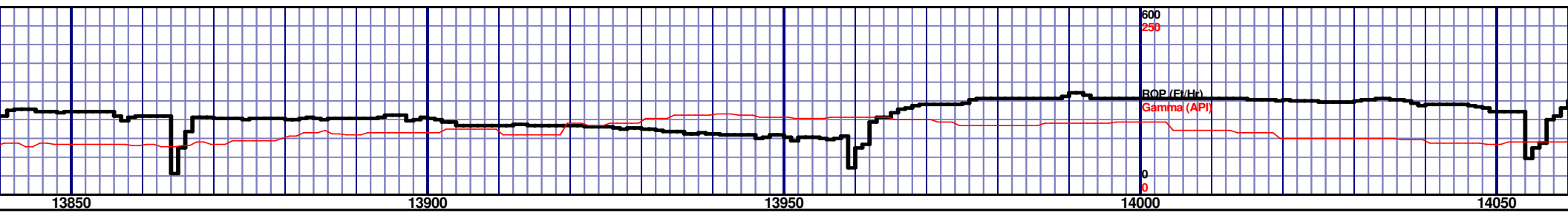
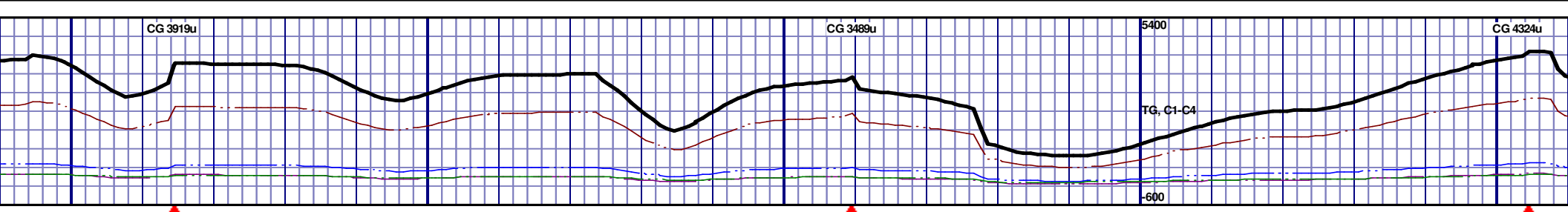
MD 13421 TVD 6721.66
INC 89.94 AZ 268.03
VS 7422.54

MD 13515 TVD 6721.78
INC 89.91 AZ 267.79
VS 7516.54



MD 13705 TVD 6723.52
INC 89.04 AZ 267.49
VS 7706.53

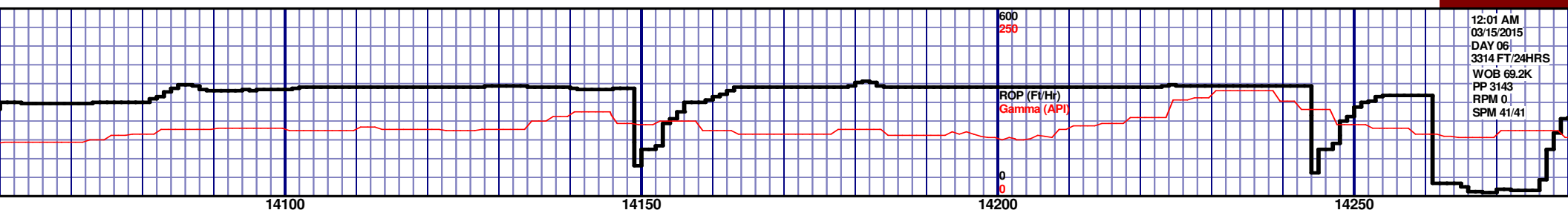
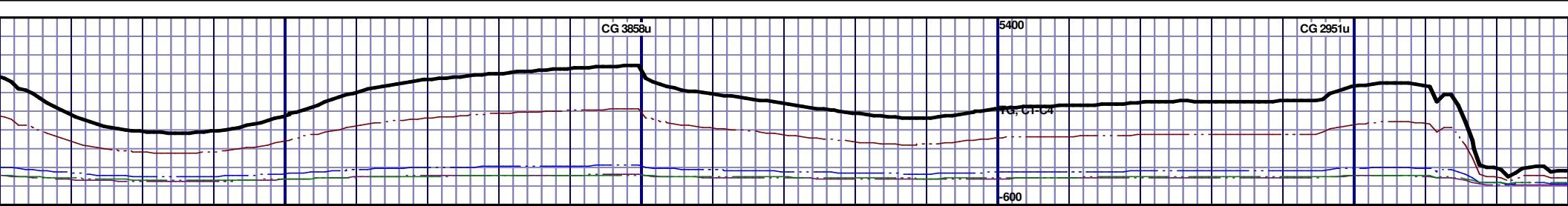
MD 13800 TVD 6725.36
INC 88.74 AZ 267.24
VS 7801.51



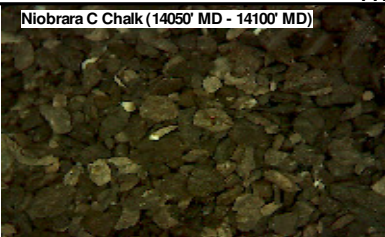
ORKGY, RIT, FREE C MIN HVY	13850' MD-13900' MD: CHK: 70% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG	13900' MD-13950' MD: CHK: 65% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 35% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG	13950' MD-14000' MD: CHK: 70% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG	14000' MD-14050' MD: CHK: 60% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG	14050' MD- BLKY TO S CALC, TRC FLOR, FNT BLSHWT R
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MD 13895 TVD 6726.05
INC 90.43 AZ 268.31
VS 7896.5

