



Scale 1:600 (2"=100') Metric
Measured Depth Log

Well Name: Vonderlage Fed 28N-W31HZ
Location: Weld County, CO.
License Number: 051233601700
Spud Date: 08/06/13
Surface Coordinates: 491'FSL & 1800'FWL, SEC.31, T3N-R66W
Region: DJ basin
Drilling Completed: 08/13/13
Bottom Hole Coordinates: 460' FNL & 2330' FWL, SEC.31, T3N-R66W
Ground Elevation (m): 4843' K.B. Elevation (m): 4859'
Logged Interval (m): 6644' To: 11611' Total Depth (m): 11611'
Formation: Niobrara B
Type of Drilling Fluid: Water Based Mud

Printed by HORIZONTAL.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR


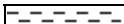







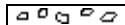




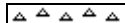



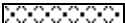
Company: Anadarko Petroleum Corporation
Address: Granite Tower
1099 18th St., Suite 1800
Denver, CO 80202

GEOLOGIST










































































Name: Aaron Wiggins/ Kyle Pickard
Company: Great Divide Consulting, Inc.
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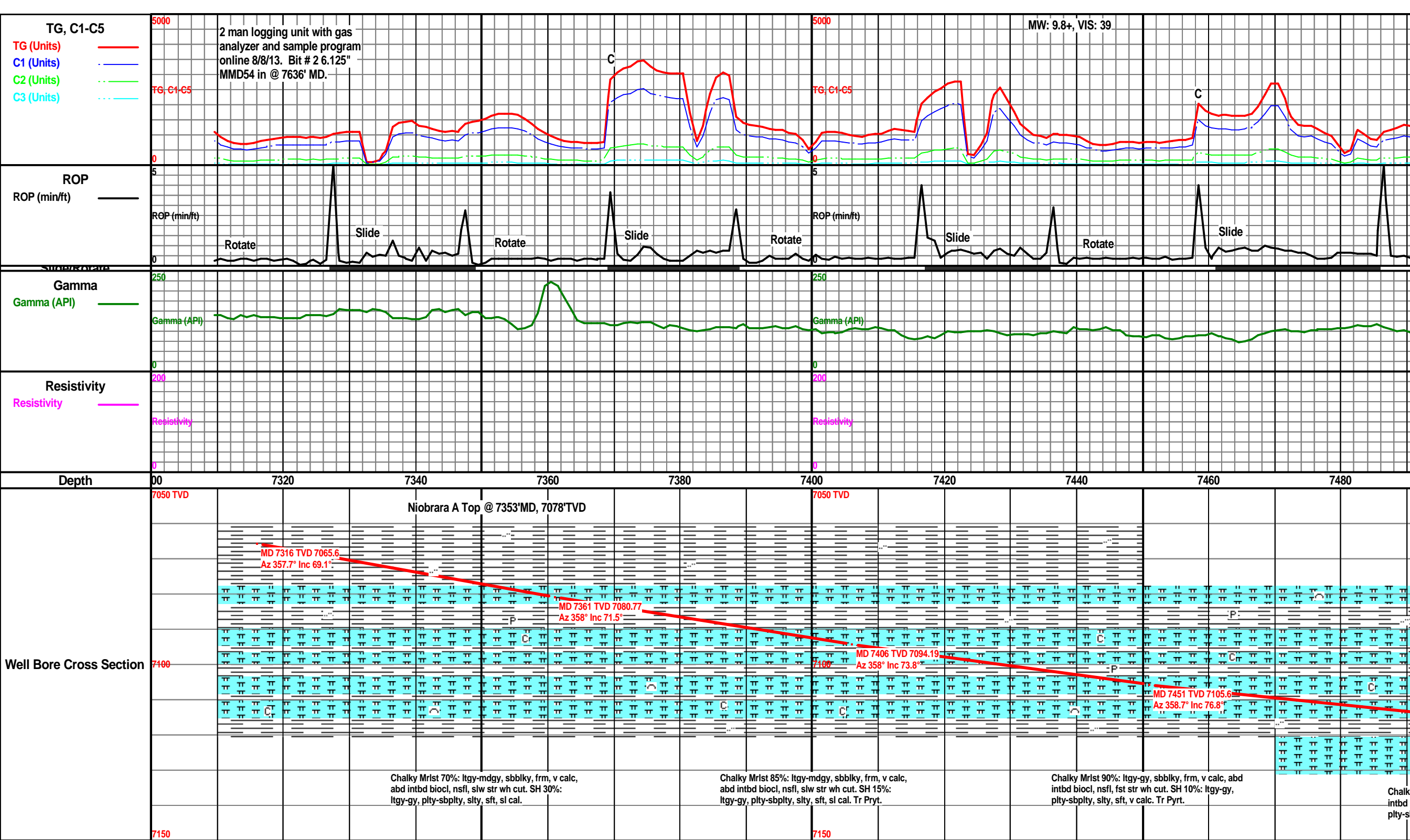
Comments

