



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

Well Name: Howard 24N-22HZ
 Location: Weld County, CO.
 License Number: 05123382340000
 Spud Date: 11/2/13
 Surface Coordinates: 800'FSL & 905'FEL, SEC.27, T1N-R67W
 Region: Weld County
 Drilling Completed: 11/07/13
 Bottom Hole Coordinates: 2176'FSL & 510'FEL, SEC.27, T1N-R67W
 Ground Elevation (ft): 5068' K.B. Elevation (ft): 5084'
 Logged Interval (ft): 7280' To: 8282' Total Depth (ft): 14889'
 Formation: Codell
 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

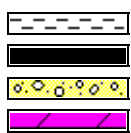
Name: Scott Crozier / Ben Thompson
 Company: Great Divide Consulting, Inc
 Address: P.O. Box 630263
 Highlands Ranch, CO 80163

Comments

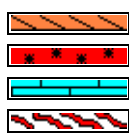
ROCK TYPES



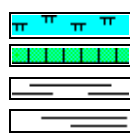
Anhy
Bent
Brec
Cht



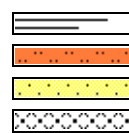
Clyst
Coal
Congl
Dol



Gyp
Igne
Lmst
Meta



Mrlst
Salt
Shale
Shcol



Shgy
Sltst
Ss
Till

ACCESSORIES

MINERAL

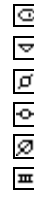
Anhy
Arggrn
Arg
Bent
Bit
Brecfrag
Calc
Carb
Chtdk
Chltt
Dol
Feldspar
Ferrpel
Ferr
Glau