MD 13990 TVD 6725.13
INC 90.68 AZ 268.21
VS 7991.5



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03/15/2015
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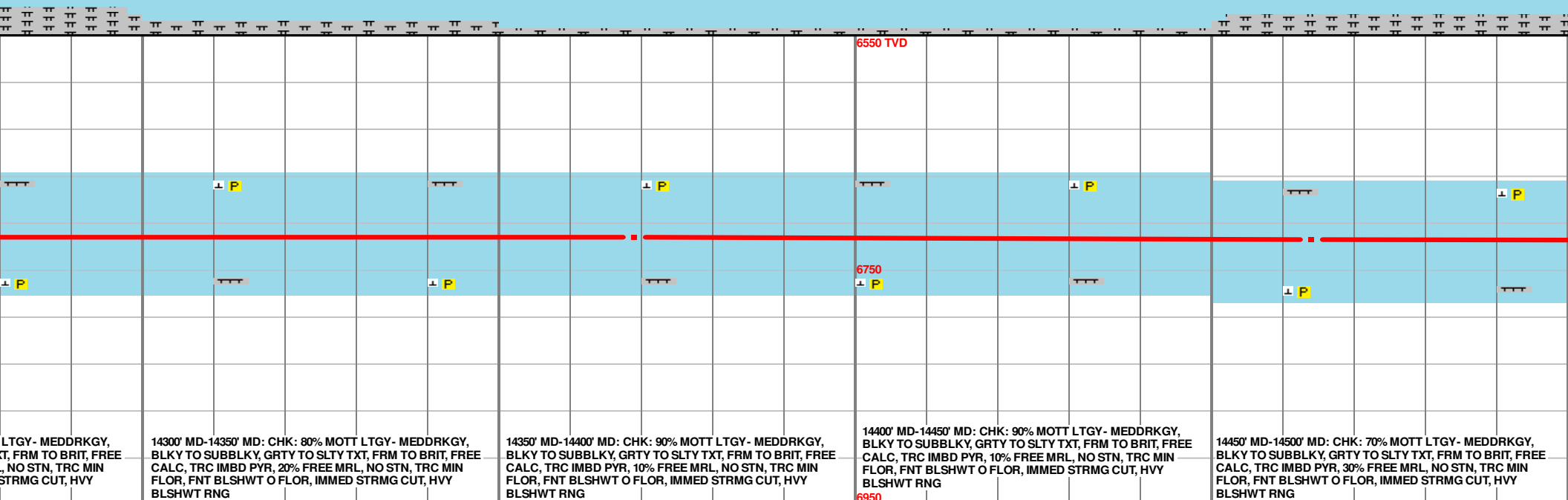
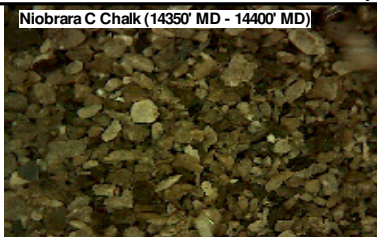
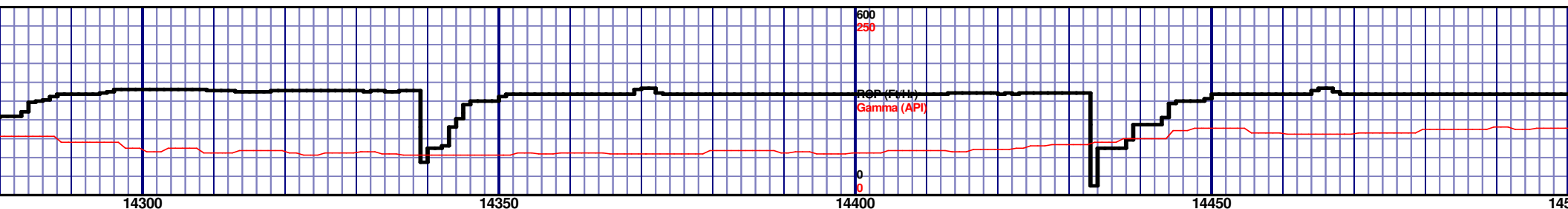
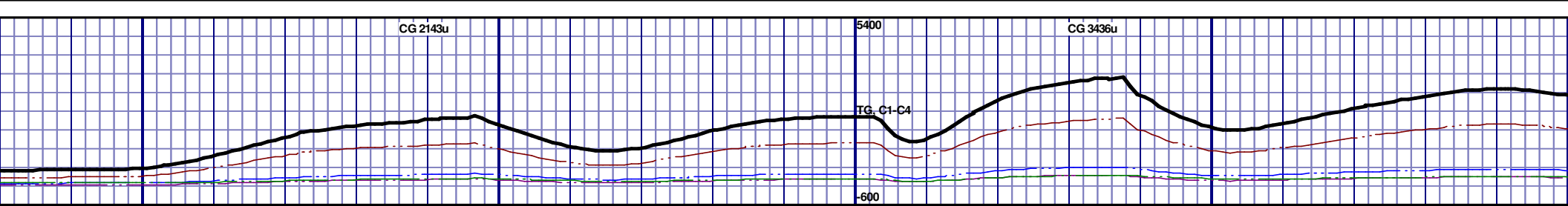


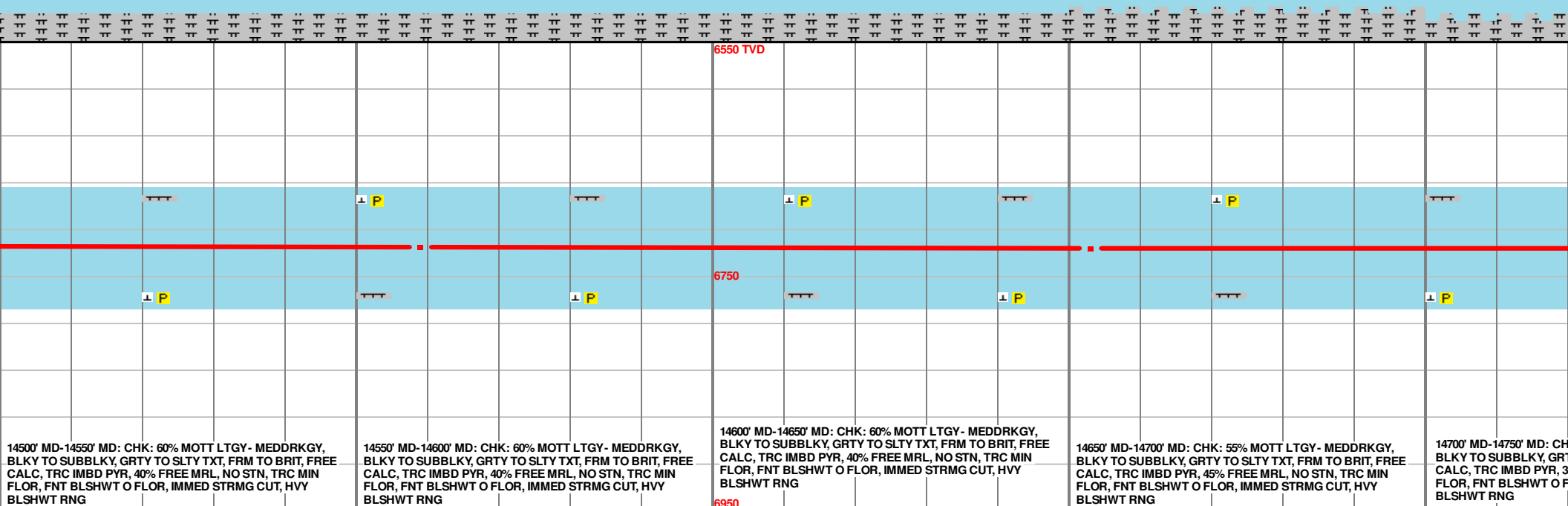
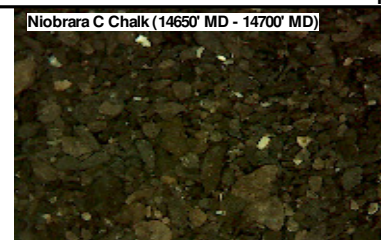
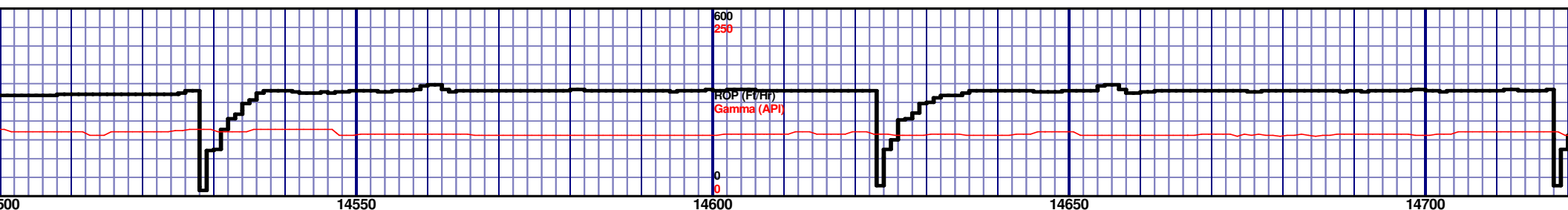
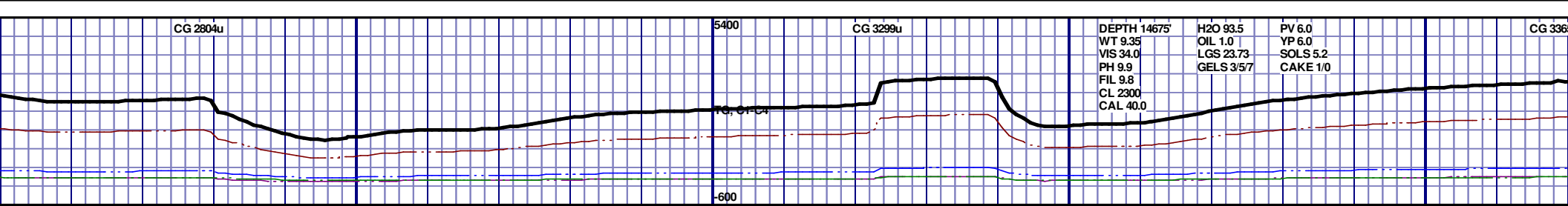
14100' MD: CHK: 70% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					14100' MD-14150' MD: CHK: 60% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					14150' MD-14200' MD: CHK: 60% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					14200' MD-14250' MD: CHK: 65% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 35% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					14250' MD-14300' MD: CHK: 60% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG				
14100' MD: CHK: 70% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					14100' MD-14150' MD: CHK: 60% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					14150' MD-14200' MD: CHK: 60% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					14200' MD-14250' MD: CHK: 65% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 35% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG					14250' MD-14300' MD: CHK: 60% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 40% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG				