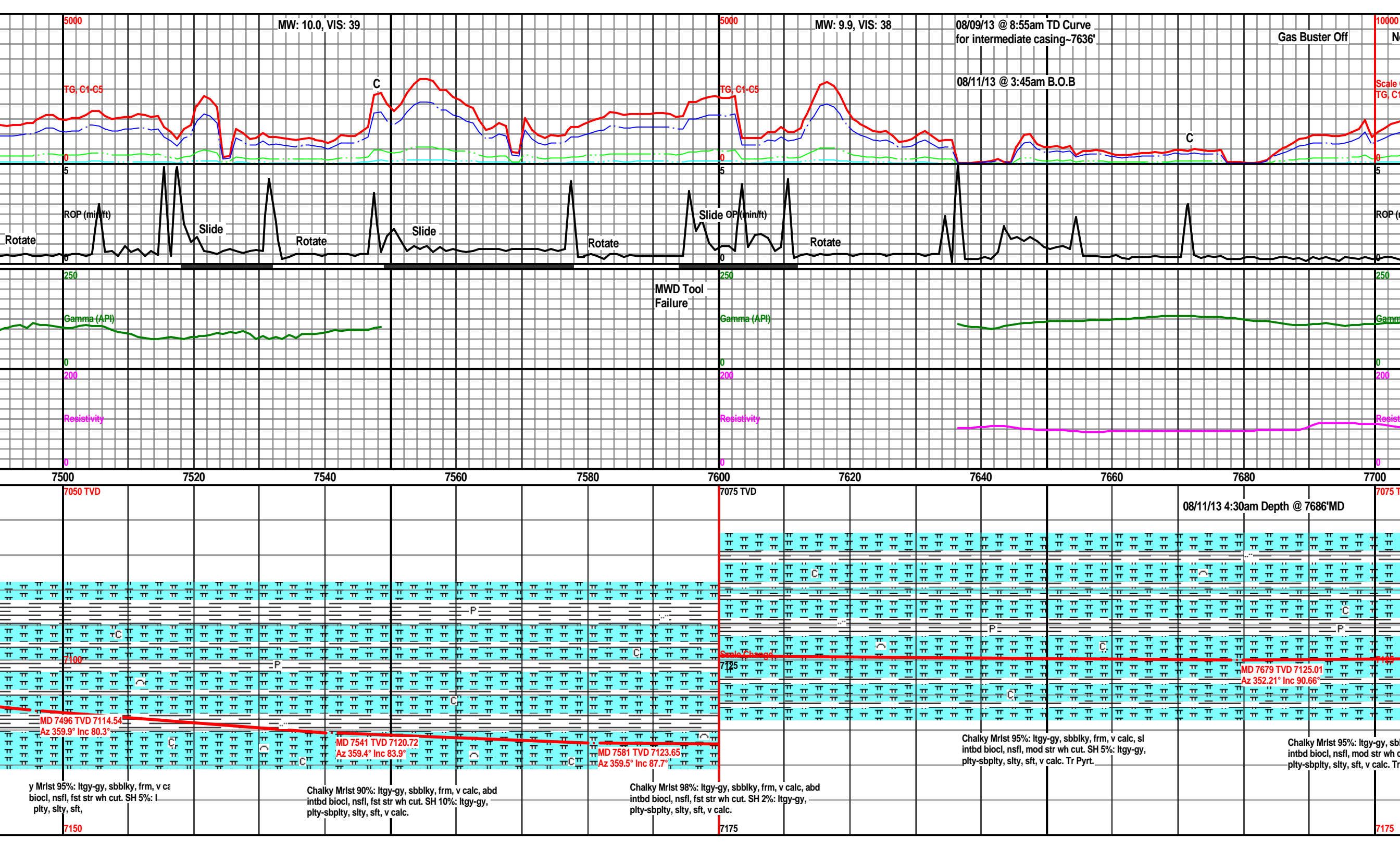
ROCK TYPES

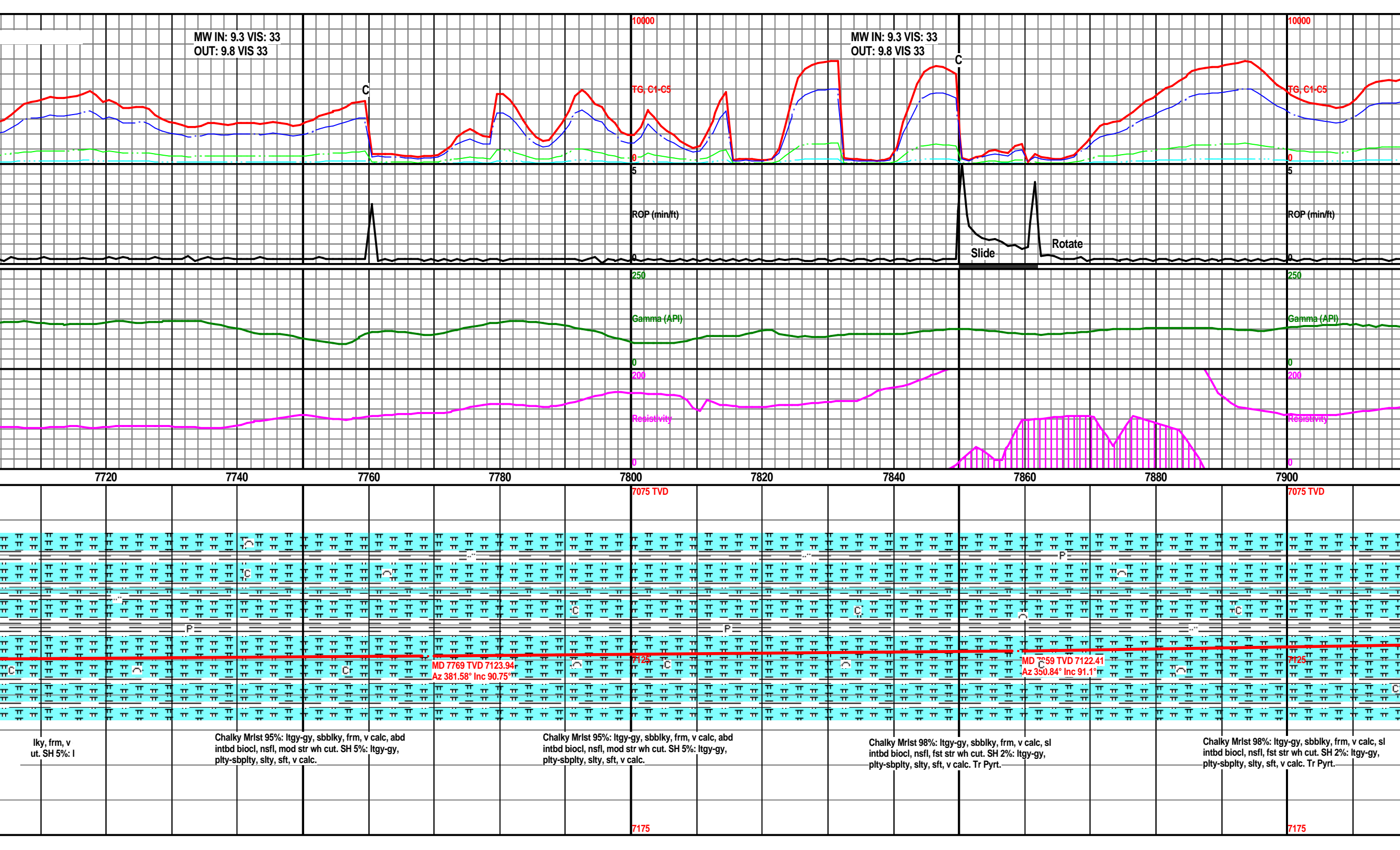
	Anhy		Clyst		Gyp		Mrlst		Shgy
	Bent		Coal		Igne		Salt		Sltst
	Brec		Congl		Lmst		Shale		Ss
	Cht		Dol		Meta		Shcol		Till