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

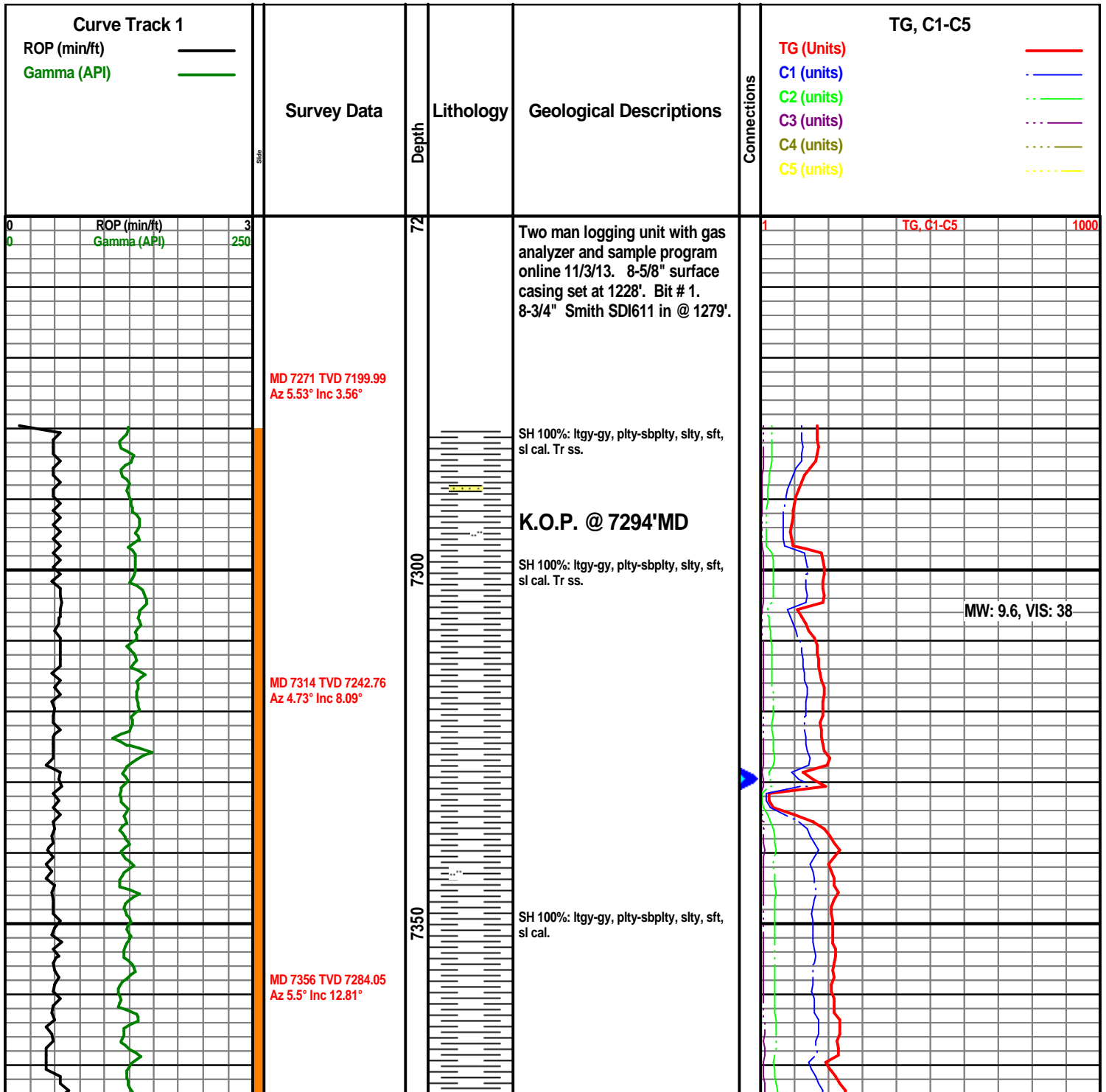
Anhy
