



Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Howard Federal 40N-22HZ
 Location: Weld County, CO.
 License Number: 05123382350000
 Spud Date: 10/10/13
 Surface Coordinates: 800'FSL & 905'FEL, SEC.27, T1N-R67W
 Region: Weld County
 Drilling Completed: 11/15/13
 Bottom Hole Coordinates: 2177' FSL & 75' FEL, SEC.22, T1N-R67W
 Ground Elevation (ft): 5068' K.B. Elevation (ft): 5084'
 Logged Interval (ft): 7000' To: 7956' Total Depth (ft): 13938'
 Formation: Niobrara B
 Type of Drilling Fluid: Water Based Mud

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

OPERATOR

Company: Anadarko Petroleum Corporation
 Address: Granite Tower
 1099 18th Street, #1800
 Denver, CO 80202

GEOLOGIST

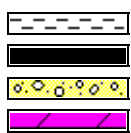
Name: Scott Crozier / Ben Thompson
 Company: Great Divide Consulting, Inc
 Address: P.O. Box 630263
 Highlands Ranch, CO 80163

Comments

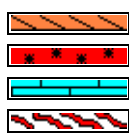
ROCK TYPES



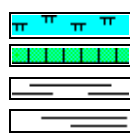
Anhy
Bent
Brec
Cht



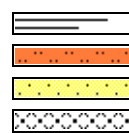
Clyst
Coal
Congl
Dol



Gyp
Igne
Lmst
Meta



Mrlst
Salt
Shale
Shcol



Shgy
Sltst
Ss
Till

ACCESSORIES
















MINERAL

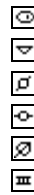
	Anhy
	Arggrn
	Arg
	Bent
	Bit
	Brecfrag
	Calc
	Carb
	Chtdk
	Chtlt
	Dol
	Feldspar
	Ferrpel
	Ferr
	Glau



Gyp
Hvymin
Kaol
Marl
Minxl
Nodule
Phos
Pyr
Salt
Sandy
Silt
Sil
Sulphur
Tuff









FOSSIL

-  **Algae**
-  **Amph**
-  **Belm**
-  **Bioclst**
-  **Brach**
-  **Bryozoa**
-  **Cephal**
-  **Coral**
-  **Crin**
-  **Echin**
-  **Fish**
-  **Foram**
-  **Fossil**
-  **Gastro**
-  **Oolite**