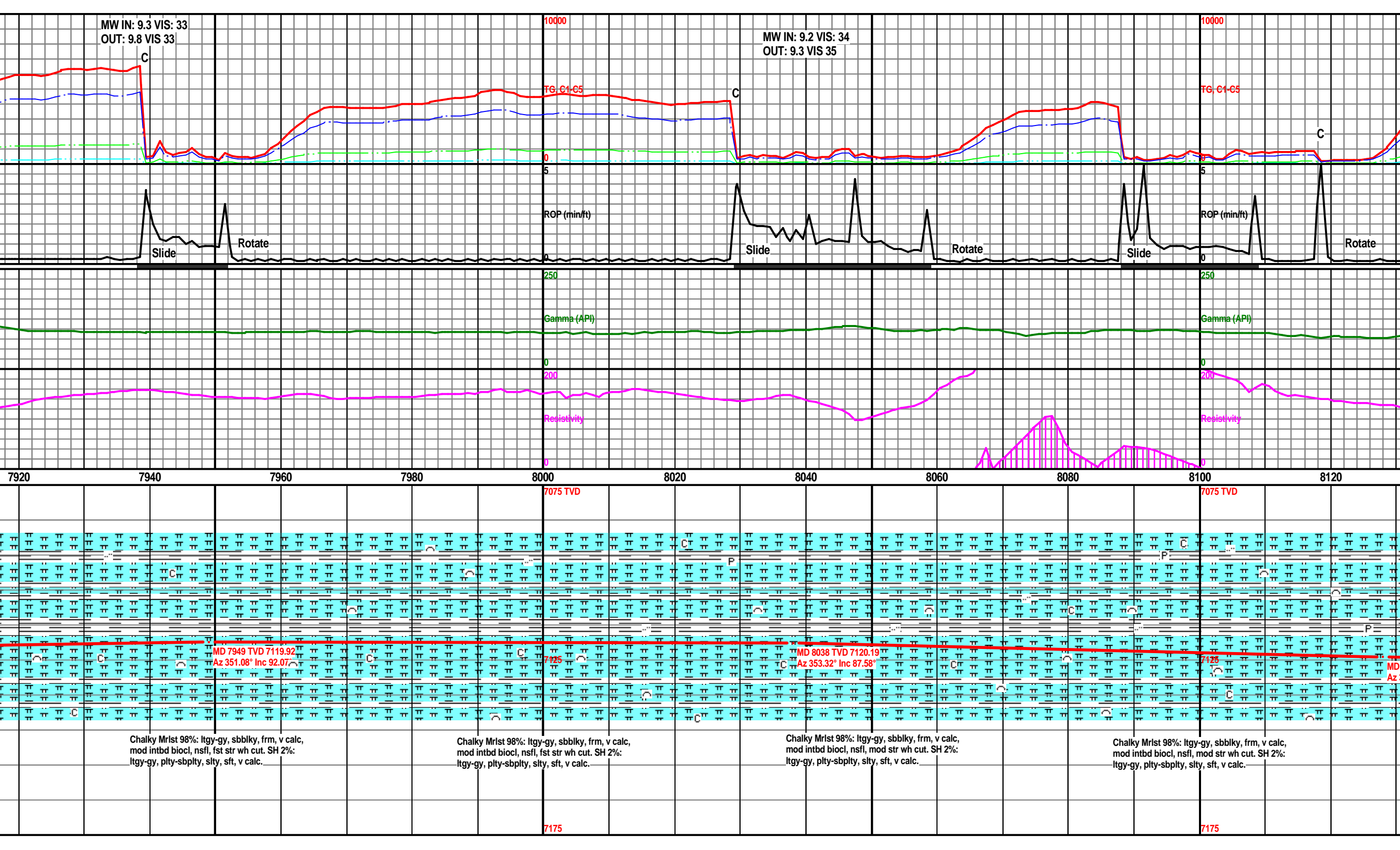
ACCESSORIES

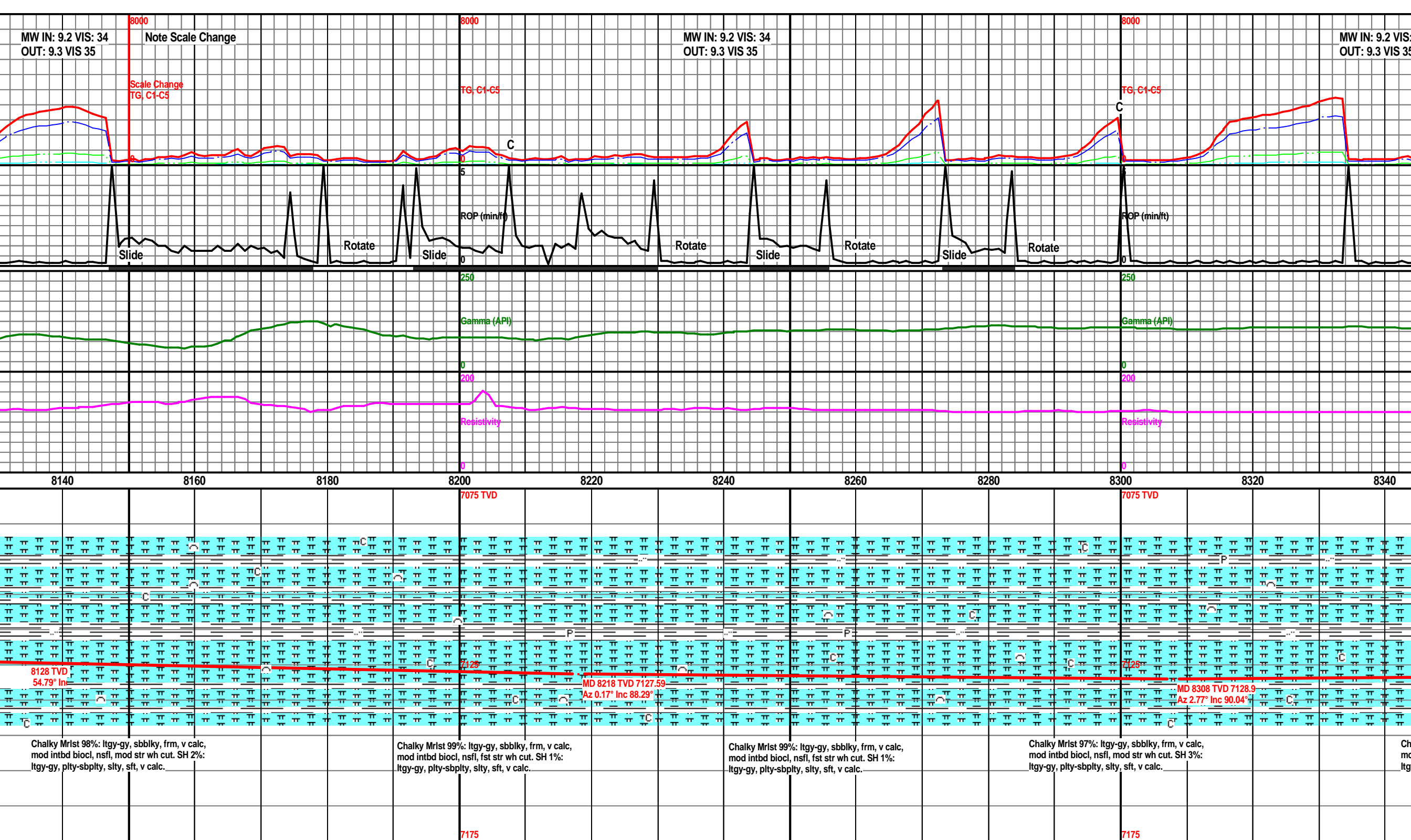
MINERAL		Hvymin		FOSSIL		Pelec		TEXTURE	
	Anhy		Hvymin		Algae		Pellect		Boundst
	Arggrn		Kaol		Amph		Pisolite		Chalky
	Arg		Marl		Belm		Plant		Cryxln
	Bent		Minxl		Bioclst		Strom		Earthy
	Bit		Nodule		Brach	STRINGER			Finexln
	Brecfrag		Phos		Bryozoa		Anhy		Grainst
	Calc		Spr calc		Cephal		Arg		Lithogr
	Carb		Pyr		Coral		Bent		Microxln
	Chtdk		Salt		Crin		Coal		Mudst
	Chtlt		Sandy		Echin		Dol		Packst
	Dol		Silt		Fish		Gyp		Wackest
	Feldspar		Sil		Foram		Ls		
	Ferrpel		Sulphur		Fossil		Mrst		
	Ferr		Tuff		Gastro		Sltstrg		
	Glau		New symbol		Oolite		Ssstrg		
	Gyp		New symbol		Ostra				

