

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: M&M EXPLORATION, INC.
Location: SEC. 27-33S-15W
License Number: 150-07-24149
Spud Date: 4-11-2014
Surface Coordinates: 2,000' FSL & 600', SE/4

Z-BAR 27-9
BARBER CO., KS
Region: AETNA
Drilling Completed: 4-19-2014

Bottom Hole AS ABOVE
Coordinates:
Ground Elevation (ft): 1,798' K.B. Elevation (ft): 1,808'
Logged Interval (ft): 3,900' To: 5,150' Total Depth (ft): 5,150'
Formation: PENNSYLVANIAN MISSISSIPPIAN
Type of Drilling Fluid: CHEMICAL

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: M&M Exploration, Inc.
Address: 4257 Main St.
Ste. #230
Westminster, Co. 80031

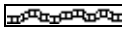
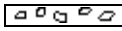
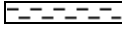
GEOLOGIST

Name: Mike Pollok
Company: MAP Exploration, Inc.
Address: PO Box 106
Purcell, OK 73080

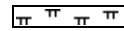
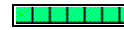
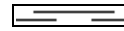
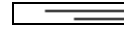
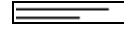
Comments

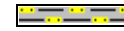
Hardt Drilling Rig #1: Samples
Mudlogging Unit # 2
Mudlogger: Bill Busch