MD 14085 TVD 6724.33
INC 90.28 AZ 268.33
VS 8066.49

MD 14179 TVD 6722.92
INC 91.45 AZ 268.8
VS 8180.47

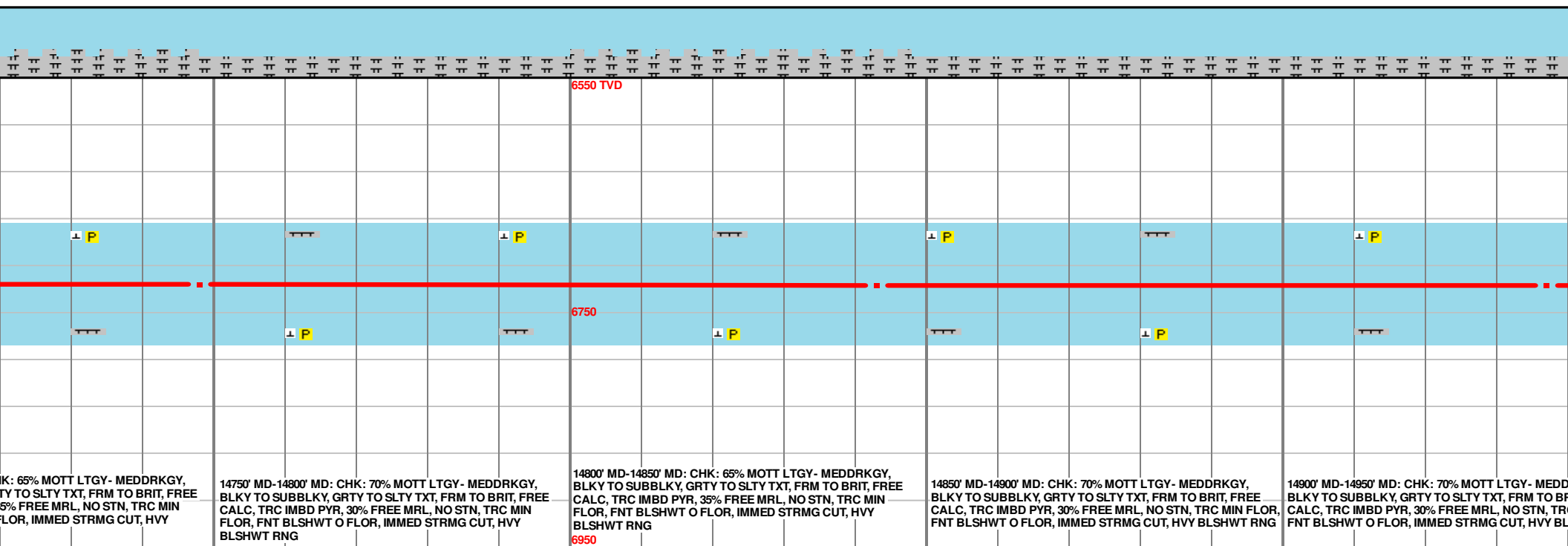
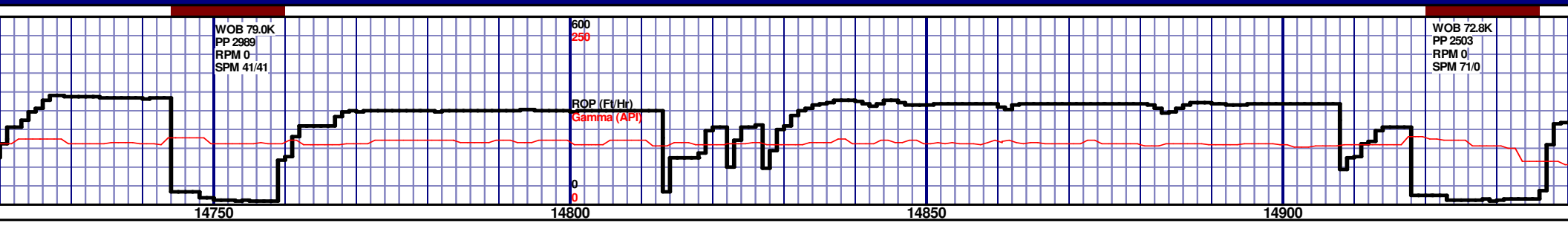
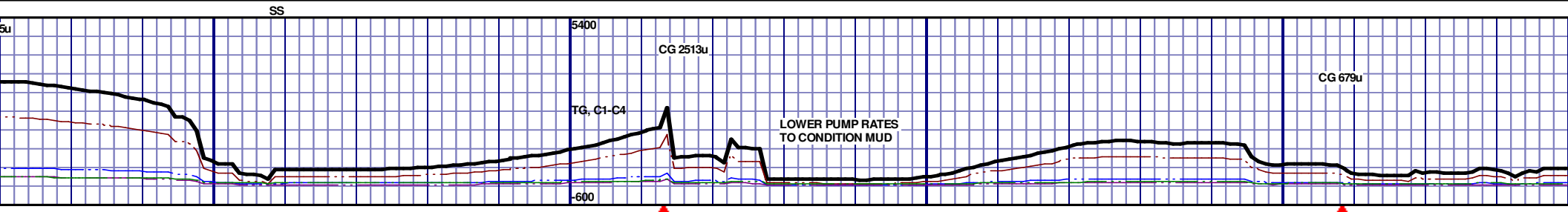
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INC 91.45 AZ 268.8
VS 8180.47





