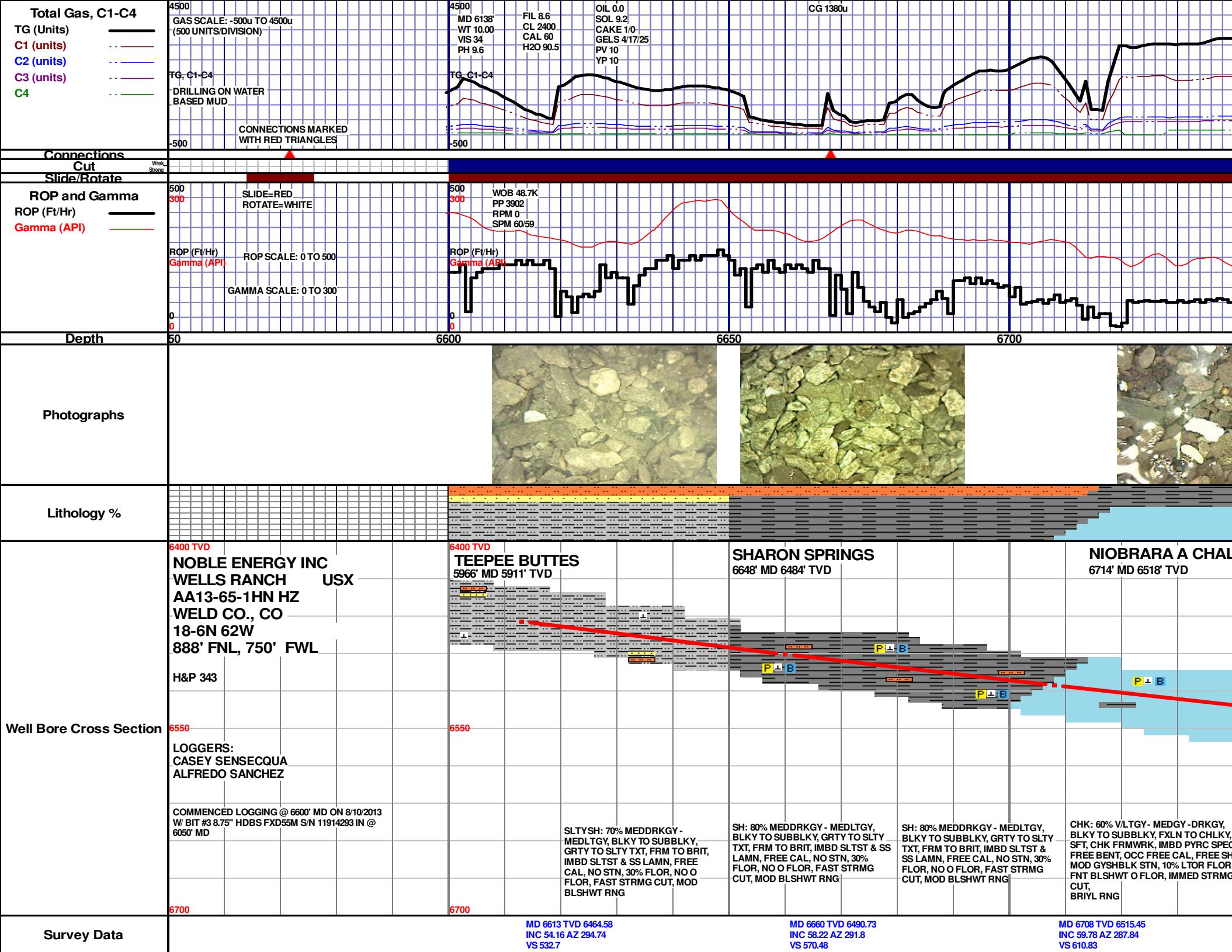
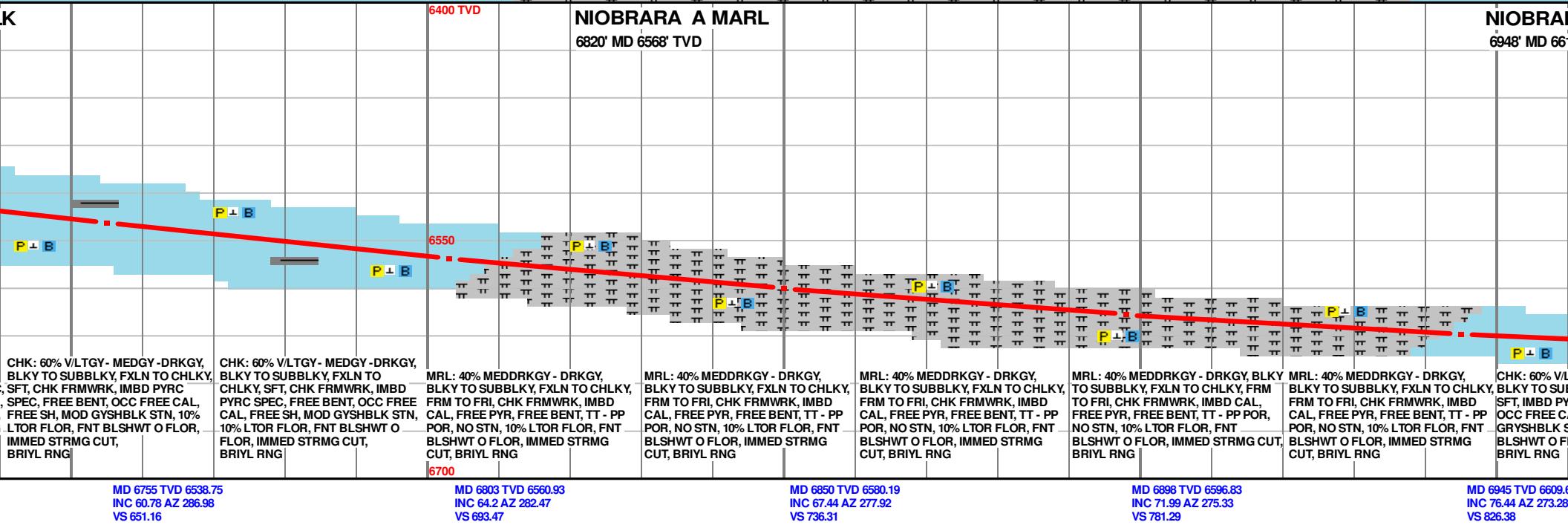
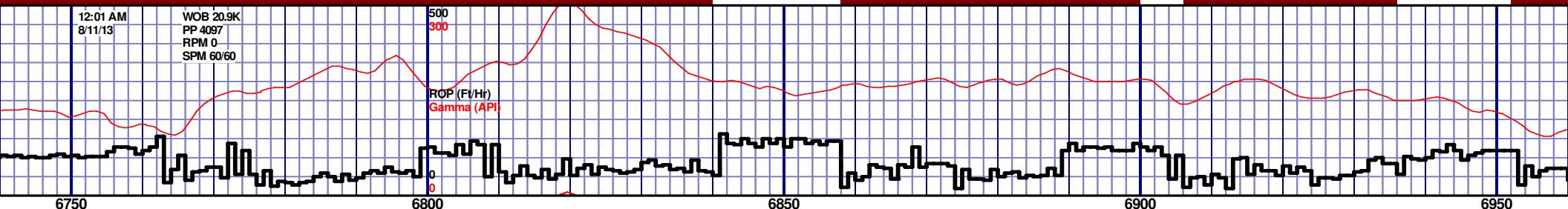
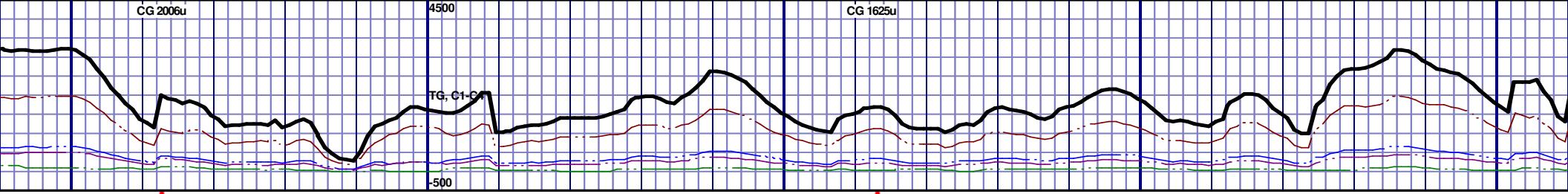


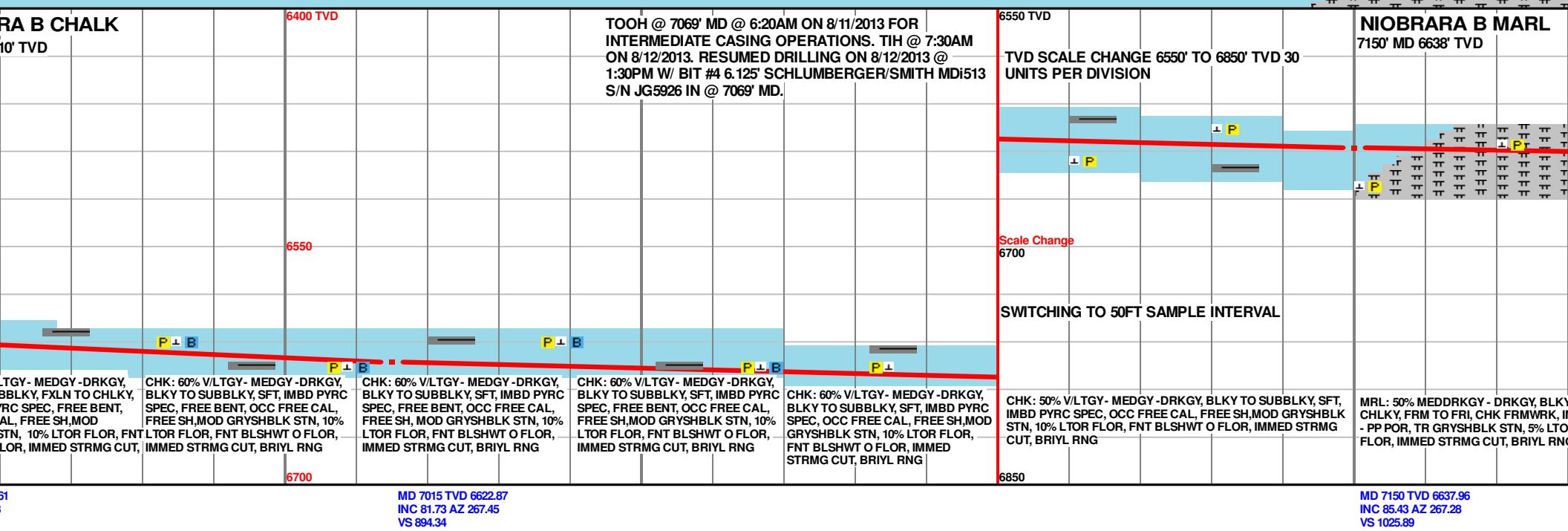
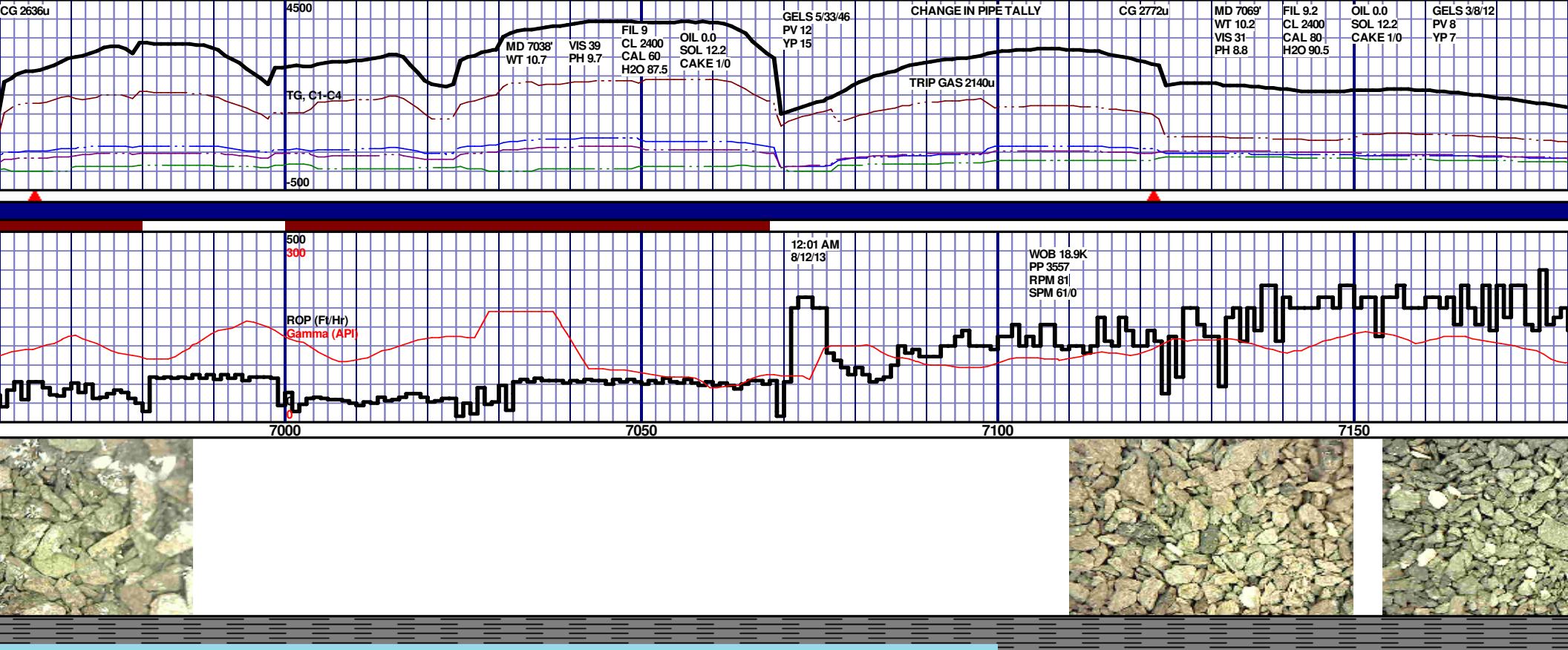