ROCK TYPES

 Anhy
 Bent
 Brec
 Cht
 Cyst
 Coal

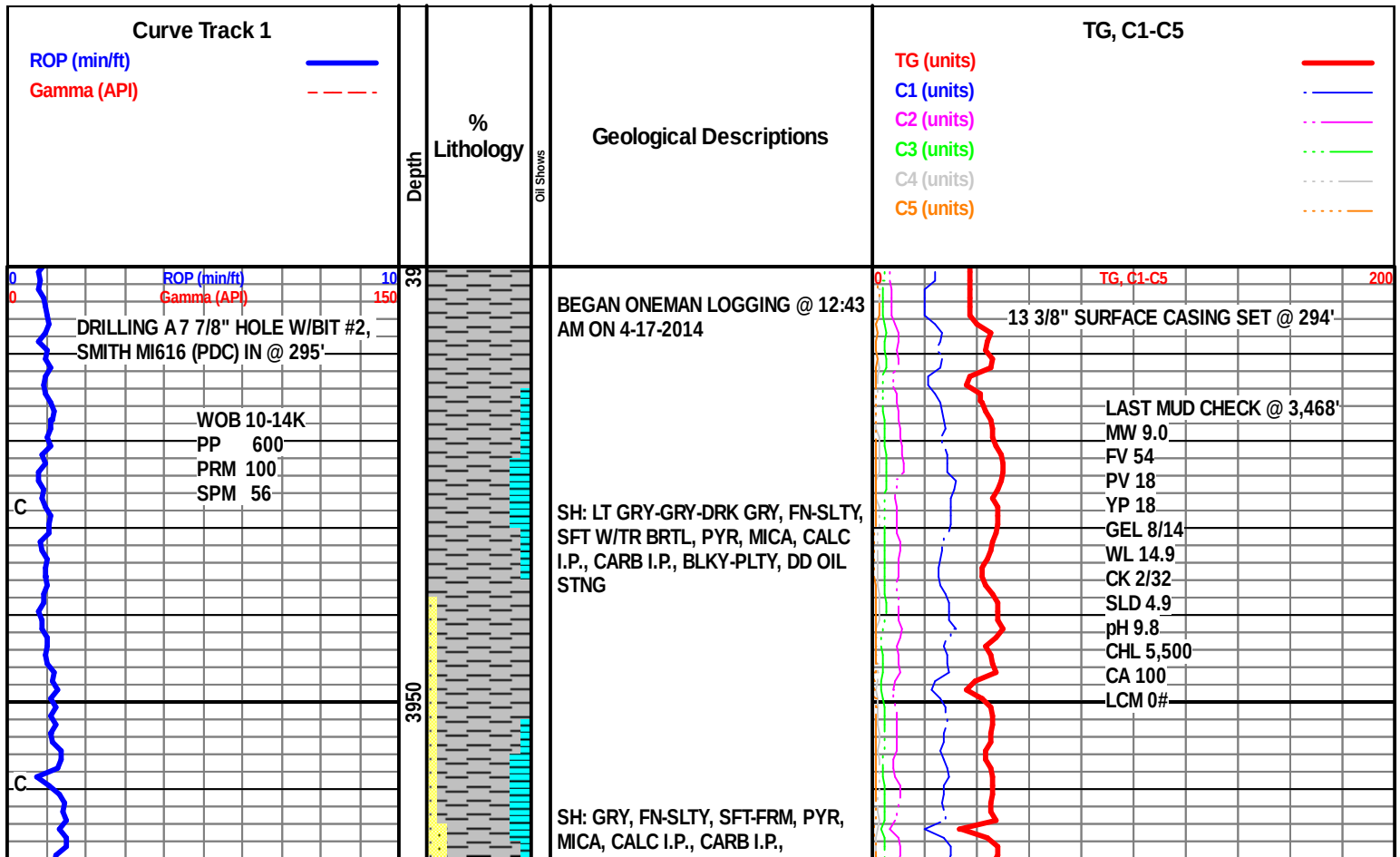
 Congl
 Dol
 Gyp
 Igne
 Lmst
 Meta

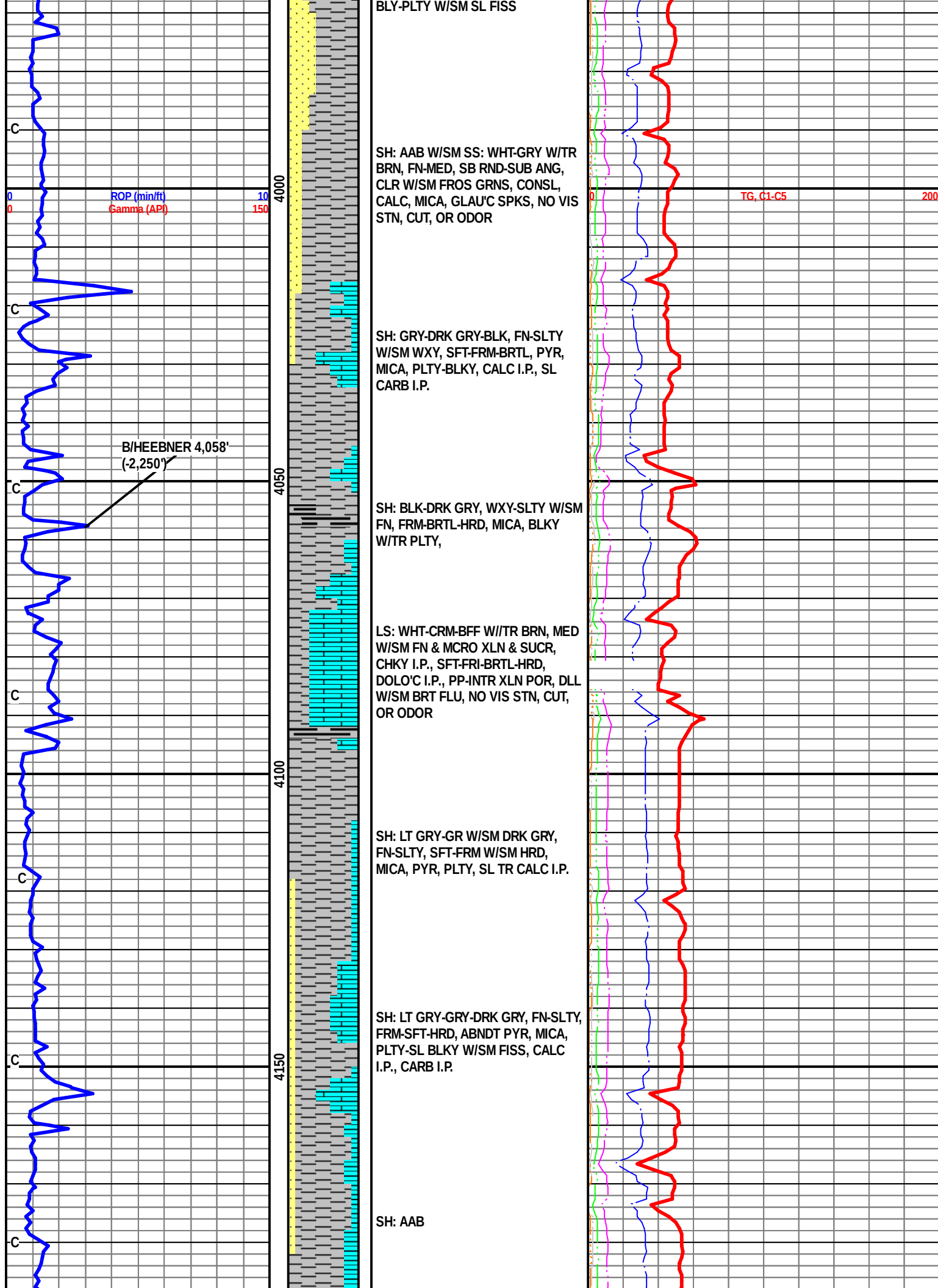
 Mrlst
 Salt
 Shale
 Shcol
 Shgy
 Sltst

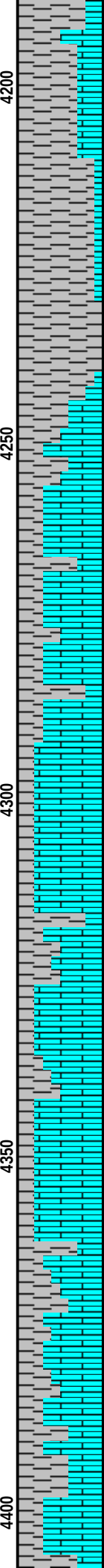
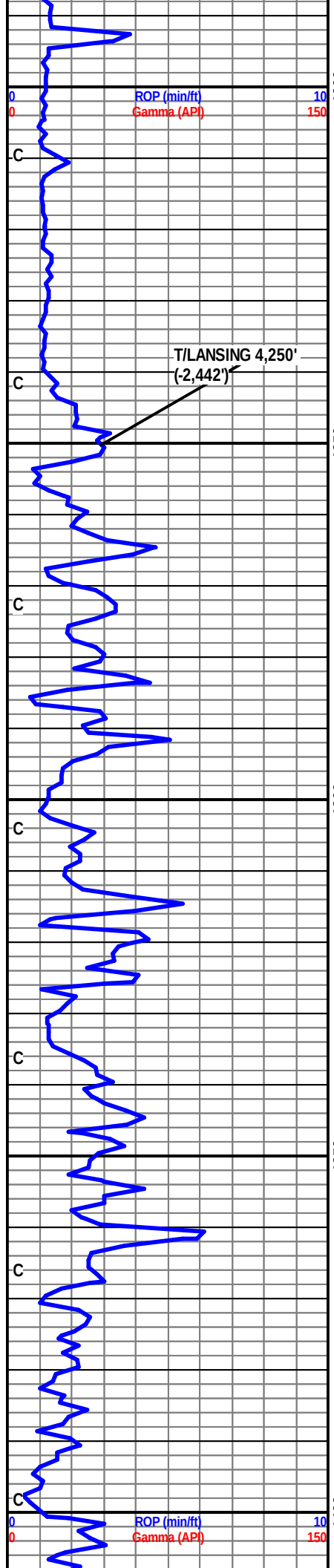
 Ss
 Till
 sdy sh
 calc sh
 shale
 carb sh

BS	Boundst
C	Chalky
CX	Cryxln
E	Earthy
FX	Finexln
GS	Grainst
L	Lithogr
MX	Microxln
MS	Mudst
PS	Packst
WS	Wackest

 Rft
 Sidewall







SH: LT GRY-GRY W/TR BLK, FN-SLTY W/TR WXY, SFT W/TR SL FRM, SM MICA, PLTY-BLKY, CALC I.P., CARB I.P.