MD 14559 TVD 6725.32
INC 89.35 AZ 267.92
VS 8560.41

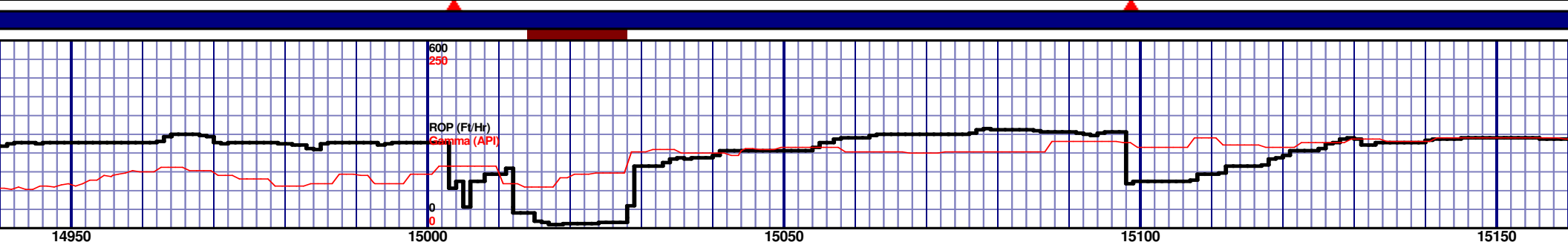
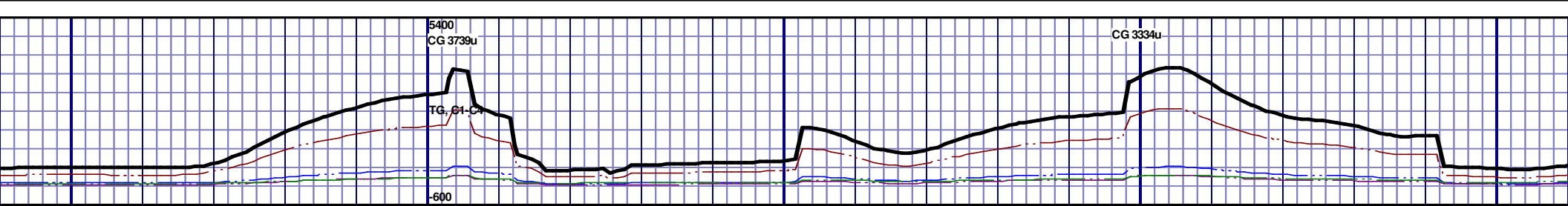
MD 14653 TVD 6726.13
INC 89.66 AZ 266.27
VS 8654.4



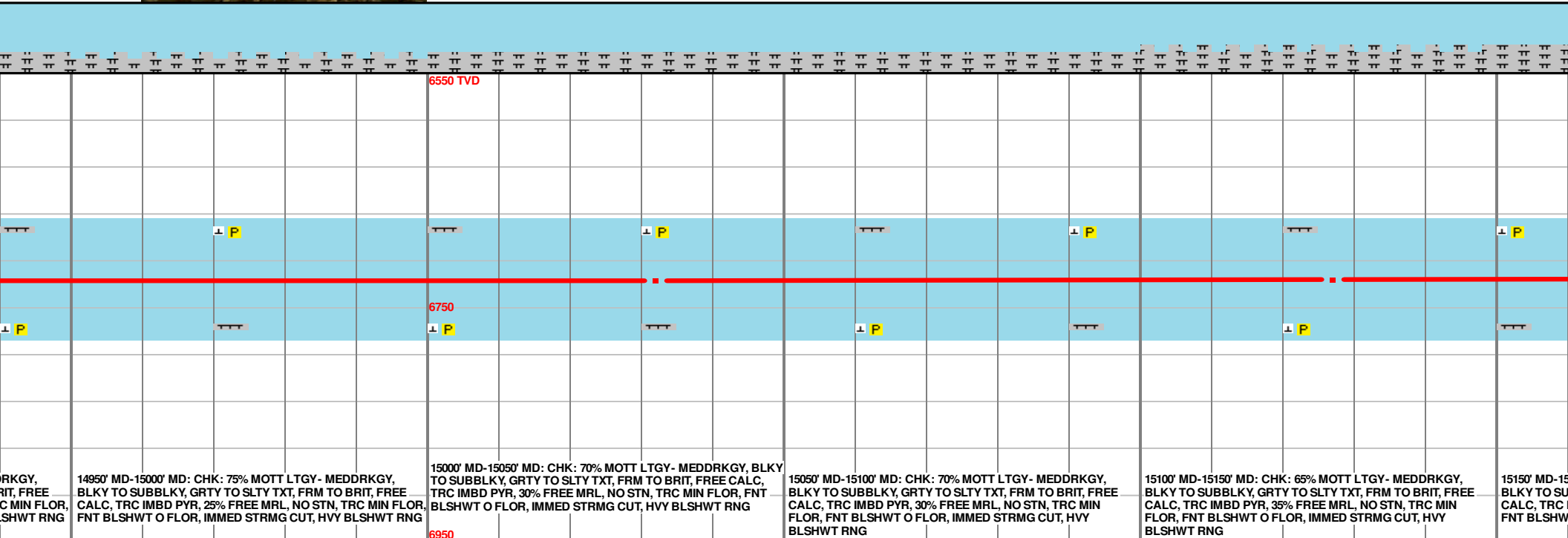
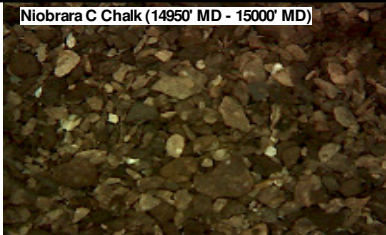
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INC 89.91 AZ 266.82
VS 8749.37

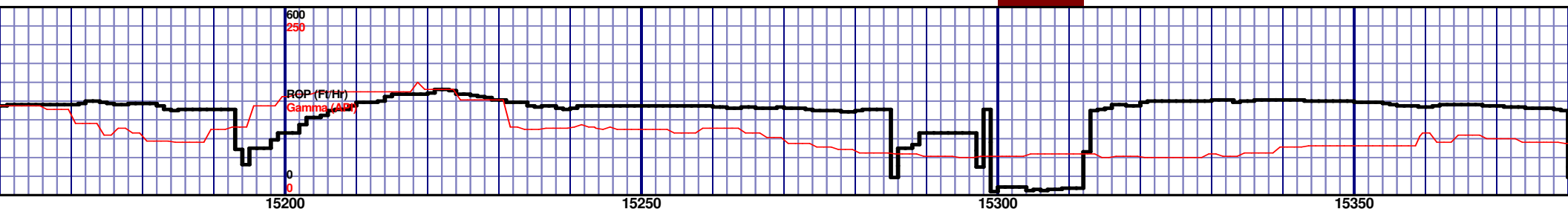
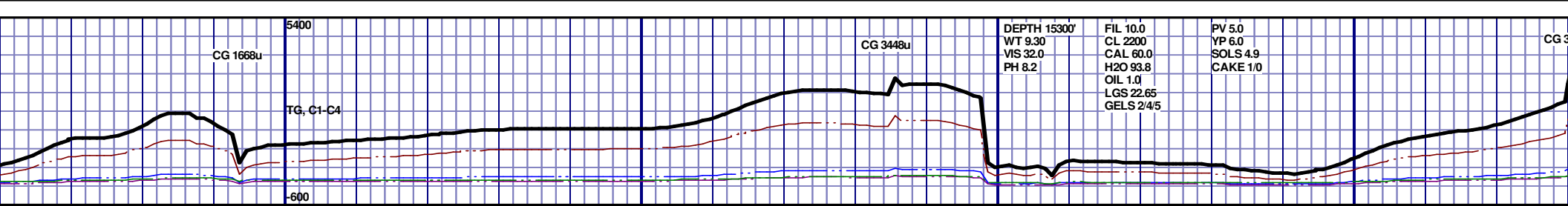
MD 14843 TVD 6726.82
INC 89.69 AZ 265.61
VS 8844.33