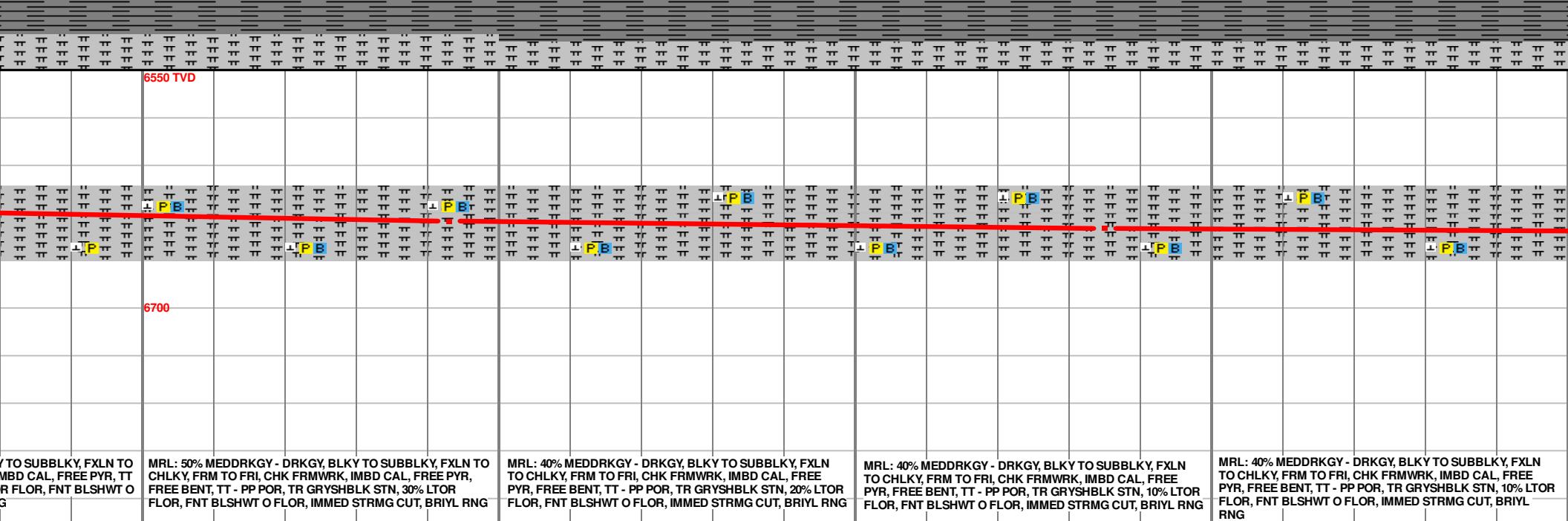
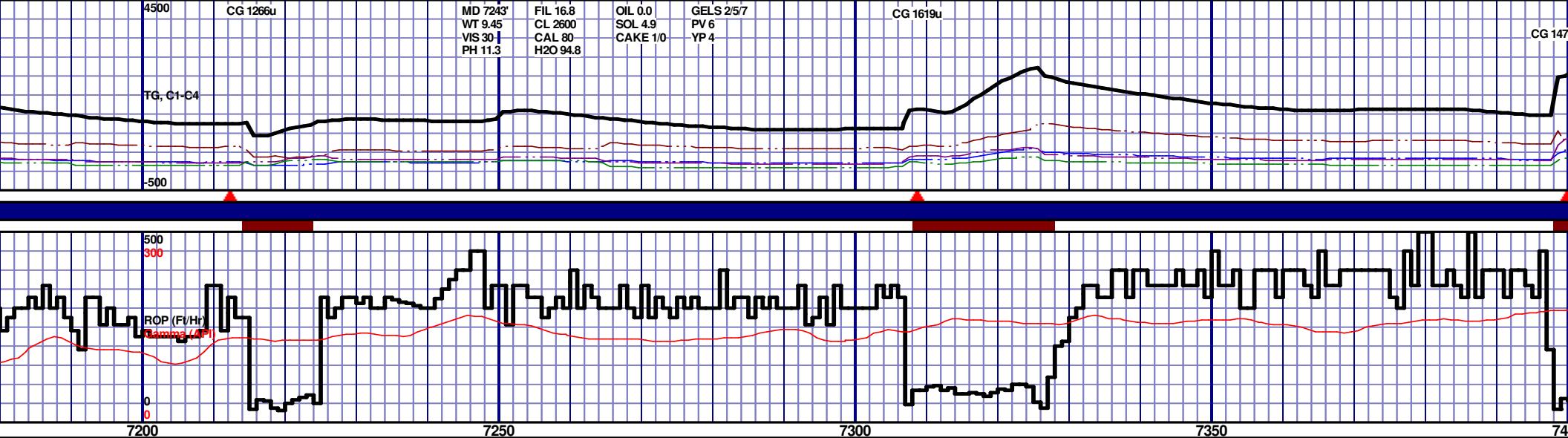
7136 South Yale Avenue, Suite 414  
Tulsa, Oklahoma 74136-6378  
phone 918.925.9739  
fax 866.534.4559  
[WWW.HZMUD.COM](http://WWW.HZMUD.COM)

Customer Information	Well Information
<p><b>Operator:</b> Noble Energy Inc 1625 Broadway Suite 2200 Denver, Colorado 80202</p>	<p><b>Well Name:</b> Wells Ranch USX AA13-65-1HN HZ <b>Location:</b> 18-6N 62W 888' FNL, 750' FWL</p>
<p><b>Geologist:</b> Holly Duncan Noble Energy Inc.</p>	<p><b>County:</b> Weld <b>State:</b> Colorado</p>
Mud Logging Details	
<p><b>Logger:</b> Casey Sensequa &amp; Alfredo Sanchez <b>Log Interval:</b> 6600' MD to 11560' MD <b>Start Date:</b> August 10, 2013 <b>Release Date:</b> August 14, 2013</p>	<p><b>Drilling Rig:</b> H&amp;P 343 <b>Total Depth:</b> 11560' MD <b>TD Date:</b> August 14, 2013 <b>Formation:</b> Niobrara B Chalk <b>KB Elevation:</b> 4855' <b>GR Elevation:</b> 4831' <b>API Number:</b> 05-123-36827-0000</p>