SH: DRK GRY, FN, FRM, MICA, PYR, BLKY-SL FISS, NOT CALC

LS: CRM-BFF-BRN W/SM LT GRY, MED W/SM MCRO XLN & TR/SUCR, HRD-BRTL, ERTY I.P., DOLO'C I.P., CHKY I.P., TR CHRT, SL ARG I.P., FOSS, PP W/SM FRAC & TR INTR XLN POR, DLL FLU, NO VIS STN, CUT, OR ODOR

LS: BFF-BRN-GRY W/SM OFF WHT & WHT, MED W/SM MCRO XLN & XLN W/TR SUCR & CHKY, HRD W/SM BRTL & TR SFT, ARG I.P. W/SM IBD'D PYR, DOLO'C I.P., PP W/SM INTR XLN & TR VUG POR, DLL W/SM BRT WHT FLU, NO VIS STN, CUT, OR ODOR

LS: AAB

LS: CRM-BFF-BRN-DRK BRN, XLN-MED-SUCR, ERTY, SL CHKY I.P., CHRT, DOLO'C I.P., GD PP-GD INTR XLN POR, DLL W/TR BRT FLU, NO VIS STN, CUT, OR ODOR

LS: CRM-BFF-BRN, MED-SUCR W/SM XLN, HRD-BRTL-FRI, ERTY, TR ARG I.P., SL CHKY I.P., DOLO'C I.P., EXC PP-INTR XLN W/TR VUG POR, DLL FLU, NO VIS STN, CUT, OR ODOR

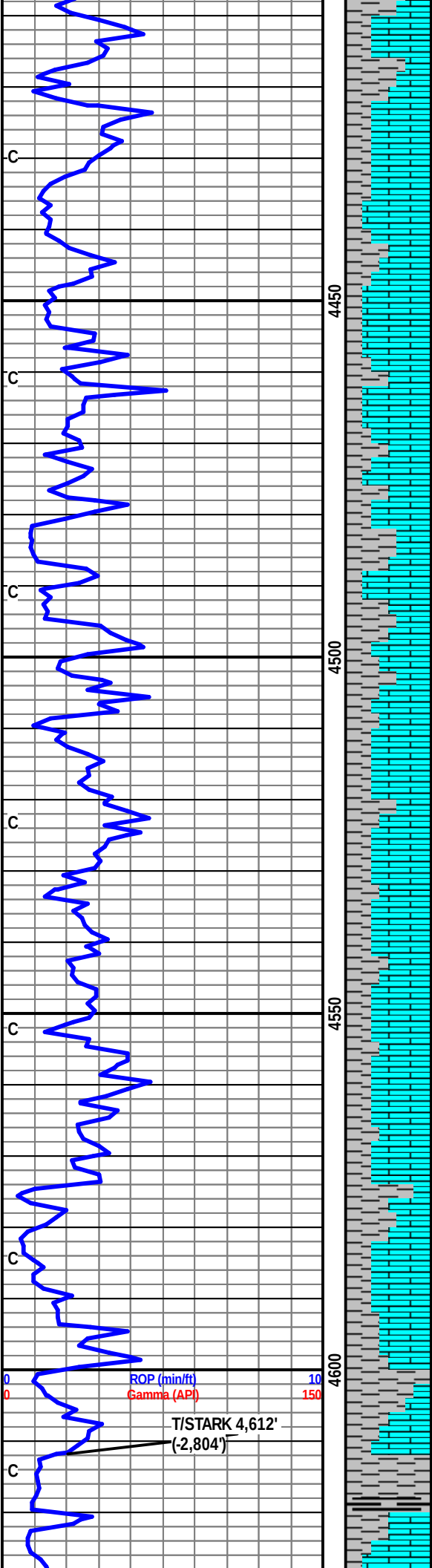
LS: CRM-BFF W/SM BRN.