MD
INC
VS

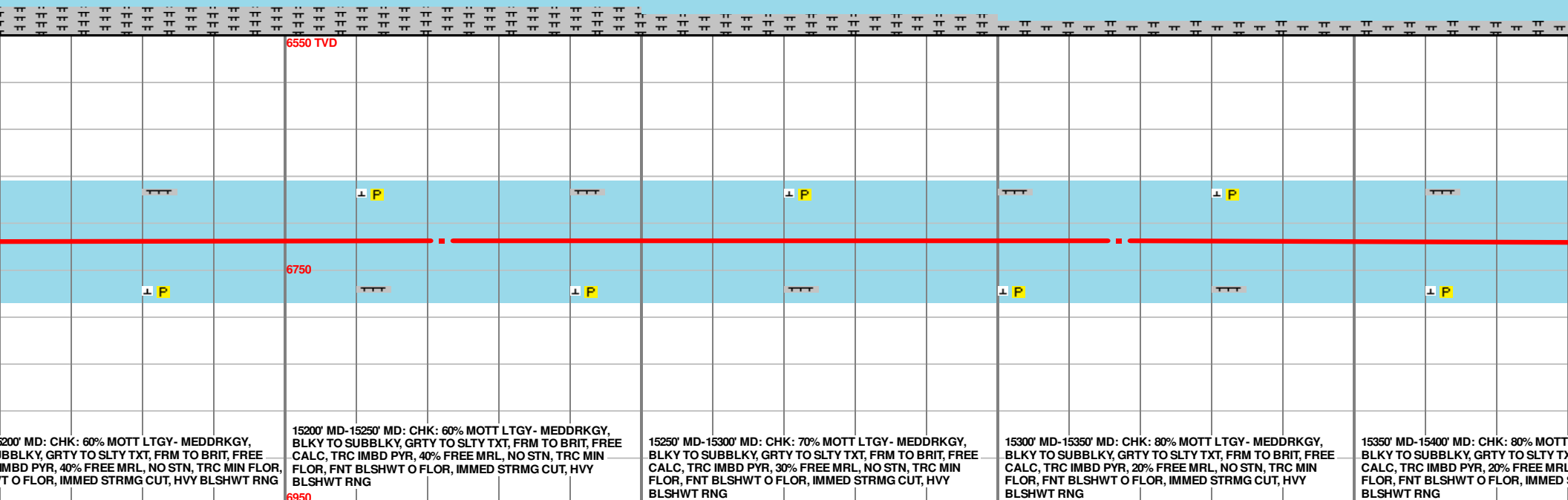
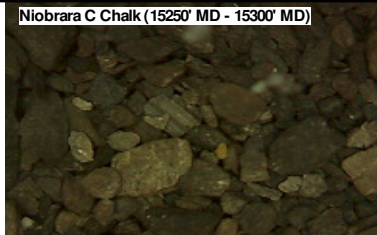


Niobrara C Chalk (14950' MD - 15000' MD)



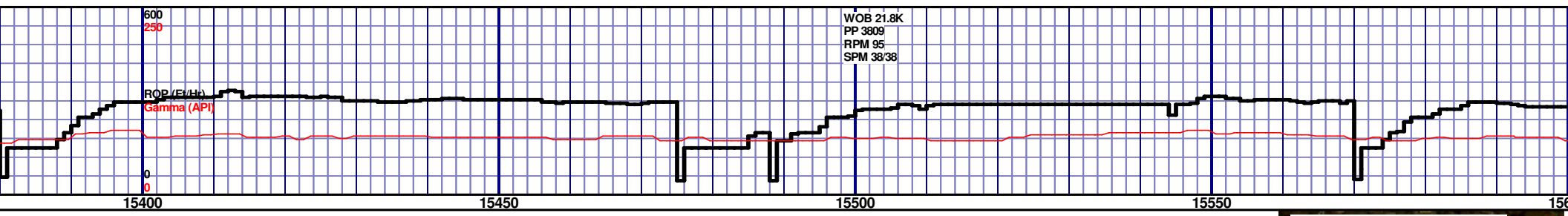
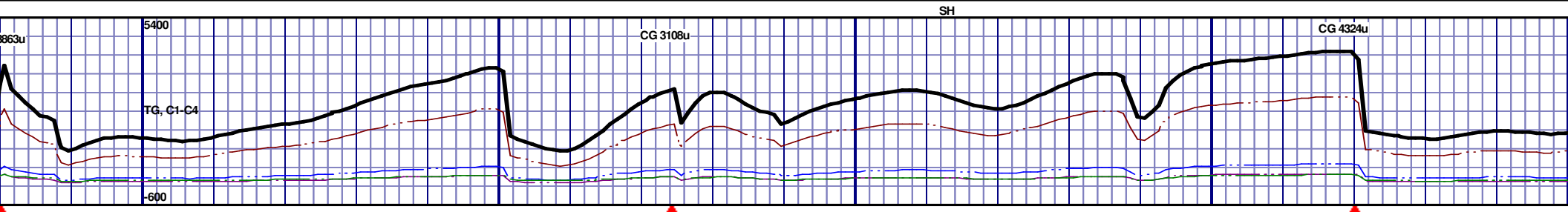


Niobrara C Chalk (15250' MD - 15300' MD)