Arg
Bent
Coal
Dol
Gyp
Ls
Mrst

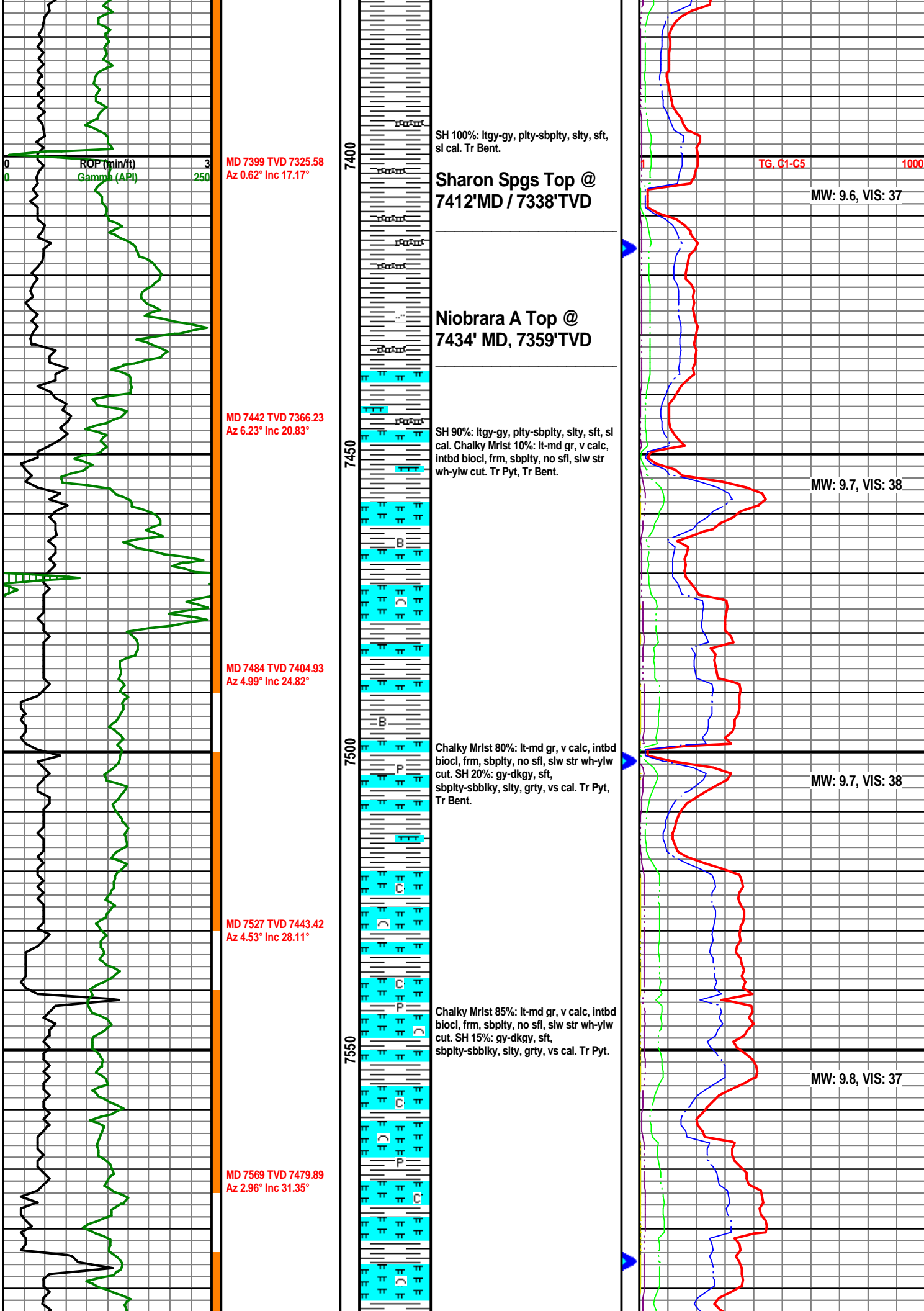


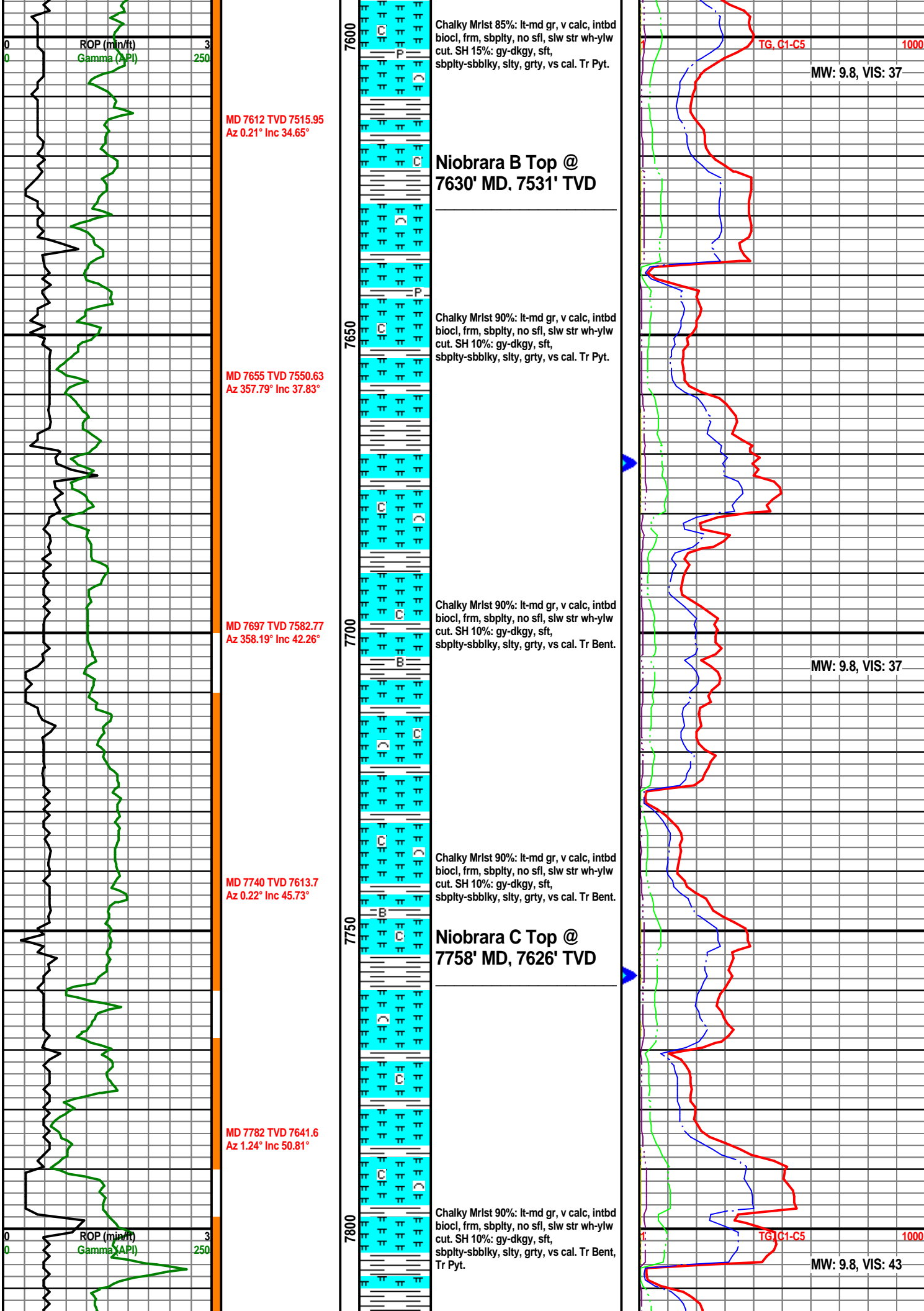