TG, C1-C5 200

WOB 14K
PP 725
RPM 85
SPM 60

MUD CHECK @ 4,266'
MW 9.1
FV 54
PV 19
YP 15
GEL 6/11
WL 10.3
CK 2/32
SLD 5.2
pH 10
CHL 4,200
CA 60
LCM 0#

TG, C1-C5 200



MED-XLN-SUCR, FRI-HRD W/SM
BRTL, ERTY, PYR, MLD'C, DOLO'C
I.P., EXC PP-INTR XLN-VUG POR,
DLL FLU, NO VIS STN, CUT, OR
ODOR

LS: CRM-BFF-BRN W/SM WHT,
MED-SUCR W/TR XLN, FRI-BRTL,
ERTY, TR CHKY I.P., EXC PP-INTR
XLN W/SM VUG POR, DLL W/SM
BRT FLU, NO VIS STN, CUT, OR
ODOR

LS: CRM-BFF W/SM GRY & BRN,
MED W/SM FN, FRI-HRD, ERTY I.P.,
SL ARG I.P., EXC PP W/TR VUG
POR, DLL FLU, NO VIS STN, CUT,
OR ODOR

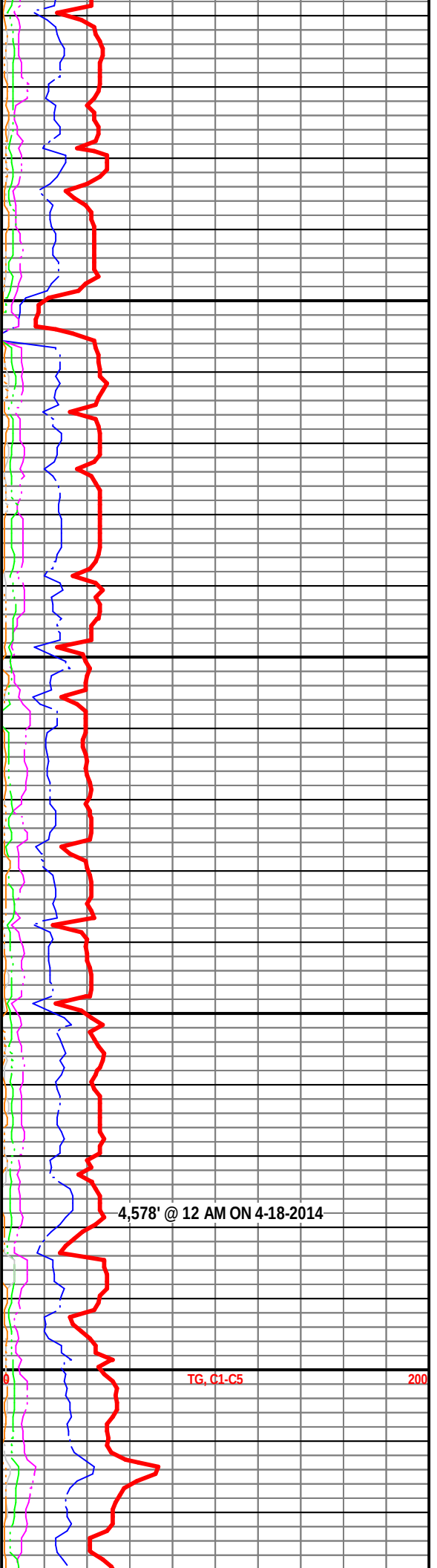
LS: CRM-BFF W/SM BRN, MED-SUCR
W/SM MCRO XLN -XLN-CHKY,
FRI-HRD-BRTL W/SM SFT, ERTY I.P.,
MLD'C I.P., DOLO'C I.P., CHRT, GD
PP WSM VUG POR, DLL FLU, NO
VIS STN, CUT, OR ODOR

LS: CRM-BFF-BRN-DRK BRN, MED
W/SM MCRO XLN, FRM-BRTL-HRD,
CHKY I.P., ARG I.P., DOLO'C I.P., PP
W/SM FRAC POR, DLL FLU, NO VIS
STN, CUT, OR ODOR

LS: AAB W/SM CHRT

LS: BRN-BFF W/SM CRM, MED-SL
SUCR W/SM MCRO XLN, SL MLD'C,
CHKY I.P., SM CHRT, PYR, PP-INTR
XLN POR, DLL FLU, NO VIS STN,
CUT, OR ODOR

SH: BLK-DRK GRY, FN-WXY,
FRM-HRD, IMB'D CALC, MICA, BLKY
W/SM SPL, CALC I.P., CARB I.P.



4,578' @ 12 AM ON 4-18-2014

TG, C1-C5

200