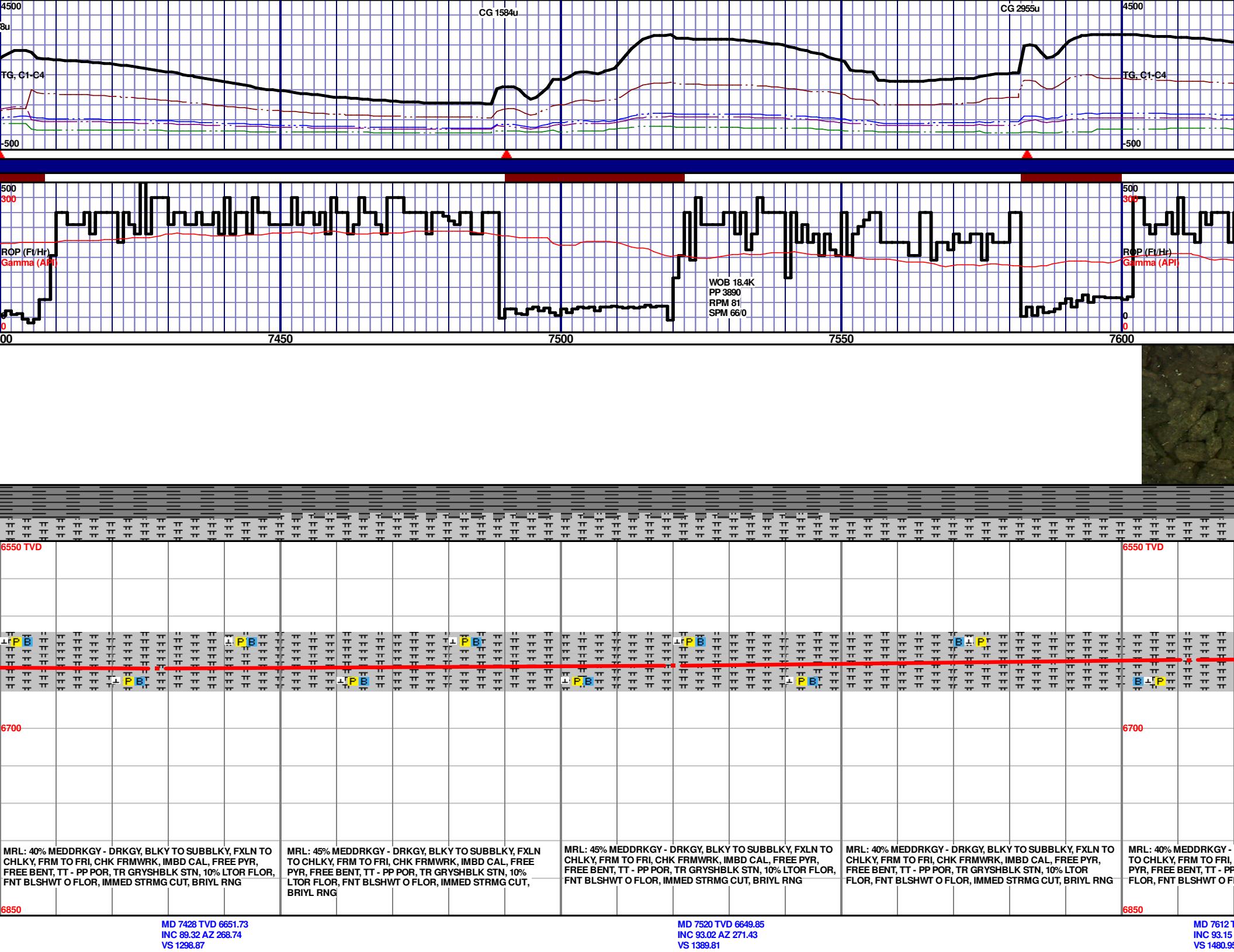


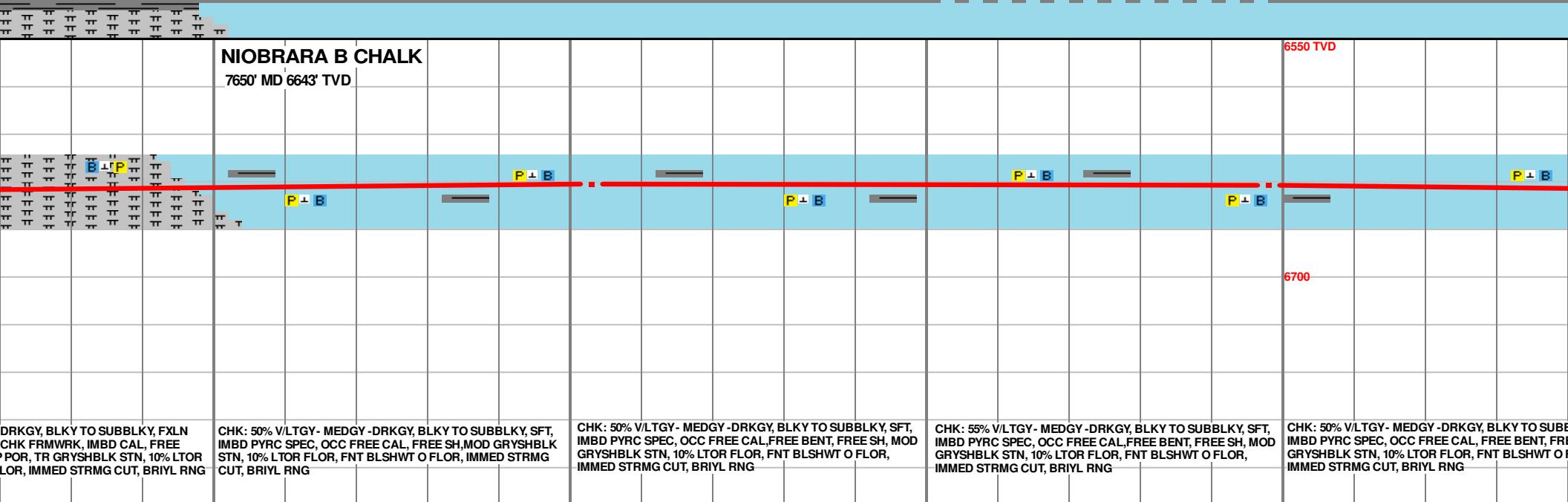
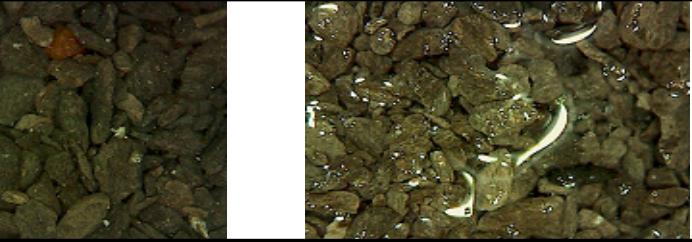
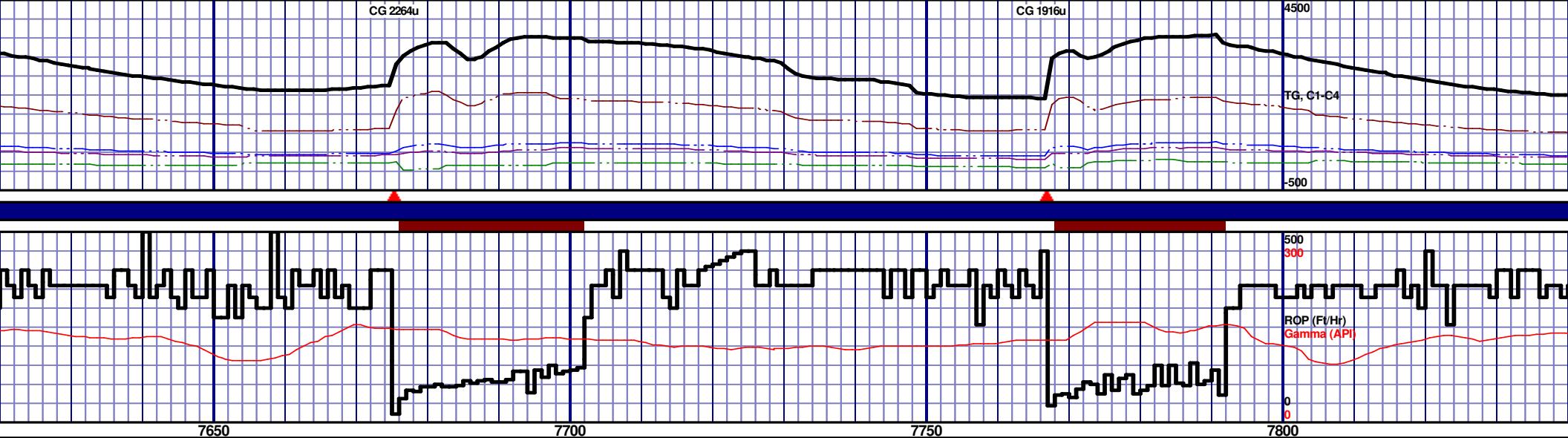