Sltstrg
Ssstrg

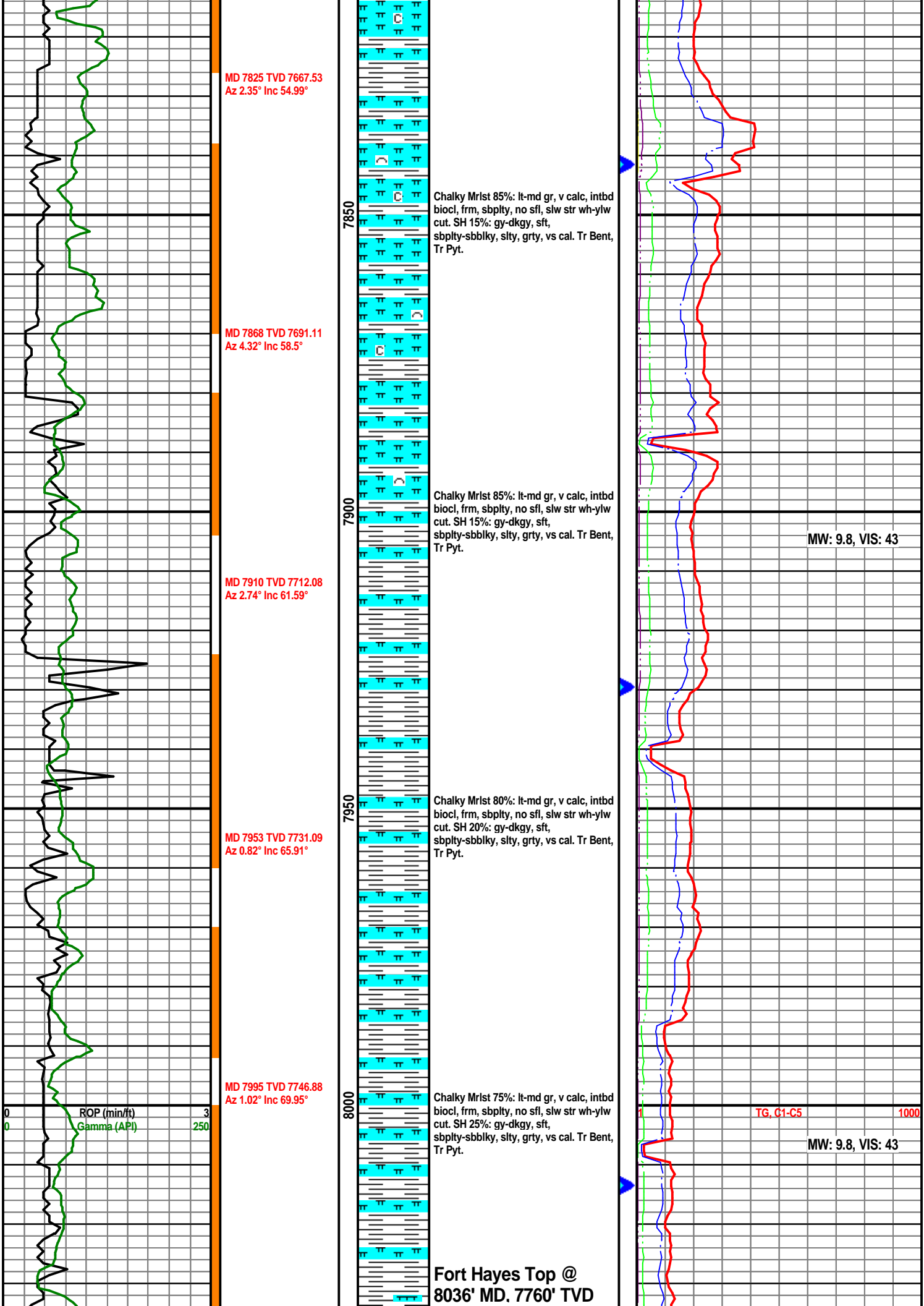
TEXTURE

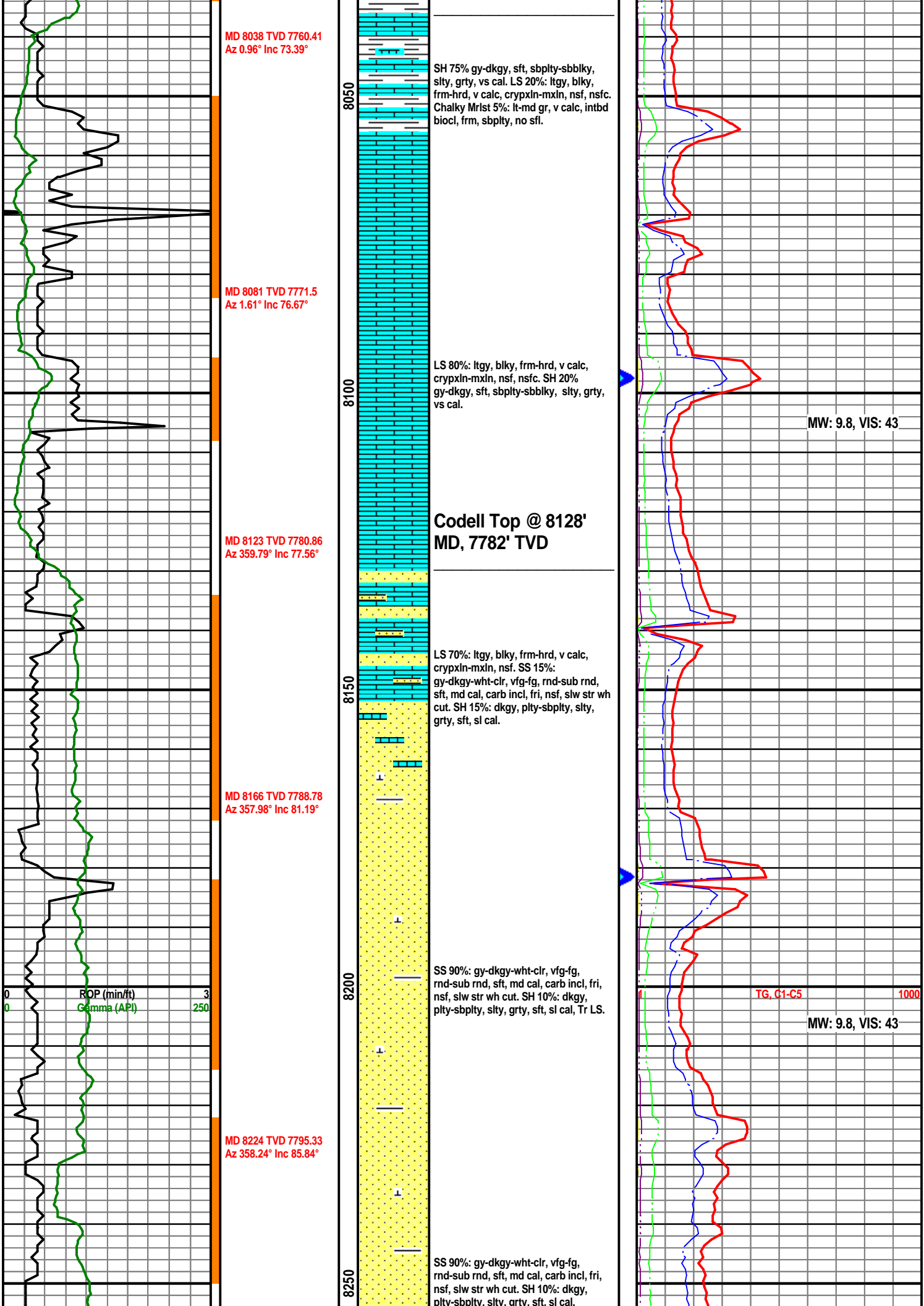
Boundst
Chalky
Cryxln
Earthy
Finexln
Grainst
Lithogr
Microxln
Mudst
Packst
Wackest