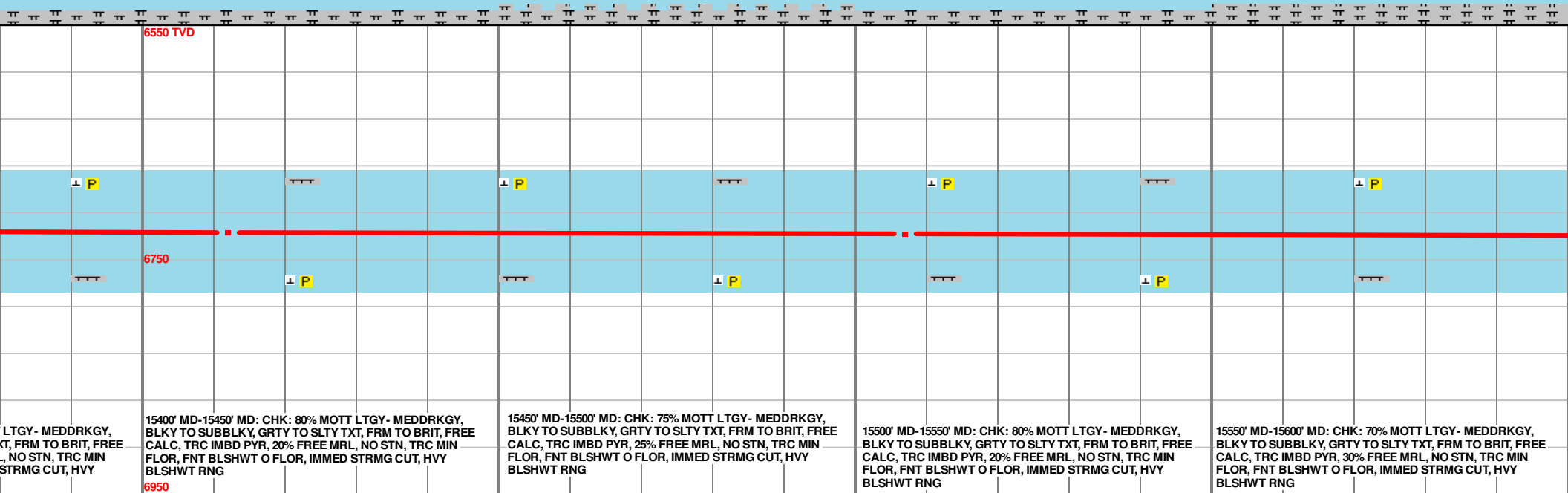


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INC 90.71 AZ 269.53
VS 9223.22

MD 15317 TVD 6724.93
INC 89.01 AZ 269.17
VS 9318.18

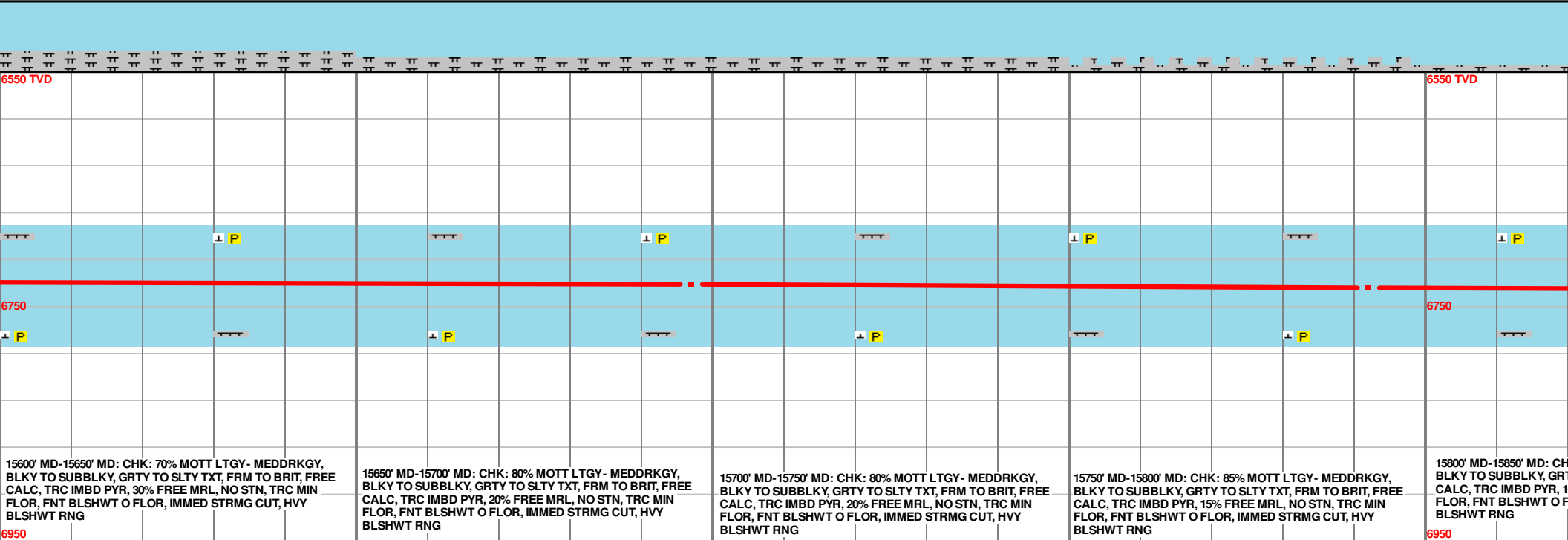
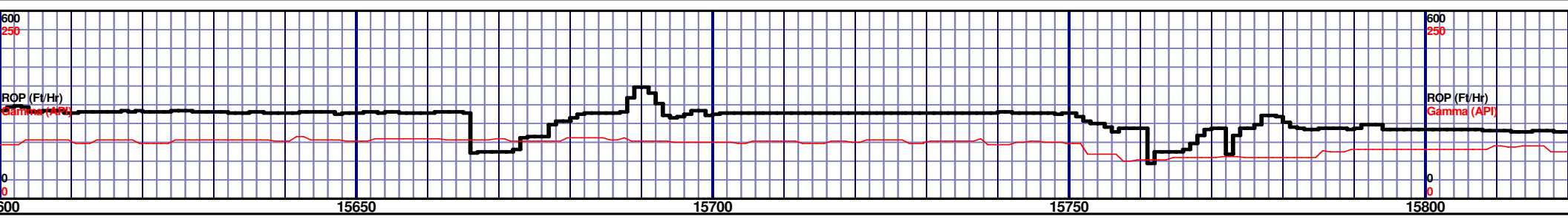
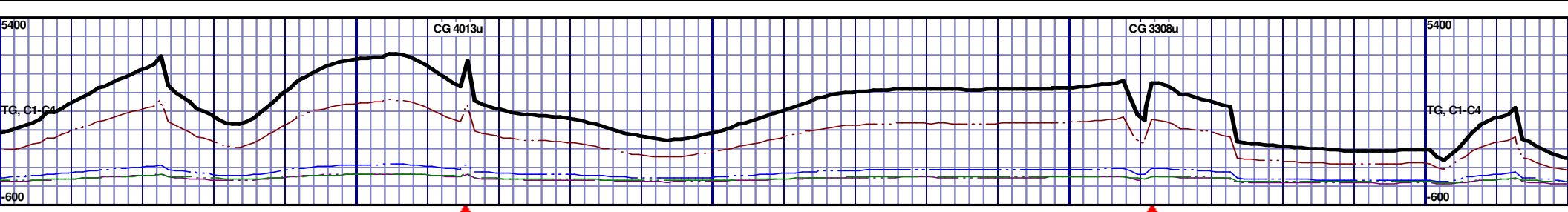


Niobrara C Chalk (15550' MD - 15600' MD)



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INC 88.33 AZ 268.6
VS 9413.14