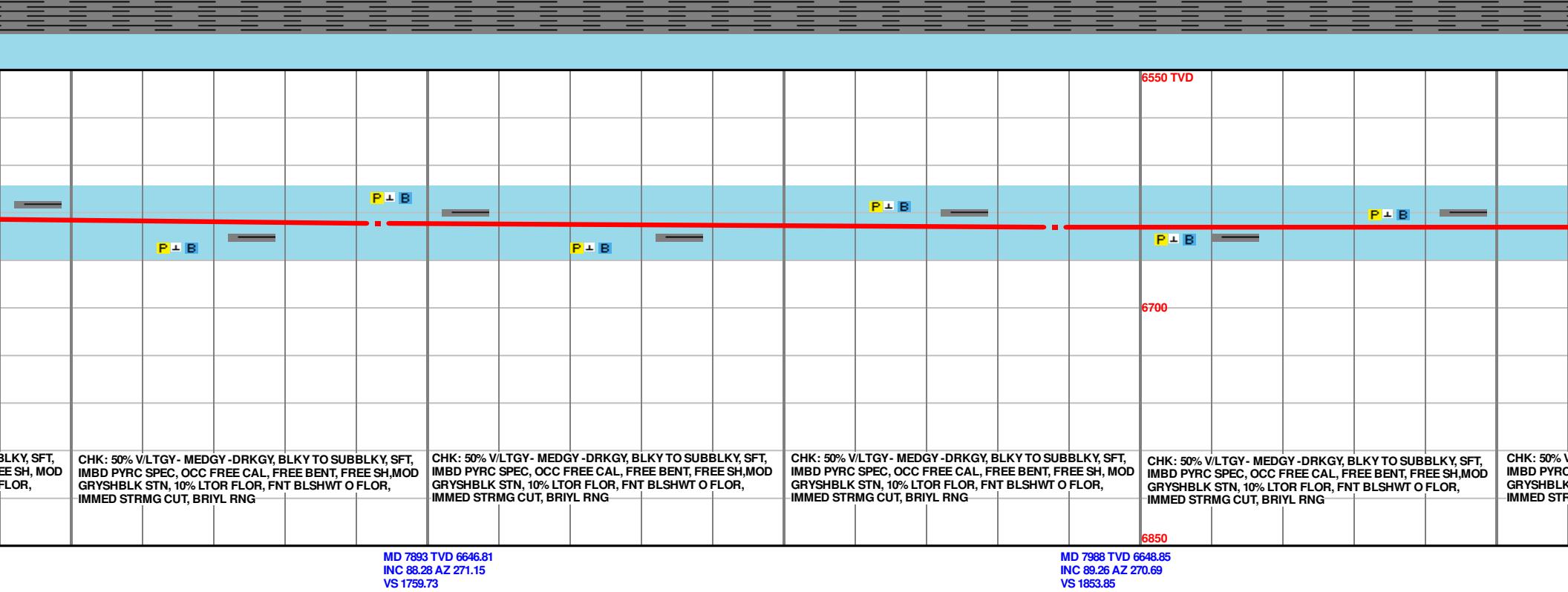
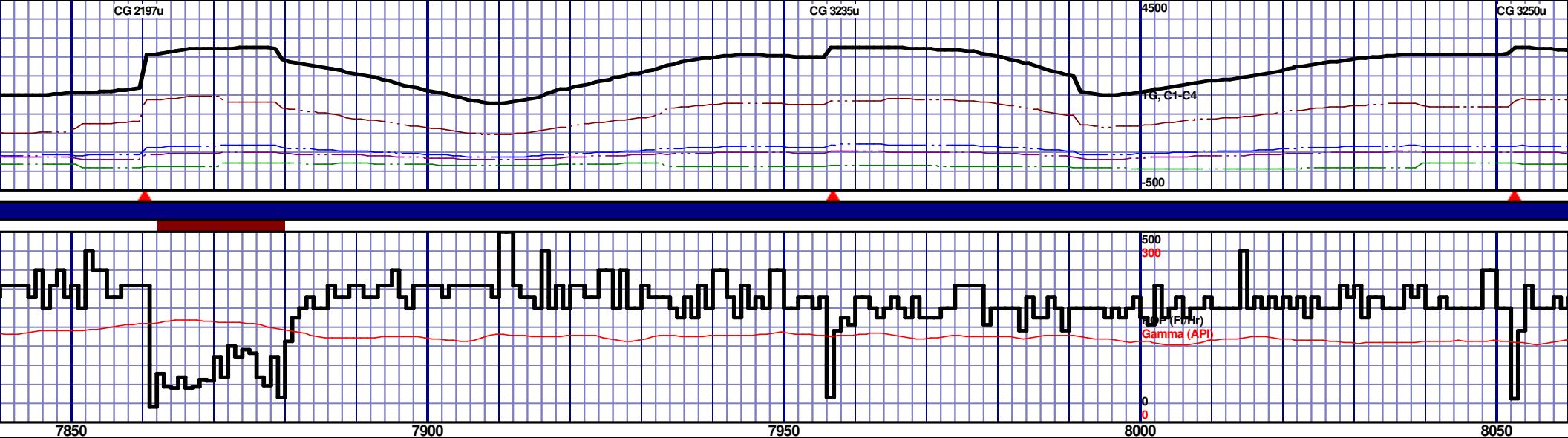
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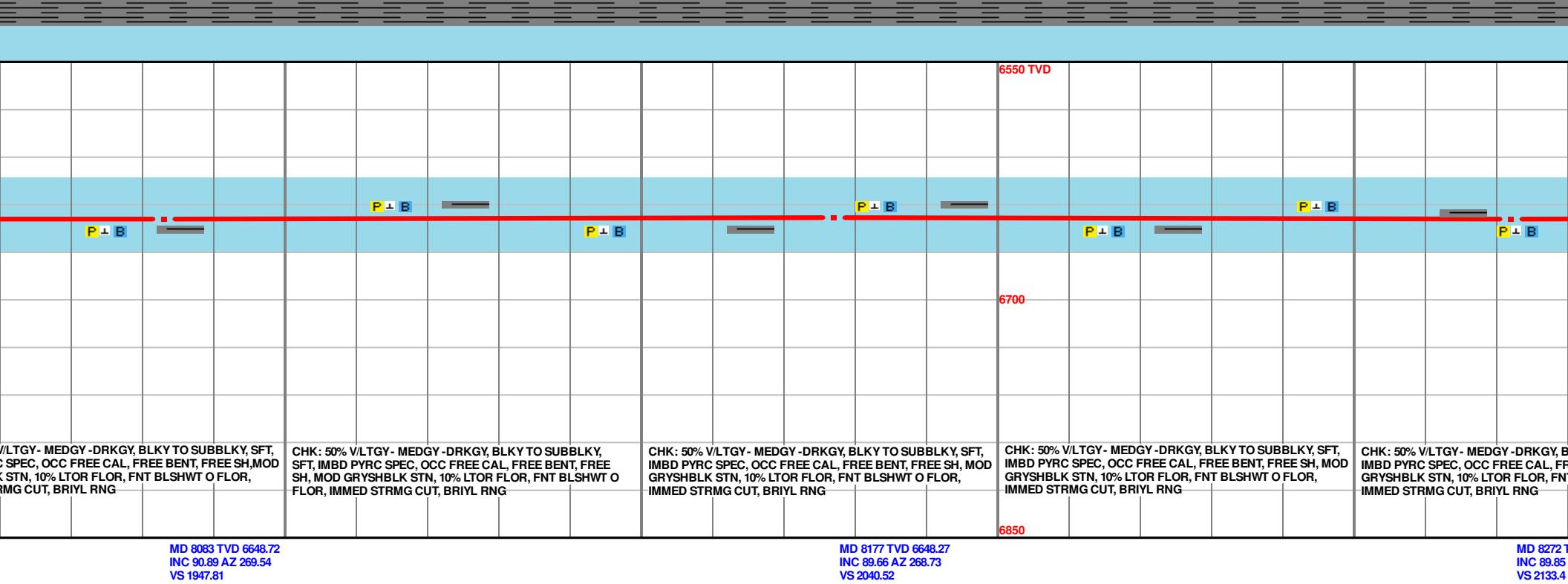
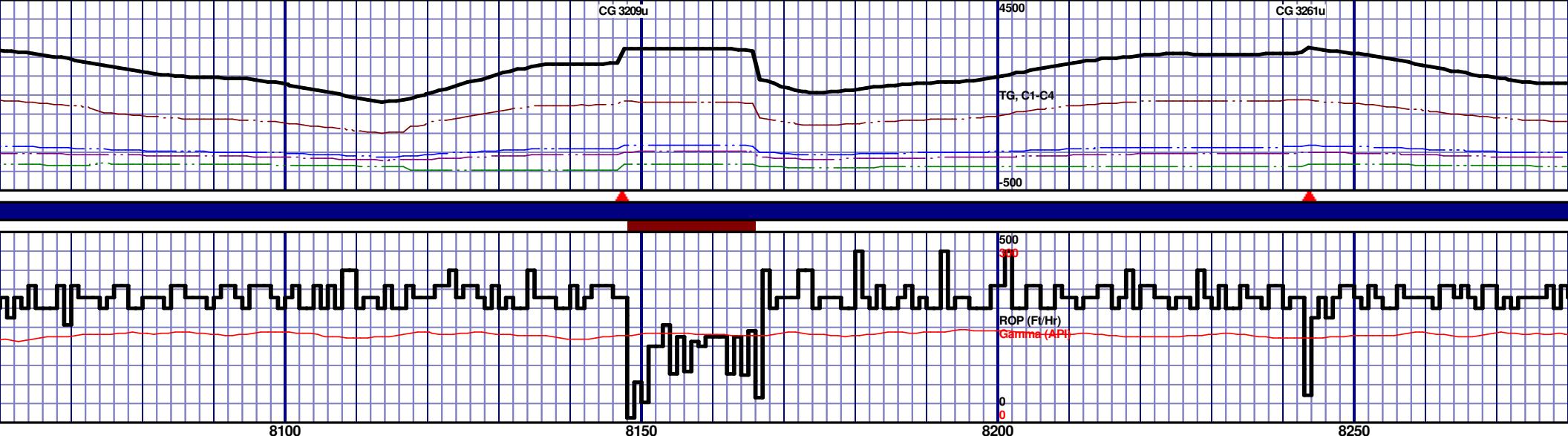
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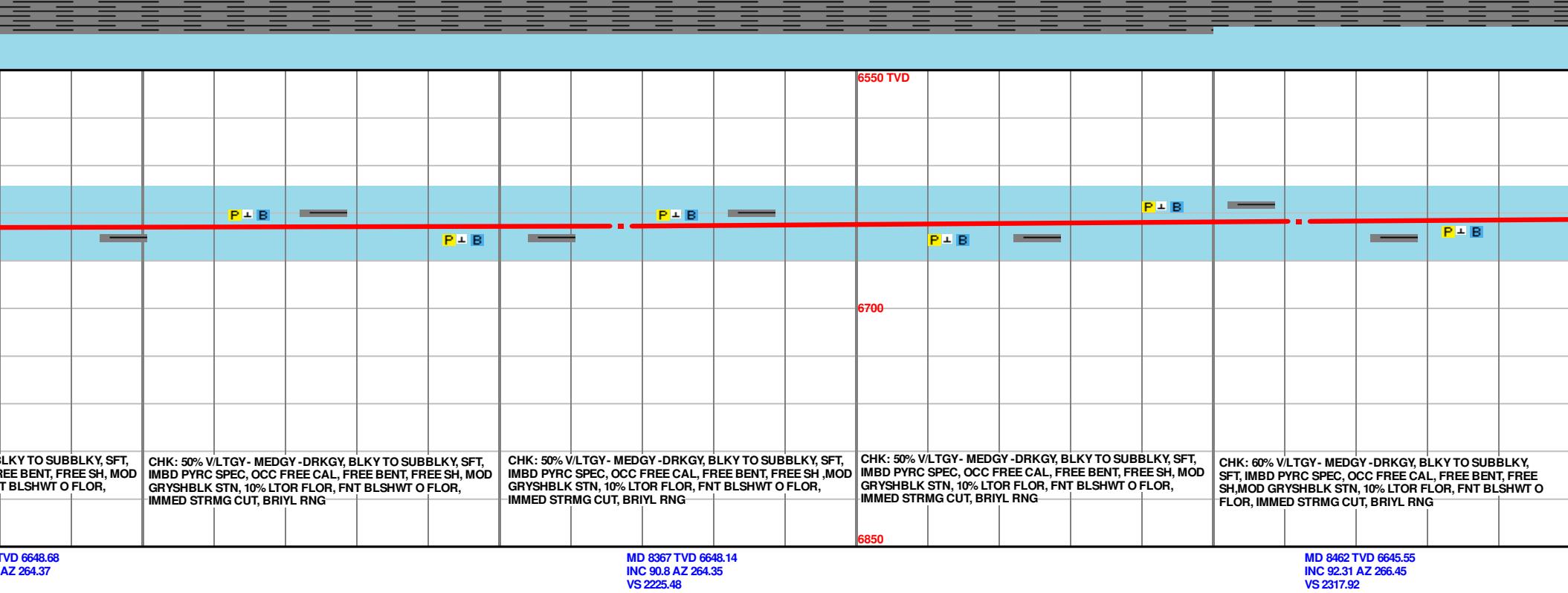
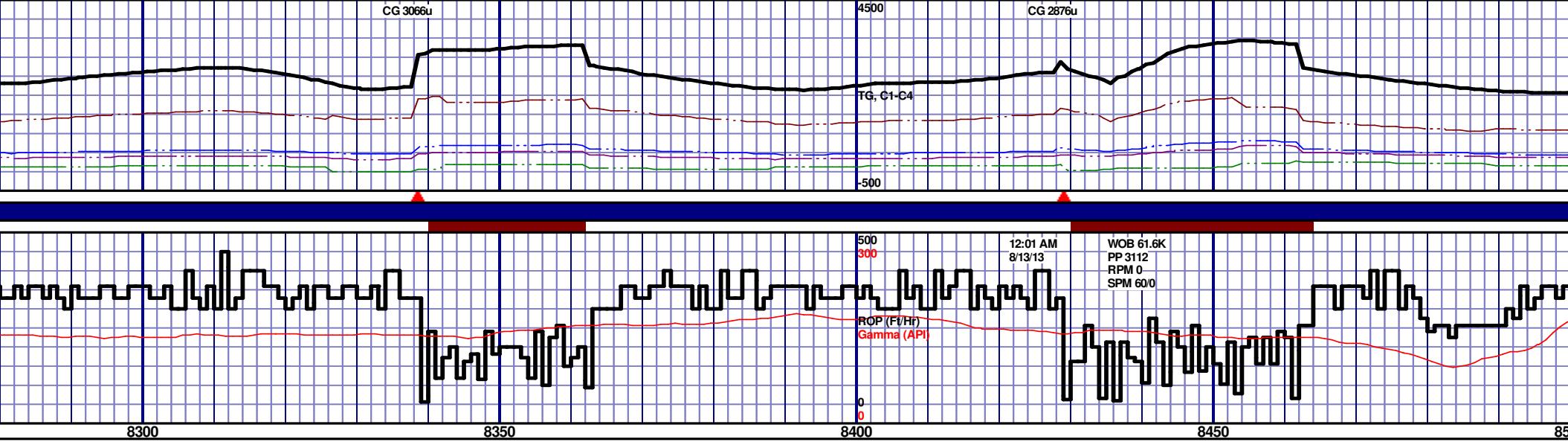
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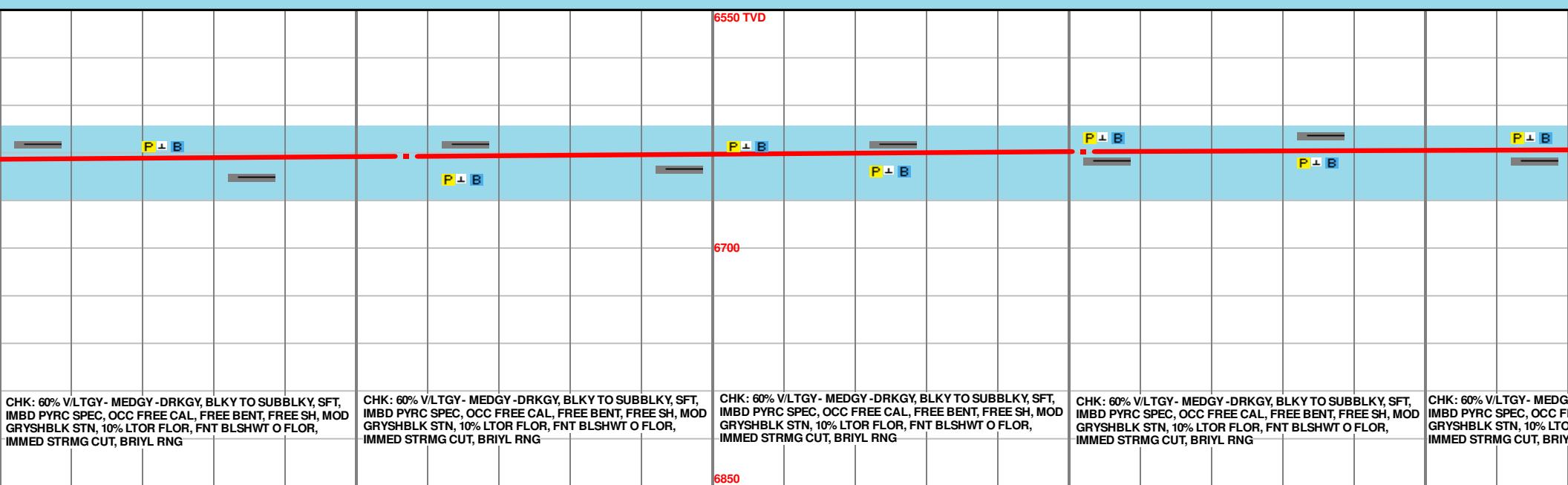
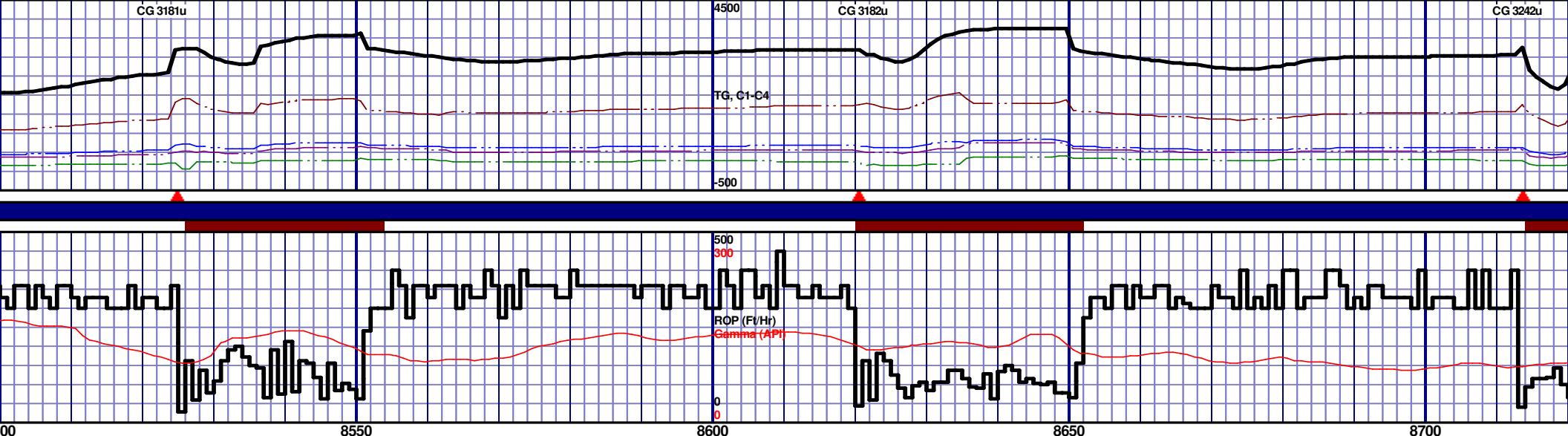


