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

Well Name:	**CIRCLE N TRUST # 1-6 (SE)**		
API:	**#15-069-20,481-00-00**		
Location:	**NE-SW-NW-SE 1/4 of SEC. 6 - 28 S. - 30 W.**		
License Number:	**KCC # 5316**	**Region:**	**GRAY CO., KS.**
Spud Date:	**08/25/2014**	**Drilling Completed:**	
Surface Coordinates:	**1850' FSL & 2175' FEL**		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**2828'**	**K.B. Elevation (ft):**	**2838'**
Logged Interval (ft):	**To:**	**Total Depth (ft):**	
Formation:			
Type of Drilling Fluid:	**CHEMICAL/POLYMER/GEL. & MUD DISPLACEMENT @ 2949'.**		

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

OPERATOR

Company: Falcon Exploration, Inc. KCC KCC. # 5316
Address: 125 North Market Street, Ste. #1252
Wichita, Kansas 67202

GEOLOGIST

Name: David P. Williams, P.G.
Company: DW Energy, LLC (DWE)
Address: 312 North Broadview Street
Wichita,Kansas 67208

CASING & DEVIATION

Surface Casing: Spud at 2:30 AM on 08/25/14. Drilled 12-1/4" to 1845'. Ran 43 joints of new 24#, 8-5/8" casing. Tallied 1826'. Set at 1840' KB . Welded straps on GS & bottom 3 joints, then tack welded all collars. Cemented with 460 sksA-Conn; 3% CC, 1/4# FS. Tailed with 150 sks Premium. Cement did circulate. Plug down at 10:45 PM on 08/27/14 Basic Energy Svcs Cementing ticket #06107. Centralozers (6) 3;14;16;27;33;38. Baskets (3) 3;17;22.

DSTs

Comments

ROCK TYPES

Anhy
Bent
Brec
Carb sh
Cht
Clyst
Coal
Congl
Dol
Grn sh
Gry shale
Gyp
Igne
Lmst
Meta
Mrlst
Red shale
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
Fuss
Gastro
Oolite
Oomold
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