Ostra
Pelec
Pellet
Pisolite
Plant
Strom

STRINGER

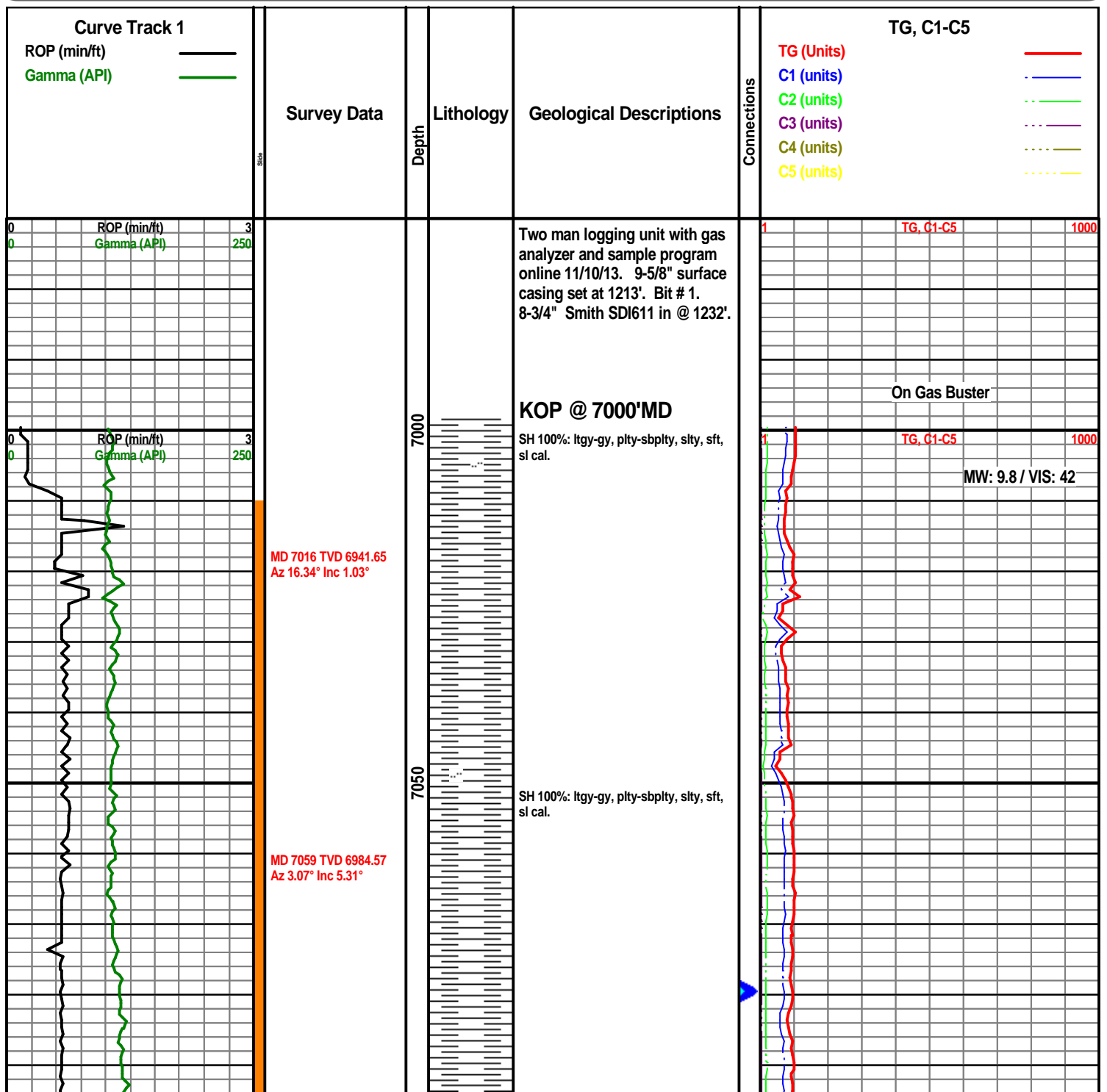
 Anhy
 Arg
 Bent
 Coal
 Dol
 Gyp
 Ls
 Mrst