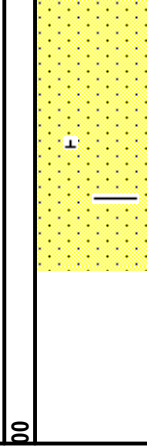
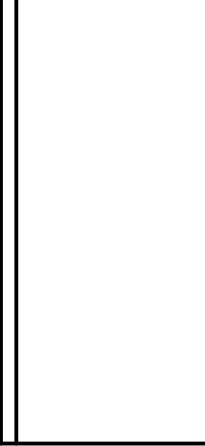
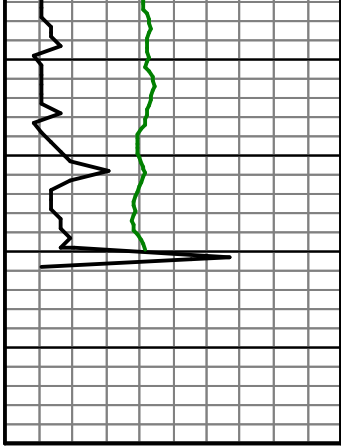




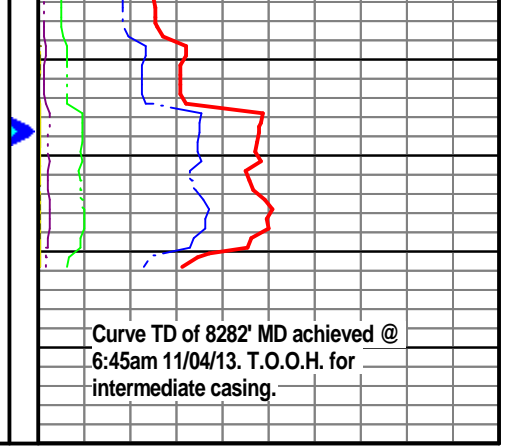








SS 90%: gy-dkgy-wht-clr, vfg-fg,
rnd-sub rnd, sft, md cal, carb incl, fri,
nsf, slw str wh cut. SH 10%: dkgy,
plty-sbplty, slty, grty, sft, sl cal.



Curve TD of 8282' MD achieved @
6:45am 11/04/13. T.O.O.H. for
intermediate casing.