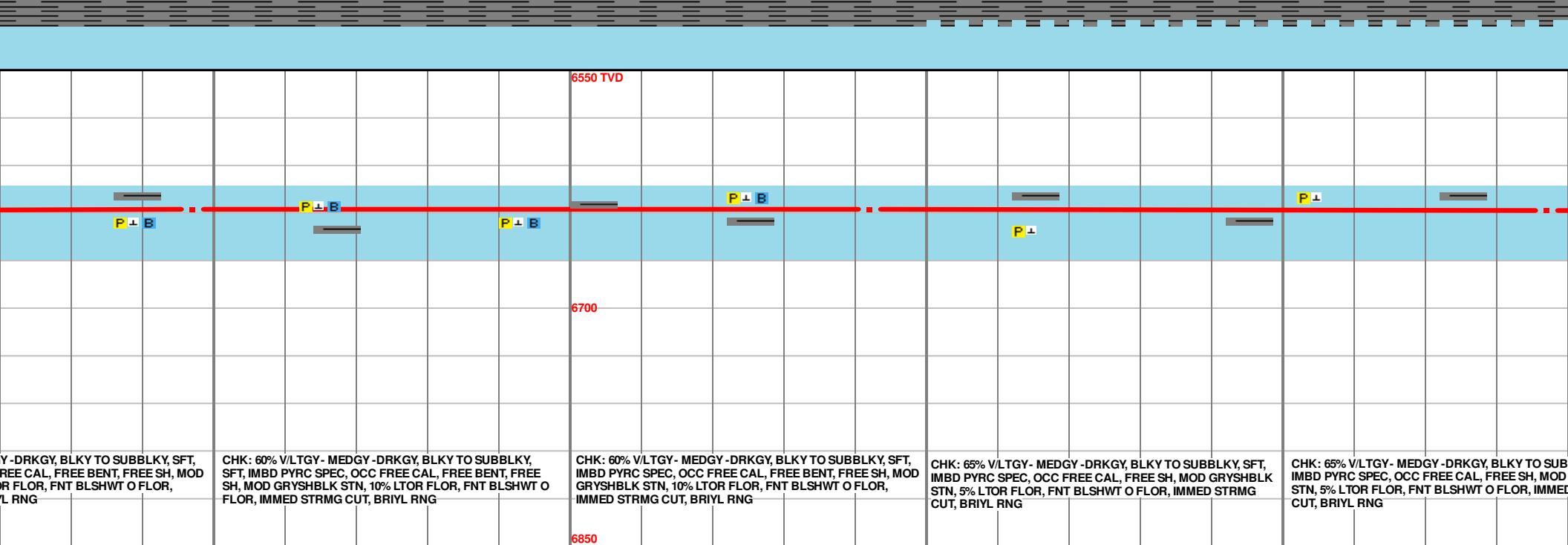
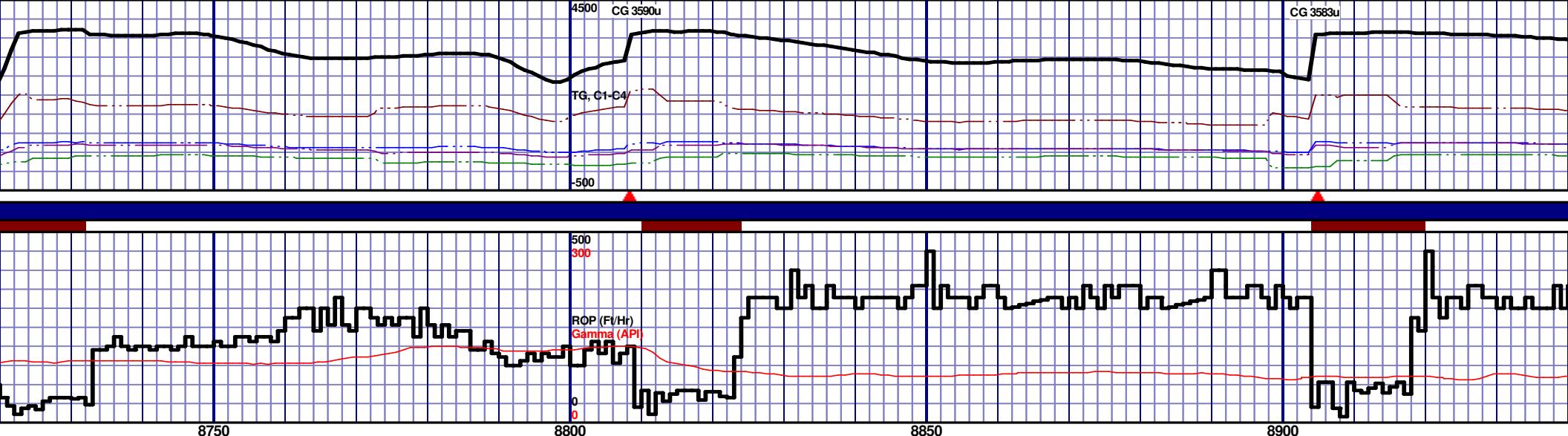


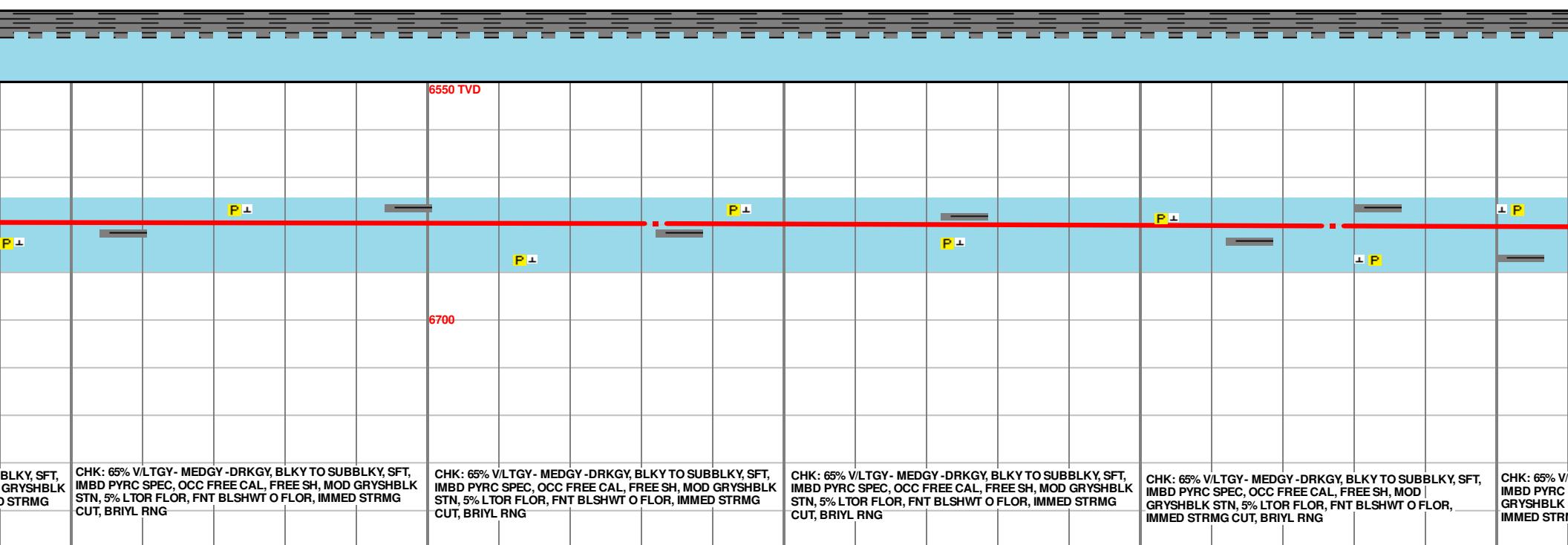
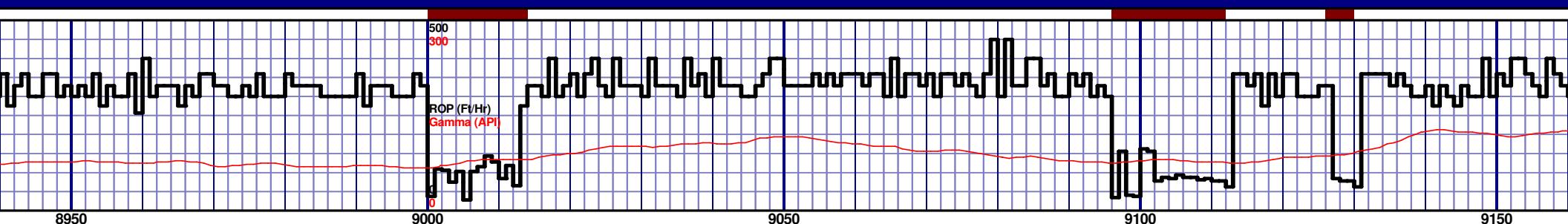
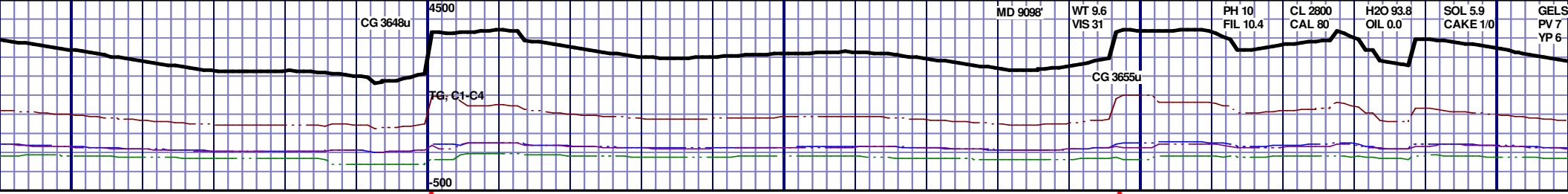








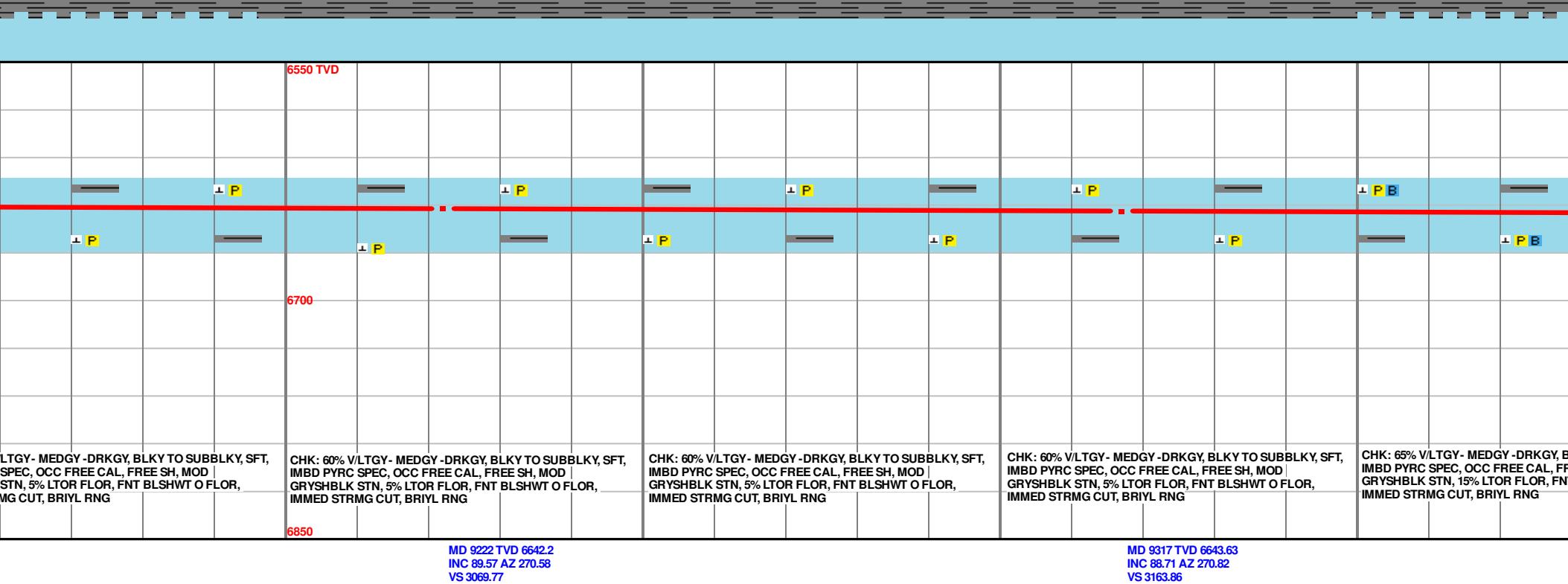
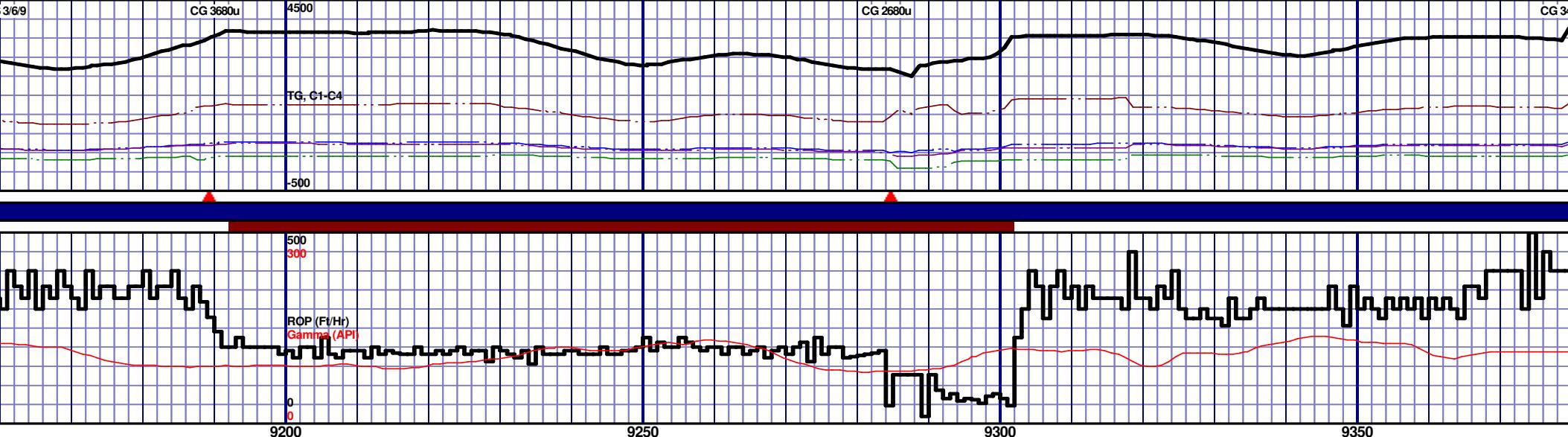