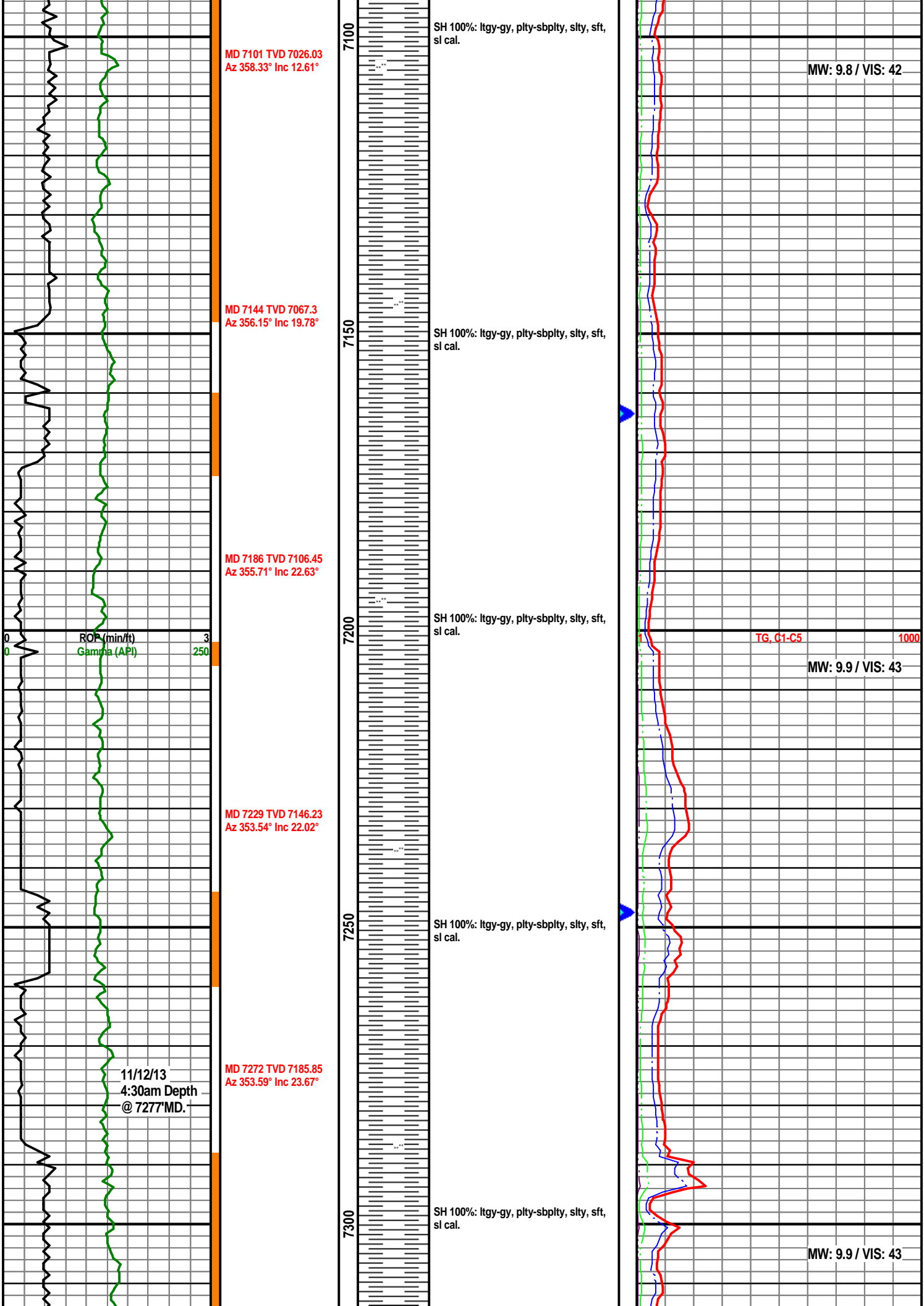


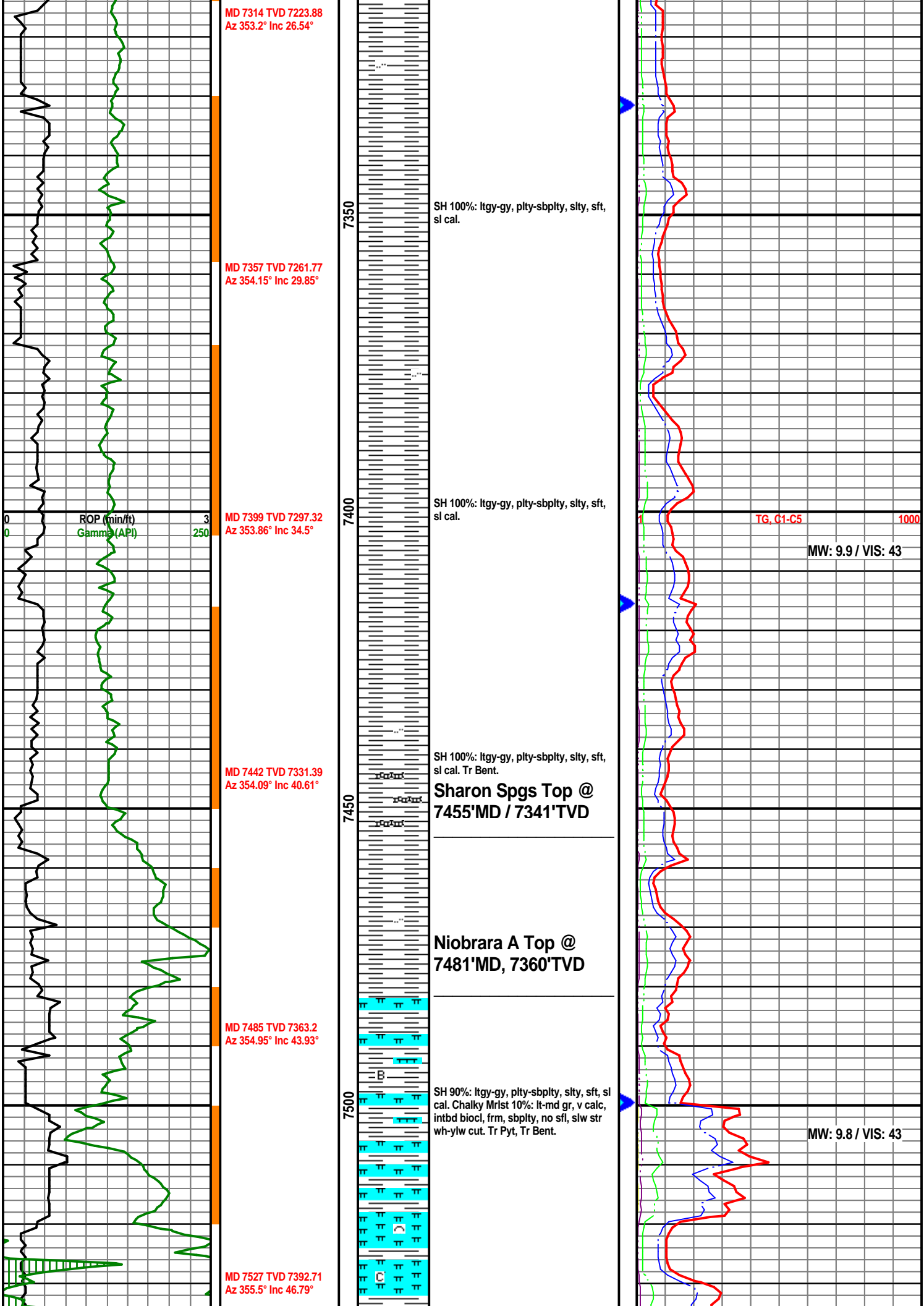
Sltstrg
Ssstrg

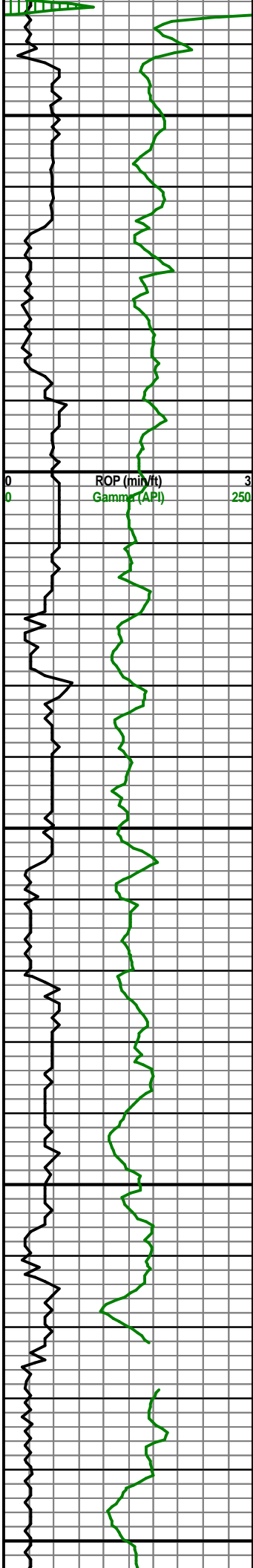
TEXTURE

BS	Boundst
C	Chalky
CX	CryxIn
E	Earthy
FX	FinexIn
GS	Grainst
L	Lithogr
MX	MicroxIn
MS	Mudst
PS	Packst
WS	Wackest