MD 15507 TVD 6728.31
INC 90.25 AZ 269.79
VS 9508.1



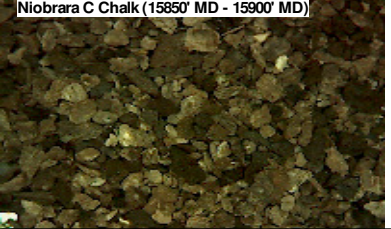
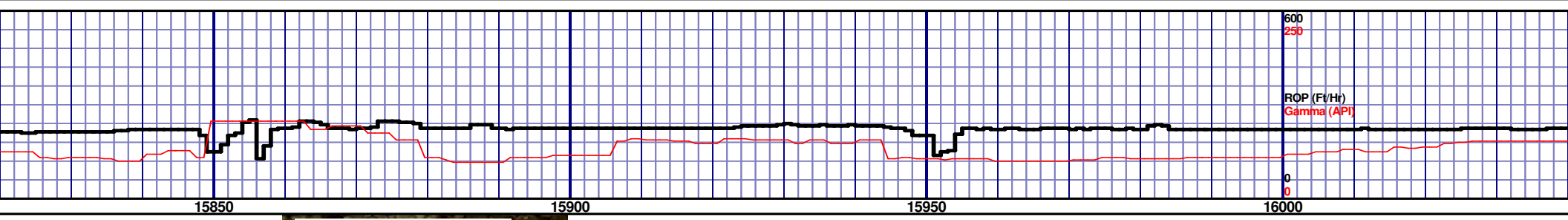
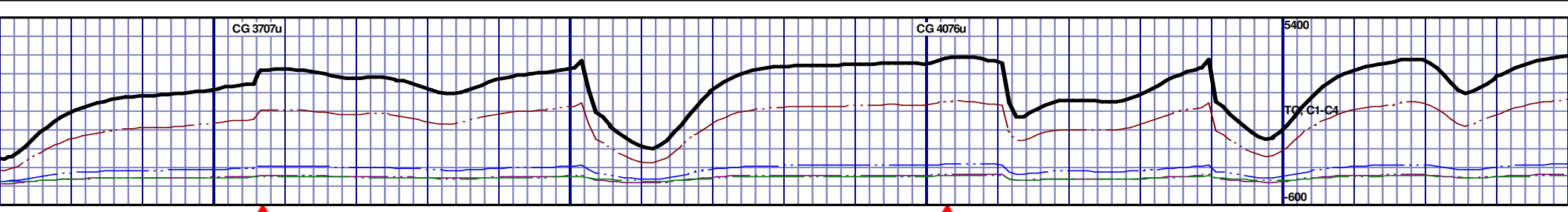
15600' MD-15650' MD: CHK: 70% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

15650' MD-15700' MD: CHK: 80% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 20% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

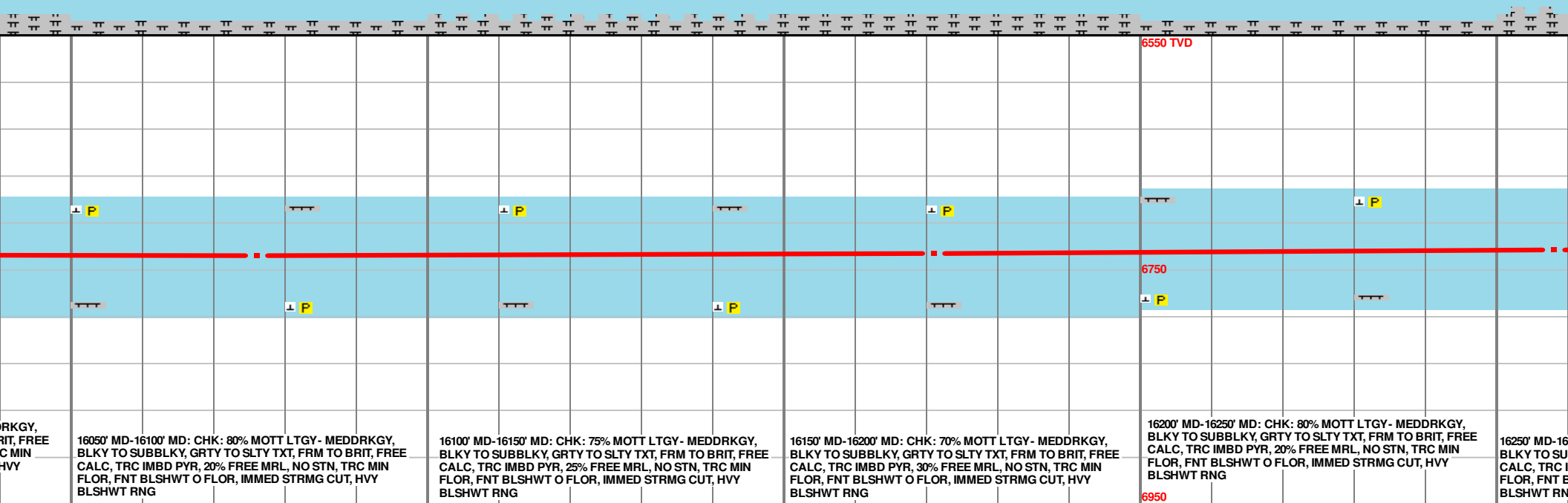
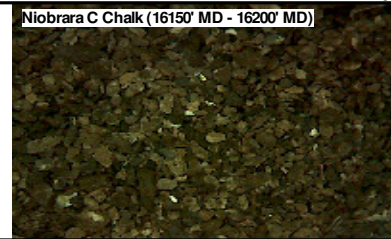
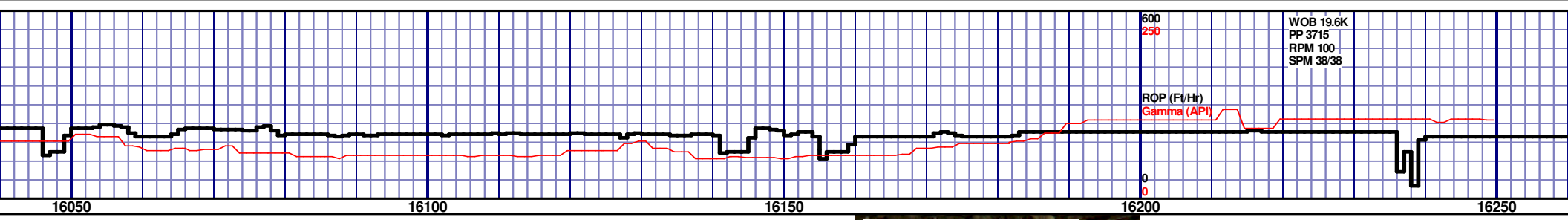
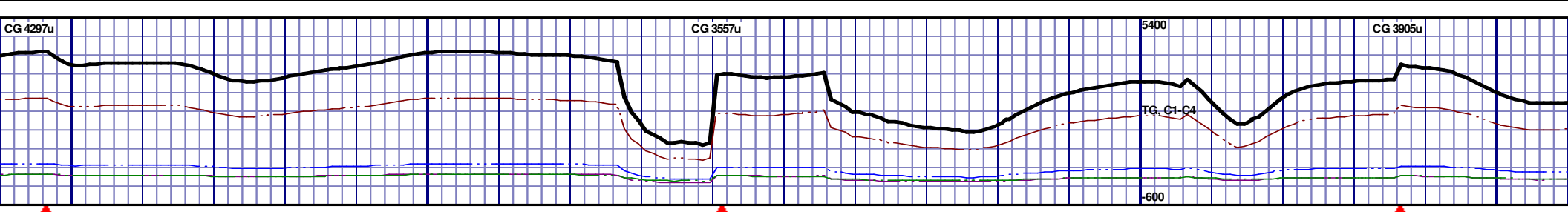
15700' MD-15750' MD: CHK: 80% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 20% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

15750' MD-15800' MD: CHK: 85% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 15% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

15800' MD-15850' MD: CHK: 85% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 15% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG



<p>CHK: 90% MOTT LTGY - MEDDRKGY, BLKY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 20% FREE MRL, NO STN, TRC MIN FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>	<p>15850' MD-15900' MD: CHK: 80% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 20% FREE MRL, NO STN, TRC MIN FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>	<p>15900' MD-15950' MD: CHK: 70% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>	<p>15950' MD-16000' MD: CHK: 70% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>	<p>16000' MD-16050' MD: CHK: 70% MOTT LTGY - MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG</p>
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16050' MD-16100' MD: CHK: 80% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 20% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

16100' MD-16150' MD: CHK: 75% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 25% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

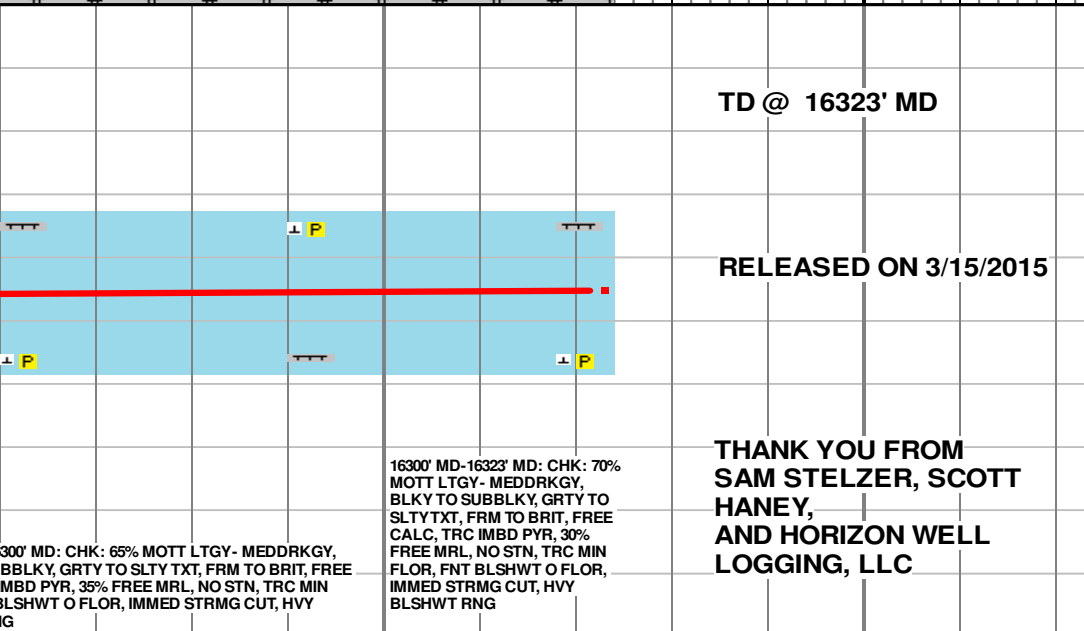
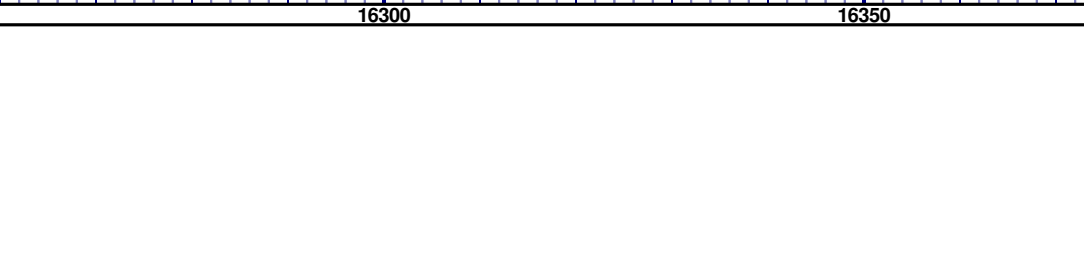
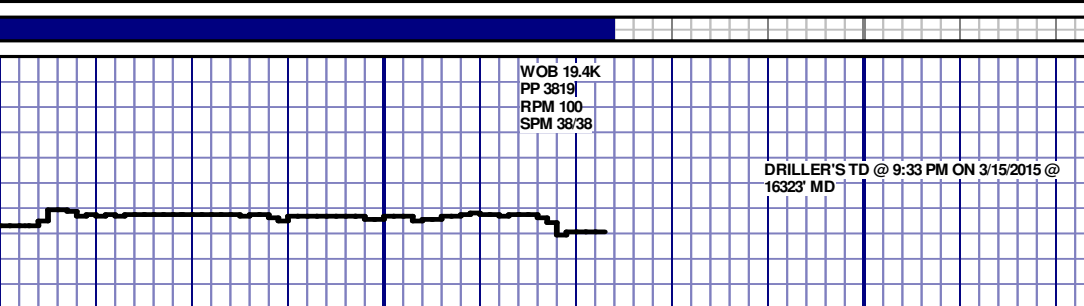
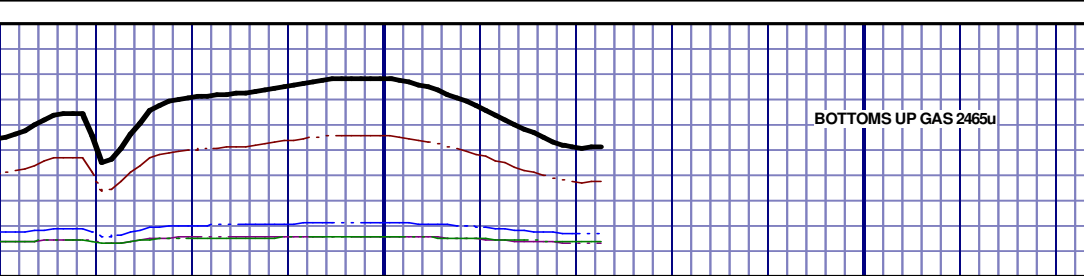
16150' MD-16200' MD: CHK: 70% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 30% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

16200' MD-16250' MD: CHK: 80% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 20% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

16250' MD-16300' MD: CHK: 80% MOTT LTGY- MEDDRKGY, BLKY TO SUBBLKY, GRTY TO SLTY TXT, FRM TO BRIT, FREE CALC, TRC IMBD PYR, 20% FREE MRL, NO STN, TRC MIN FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, HVY BLSHWT RNG

MD 16076 TVD 6737.95
INC 90.12 AZ 269.13
VS 10076.87

MD 16171 TVD 6736.42
INC 91.73 AZ 269.37
VS 10171.82



TD @ 16323' MD

RELEASED ON 3/15/2015

THANK YOU FROM
SAM STELZER, SCOTT
HANAY,
AND HORIZON WELL
LOGGING, LLC

16300' MD-16323' MD: CHK: 70%
MOTT LTGY- MEDDRKGY,
BLKY TO SUBBLKY, GRTY TO
SLTYTXT, FRM TO BRIT, FREE
CALC, TRC IMBD PYR, 30%
FREE MRL, NO STN, TRC MIN
FLOR, FNT BLSHWT O FLOR,
IMMED STRMG CUT, HVY
BLSHWT RNG

16300' MD: CHK: 65% MOTT LTGY- MEDDRKGY,
BLKY TO SUBBLKY, GRTY TO
SLTYTXT, FRM TO BRIT, FREE
CALC, TRC IMBD PYR, 30%
FREE MRL, NO STN, TRC MIN
FLOR, FNT BLSHWT O FLOR,
IMMED STRMG CUT, HVY
BLSHWT RNG