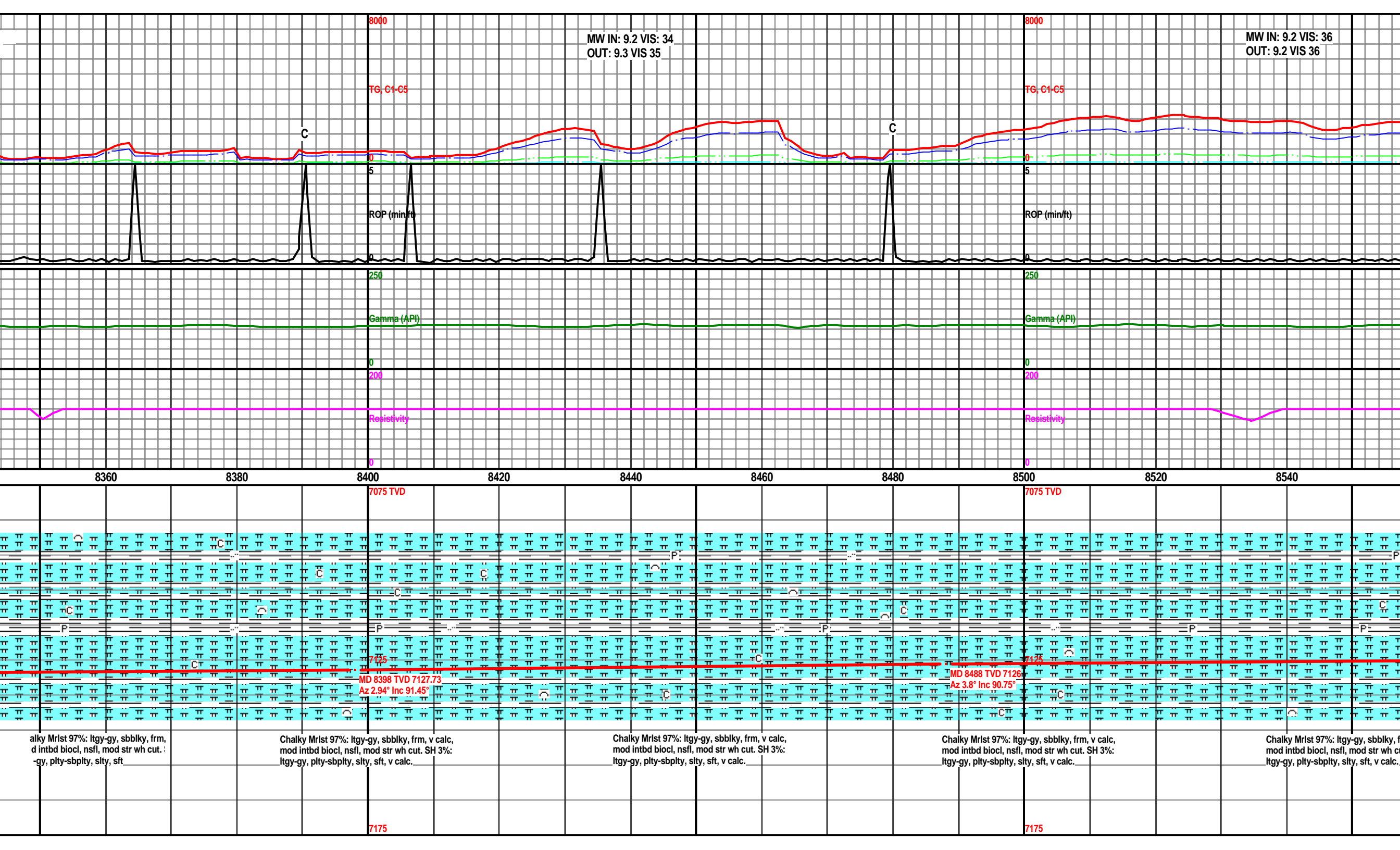












MW IN: 9.2 VIS: 34
OUT: 9.3 VIS 35

MW IN: 9.2 VIS: 36
OUT: 9.2 VIS 36

TG, C1-C5

TG, C1-C5

C

C

ROP (min/ft)

ROP (min/ft)

Gamma (API)

Gamma (API)

Resistivity

Resistivity

8360

8380

8400

8420

8440

8460

8480

8500

8520

8540

7075 TVD

7075 TVD

7125

MD 8398 TVD 7127.73
Az 2.94° Inc 91.45°

7125

MD 8488 TVD 7126
Az 3.8° Inc 90.75°

alky Mrlst 97%: ltgy-gy, sbblky, frm,
d intbd biocl, nsfl, mod str wh cut. :
-gy, plty-sbplty, slty, sft

Chalky Mrlst 97%: ltgy-gy, sbblky, frm, v calc,
mod intbd biocl, nsfl, mod str wh cut. SH 3%:
ltgy-gy, plty-sbplty, slty, sft, v calc.

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7175

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