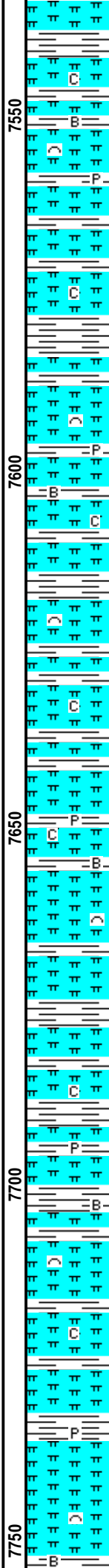
MD 7570 TVD 7421.09
Az 357.41° Inc 50.61°

MD 7613 TVD 7447.16
Az 357.64° Inc 54.73°

MD 7655 TVD 7469.67
Az 358.59° Inc 60.42°

MD 7698 TVD 7488.93
Az 358.48° Inc 66.32°

MD 7740 TVD 7504.78
Az 359.37° Inc 69.34°



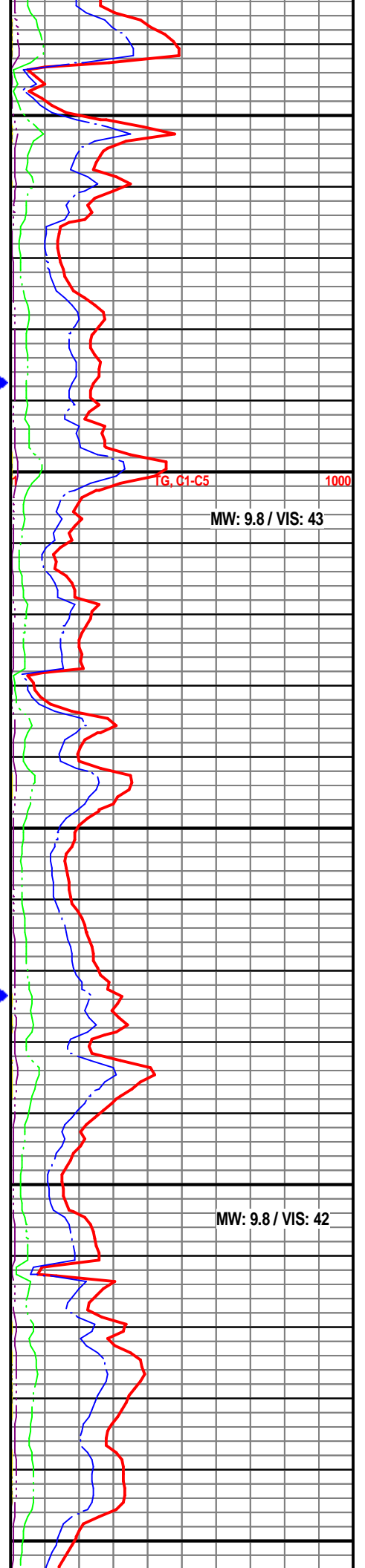
Chalky Mrlst 80%: lt-md gr, v calc, intbd biocl, frm, sbplty, no sfl, slw str wh-ylw cut. SH 20%: gy-dkgy, sft, sbplty-sbblky, slty, grty, vs cal. Tr Pyt, Tr Bent.

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IG, C1-C5

1000

MW: 9.8 / VIS: 43

MW: 9.8 / VIS: 42