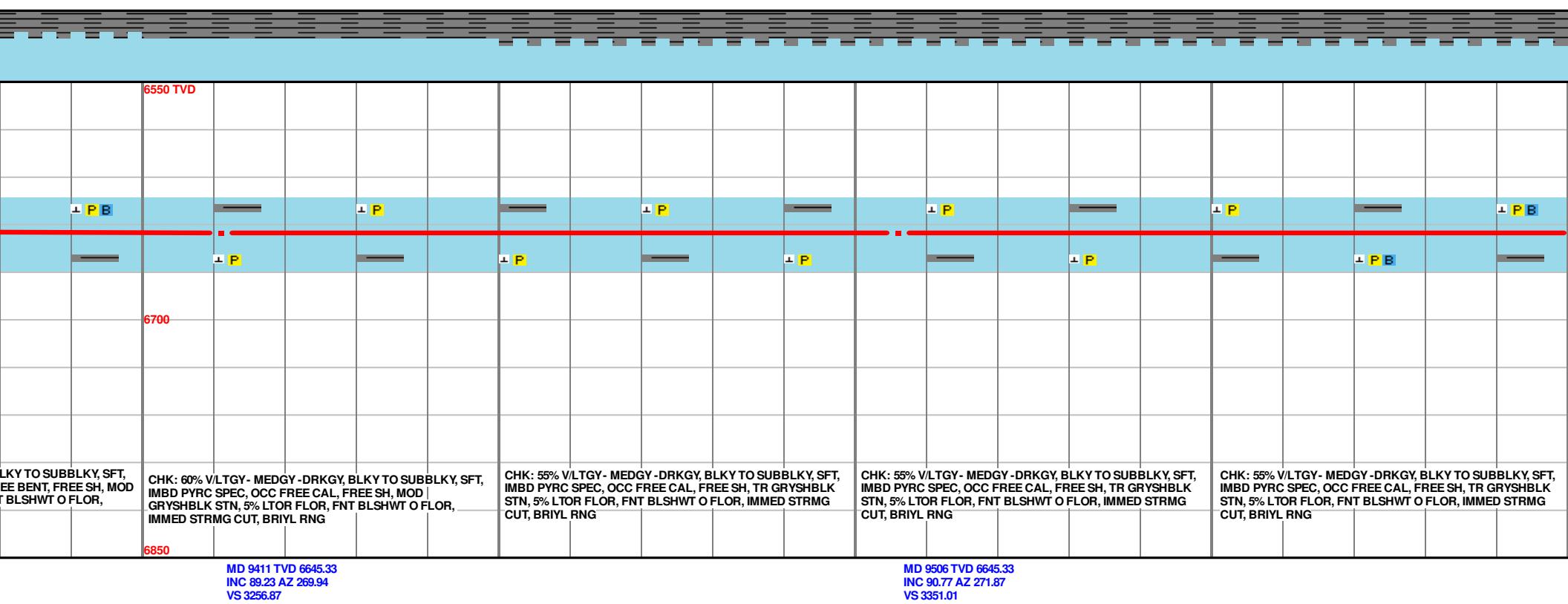
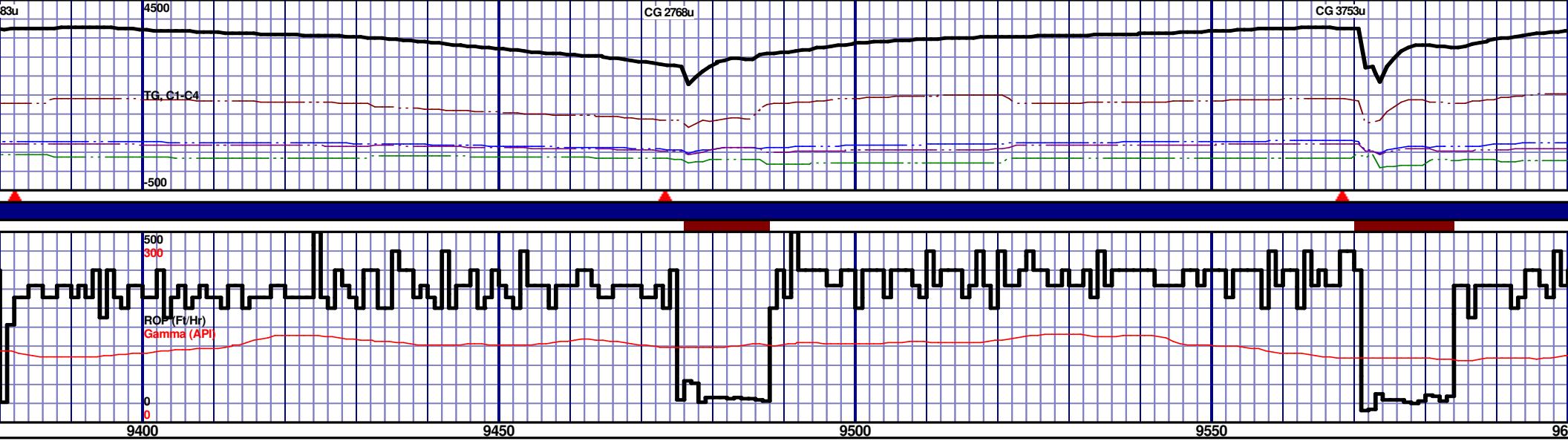


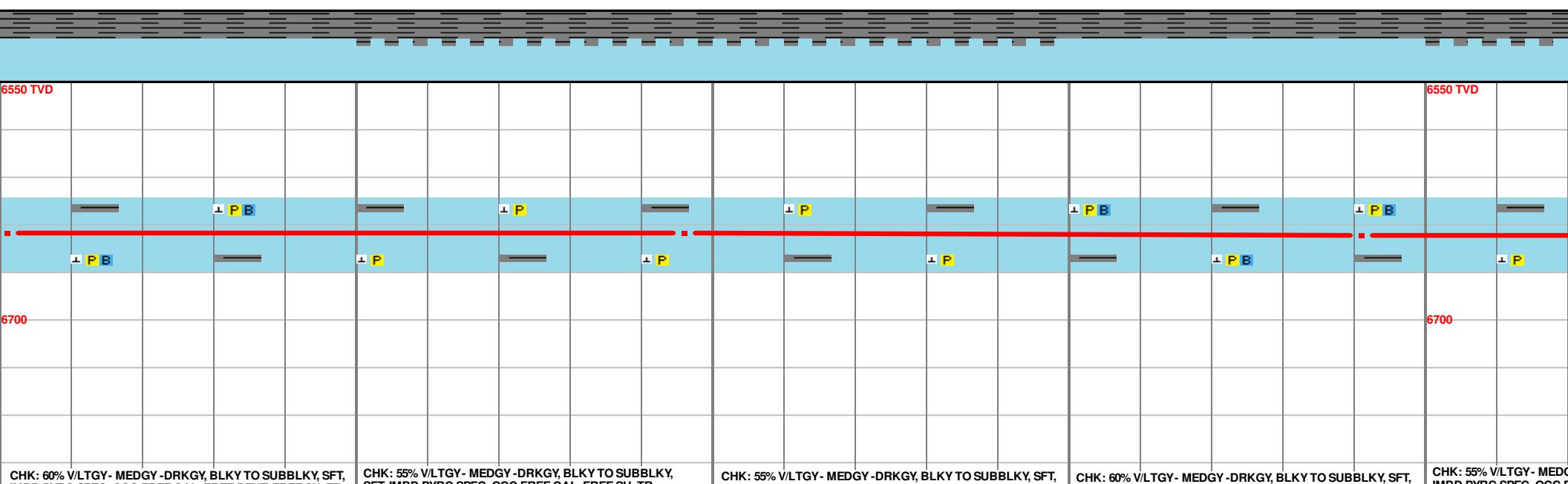
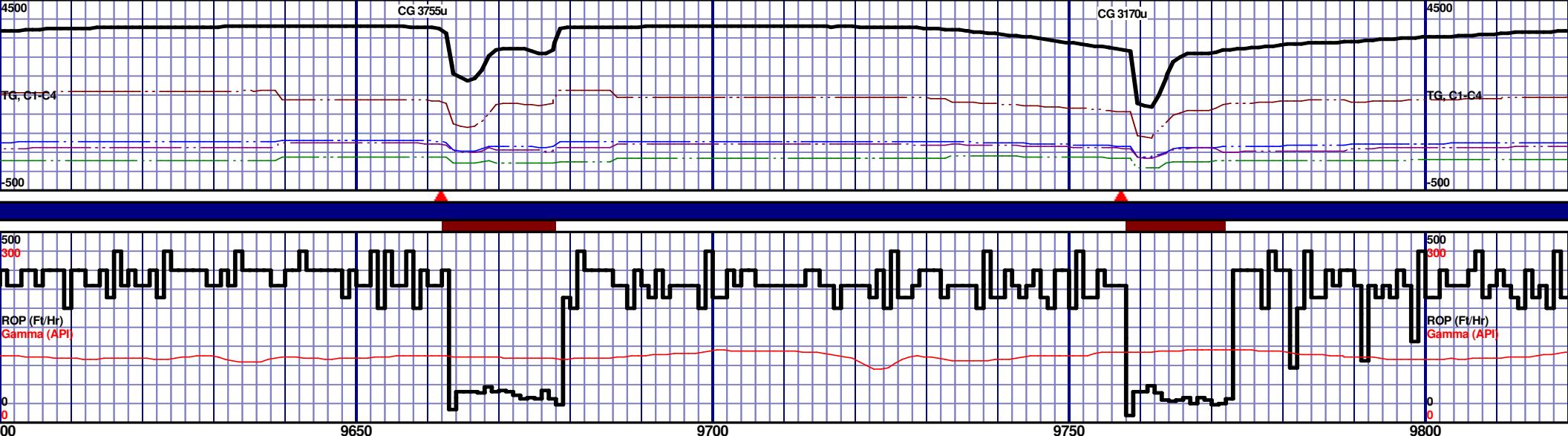
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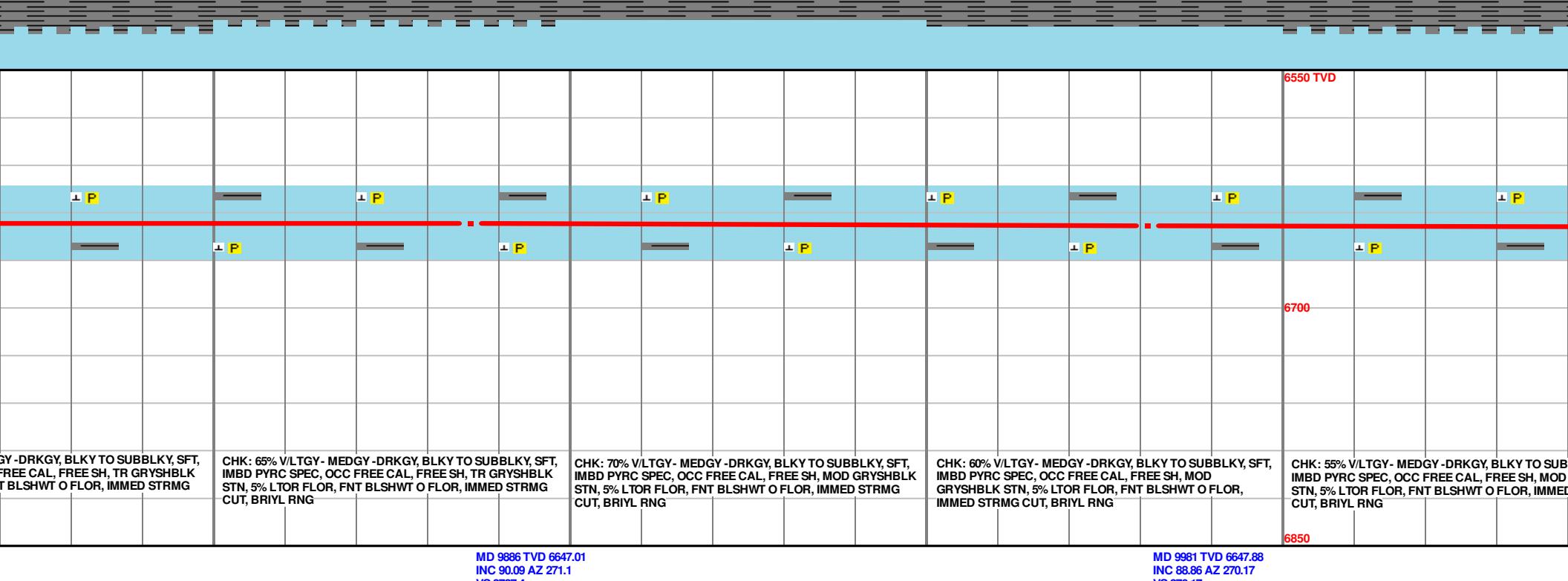
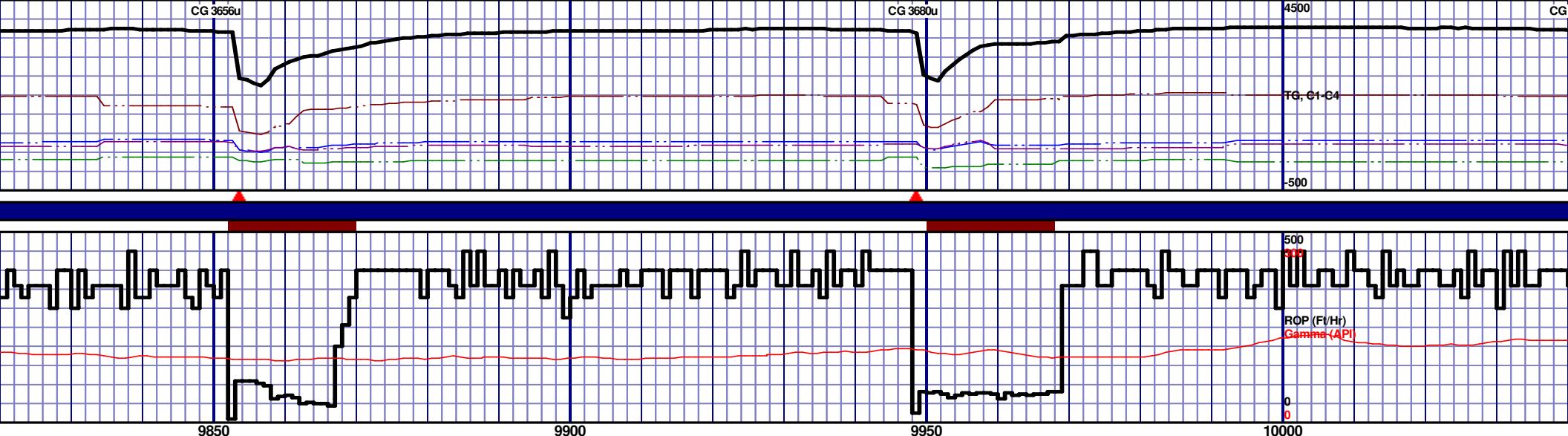


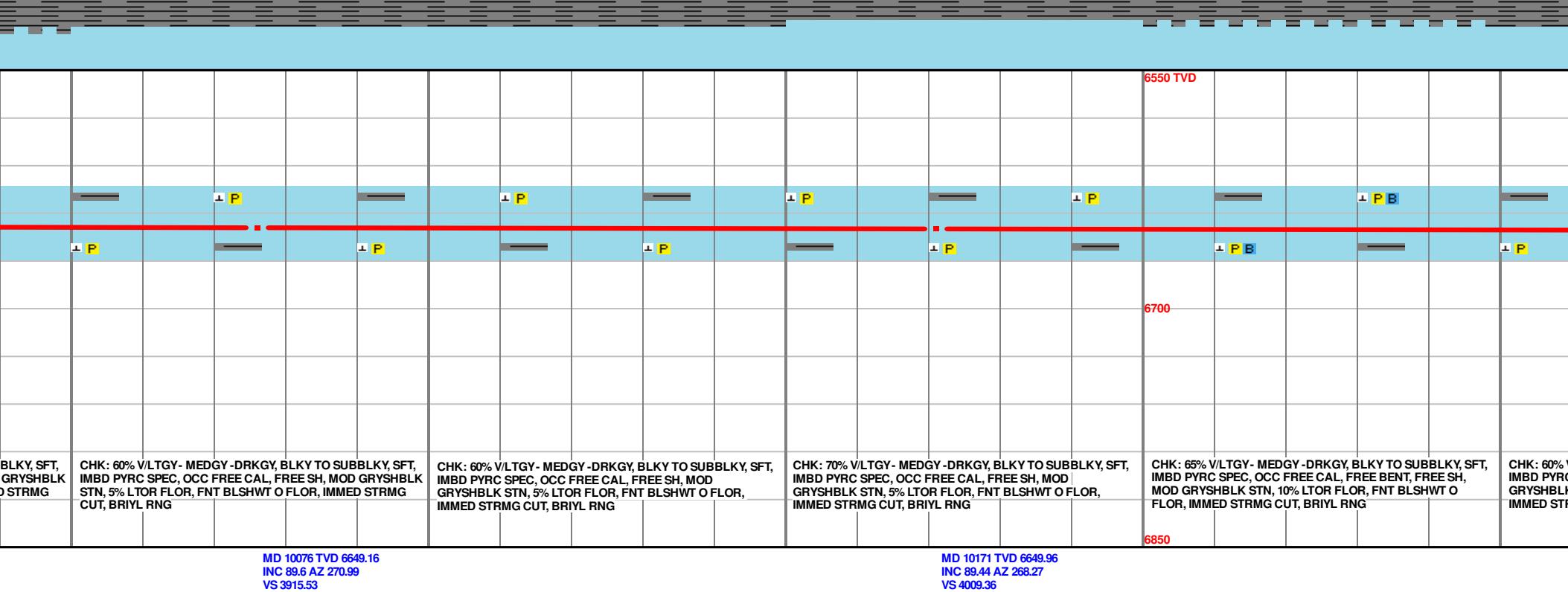
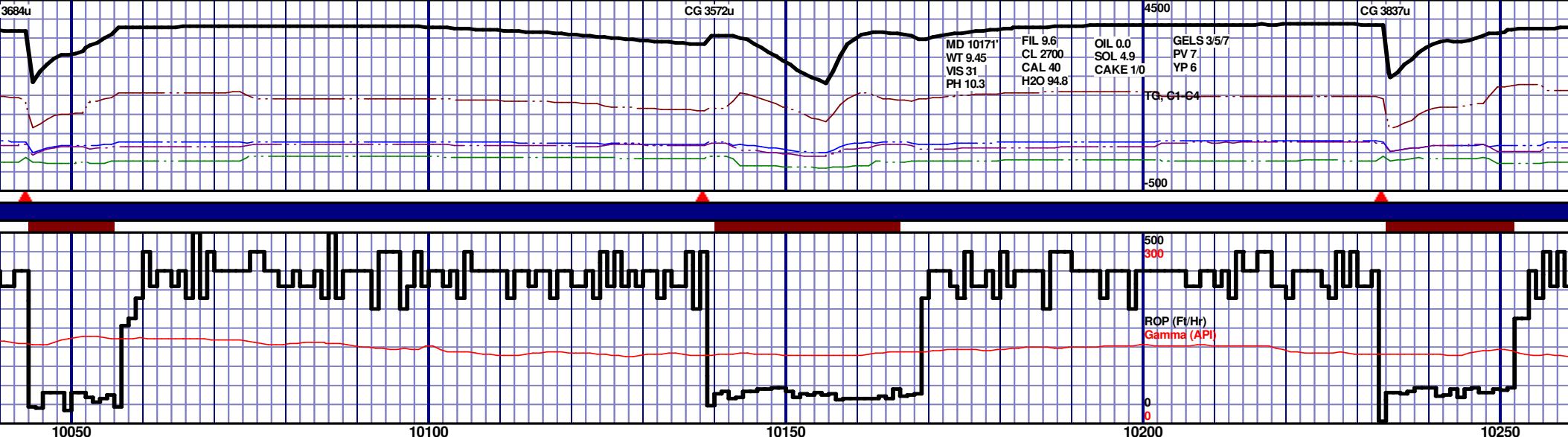


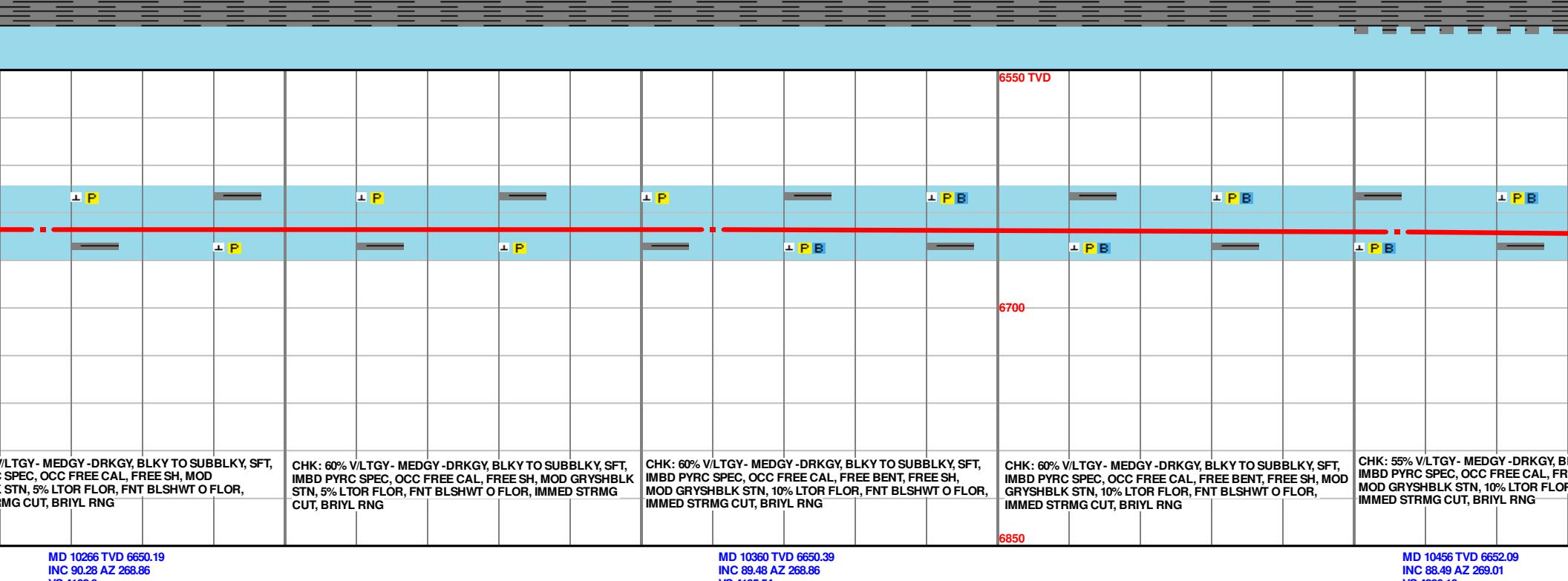
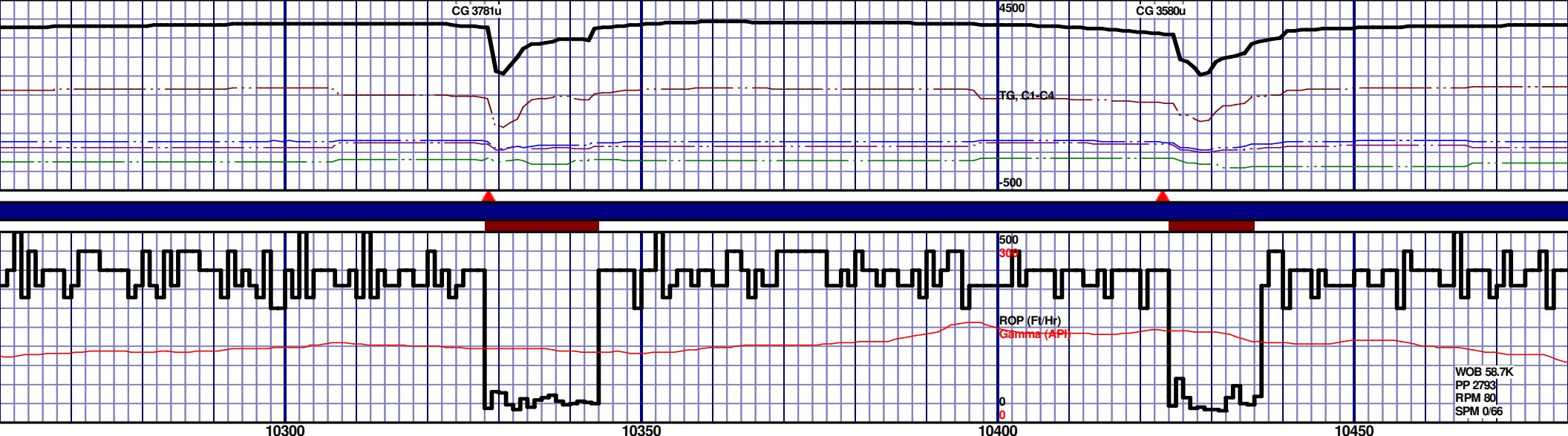
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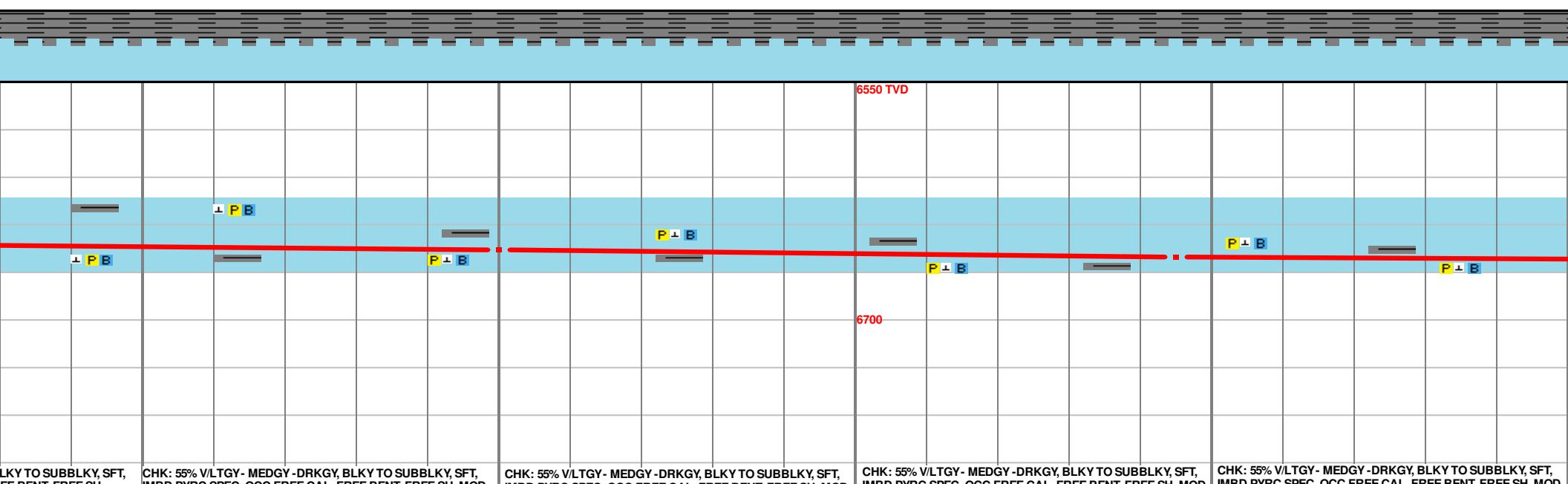
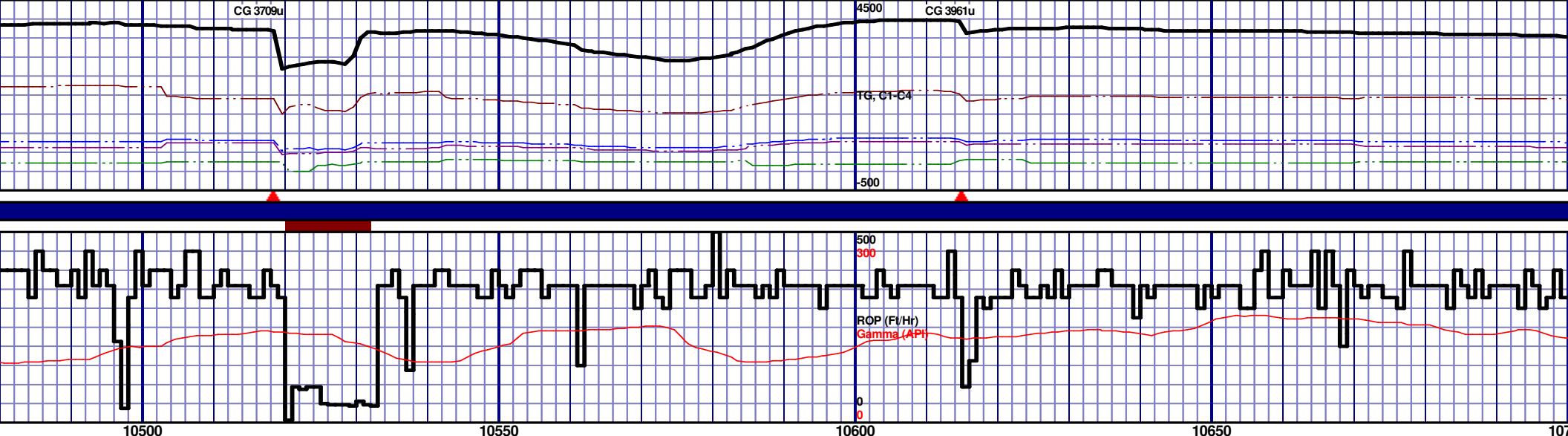
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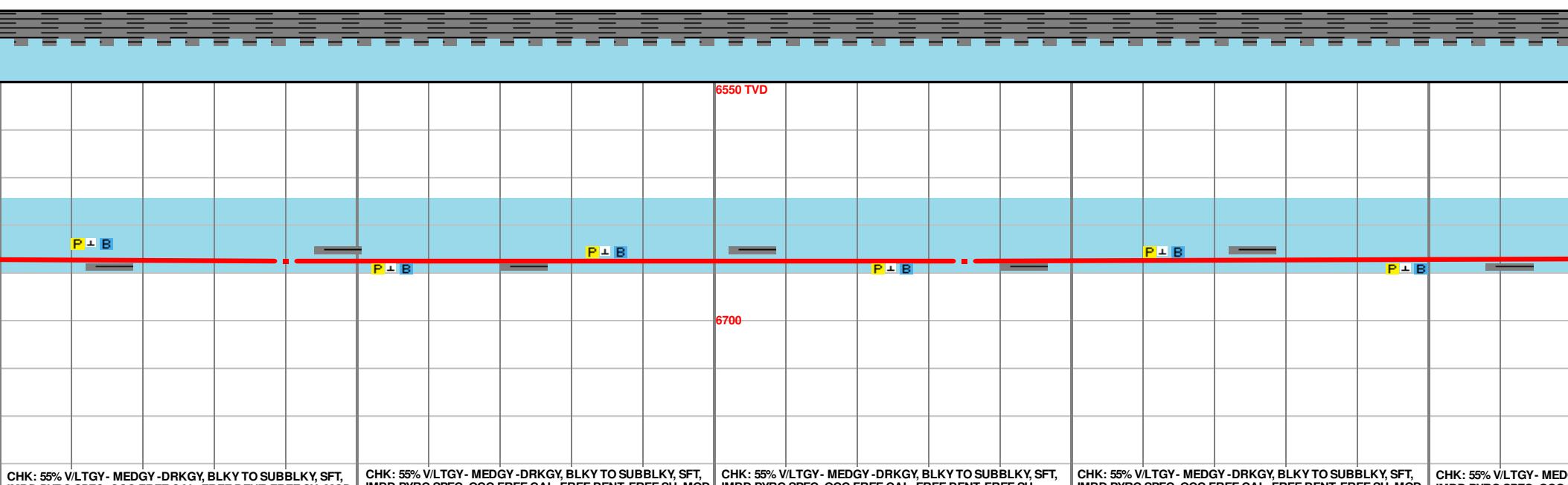
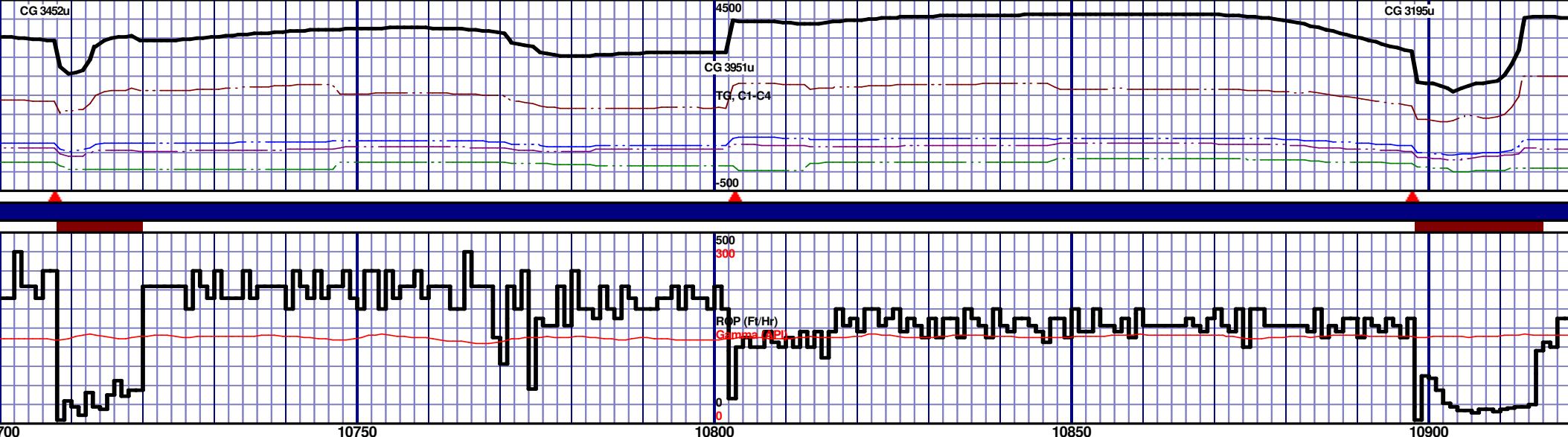
LKY TO SUBBLKY, SFT,  
FREE BENT, FREE SH,  
MOD GRYSHBLK STN,  
10% LTOR FLOR,  
FNT BLSHWT O FLOR,  
IMMED STRMG CUT, BRIYL RNG

CHK: 55% V/LTGY - MEDGY - DRKGY, BLKY TO SUBBLKY, SFT,  
IMBD PYRC SPEC, OCC FREE CAL, FREE BENT, FREE SH, MOD  
GRYSHBLK STN, 10% LTOR FLOR, FNT BLSHWT O FLOR, IMMED  
STRMG CUT, BRIYL RNG

CHK: 55% V/LTGY - MEDGY - DRKGY, BLKY TO SUBBLKY, SFT,  
IMBD PYRC SPEC, OCC FREE CAL, FREE BENT, FREE SH, MOD  
GRYSHBLK STN, 10% LTOR FLOR, FNT BLSHWT O FLOR, IMMED  
STRMG CUT, BRIYL RNG

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GRYSHBLK STN, 10% LTOR FLOR, FNT BLSHWT O FLOR,  
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GRYSHBLK STN, 10% LTOR FLOR, FNT BLSHWT O FLOR,  
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CHK: 55% V/LTGY - MEDGY - DRKGY, BLKY TO SUBBLKY, SFT, IMBD PYRC SPEC, OCC FREE CAL, FREE BENT, FREE SH, MOD GRYSHBLK STN, 10% LTOR FLOR, FNT BLSHWT O FLOR, IMMED STRMG CUT, BRIYL RNG