OTHER SYMBOLS

POROSITY

Earthy
Fenest
Fracture
Inter
Moldic
Organic
Pinpoint
Vuggy

SORTING

Well
Moderate
Poor

ROUNDING

Rounded
Subrnd
Subang
Angular

OIL SHOW

Gas show

Even
Spotted
Ques
Dead

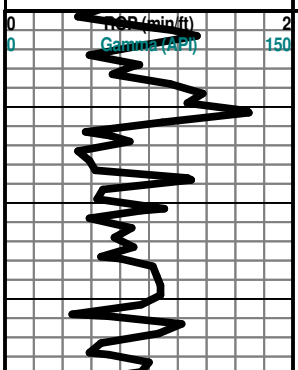
INTERVAL

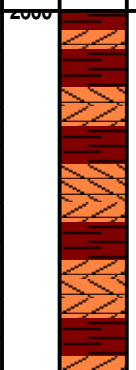
Dst
Dst_alt

EVENT

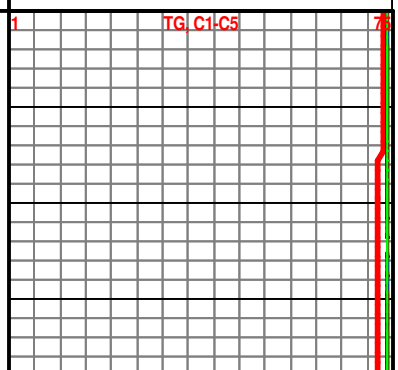
Rft
Sidewall

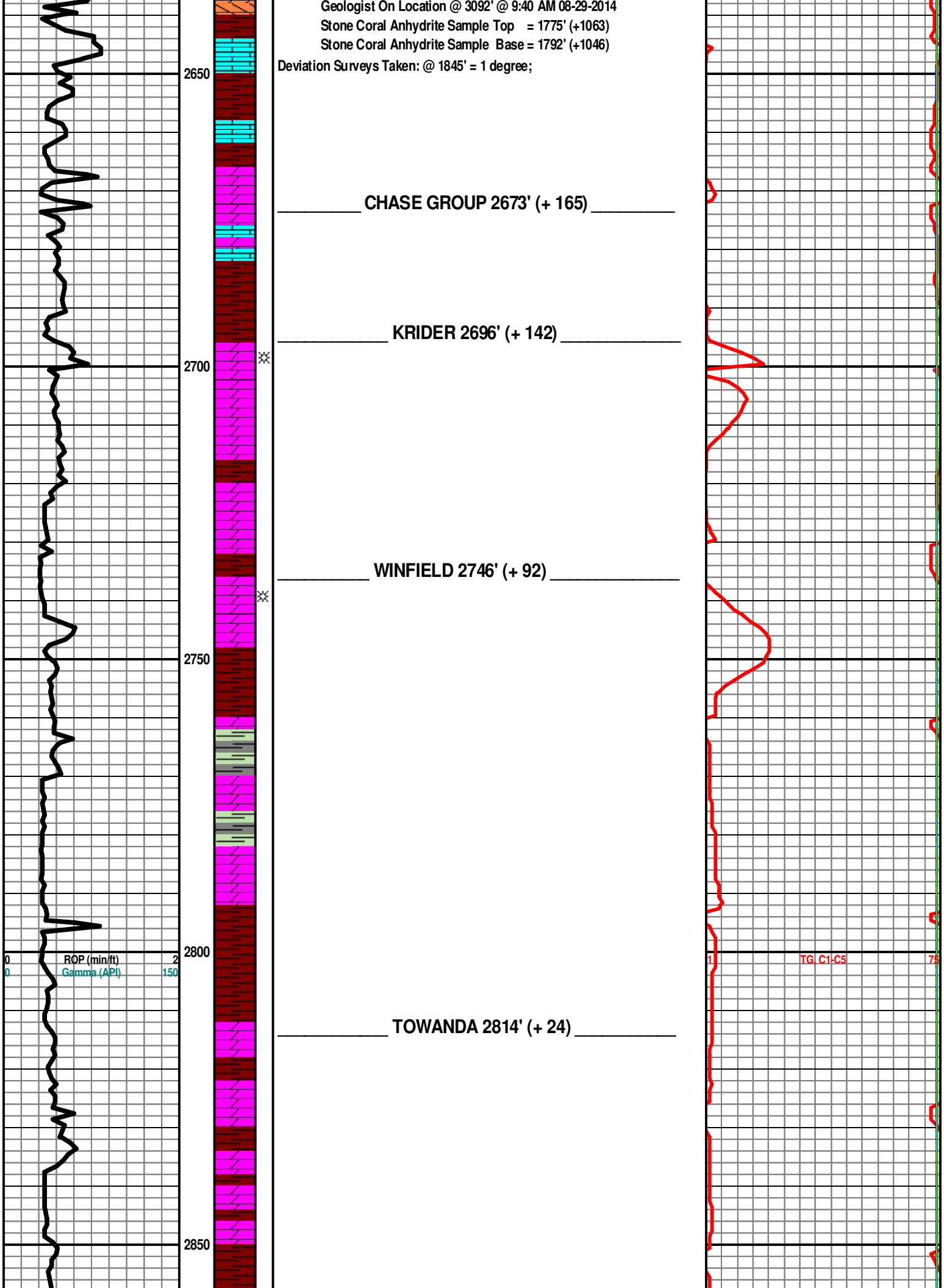
Curve Track 1	Depth	Lithology	Oil Shows	Geological Descriptions	TG, C1-C5
ROP (min/ft) Gamma (API)					TG (Units) C1 (units) C2 (units) C3 (units) C4 (units)

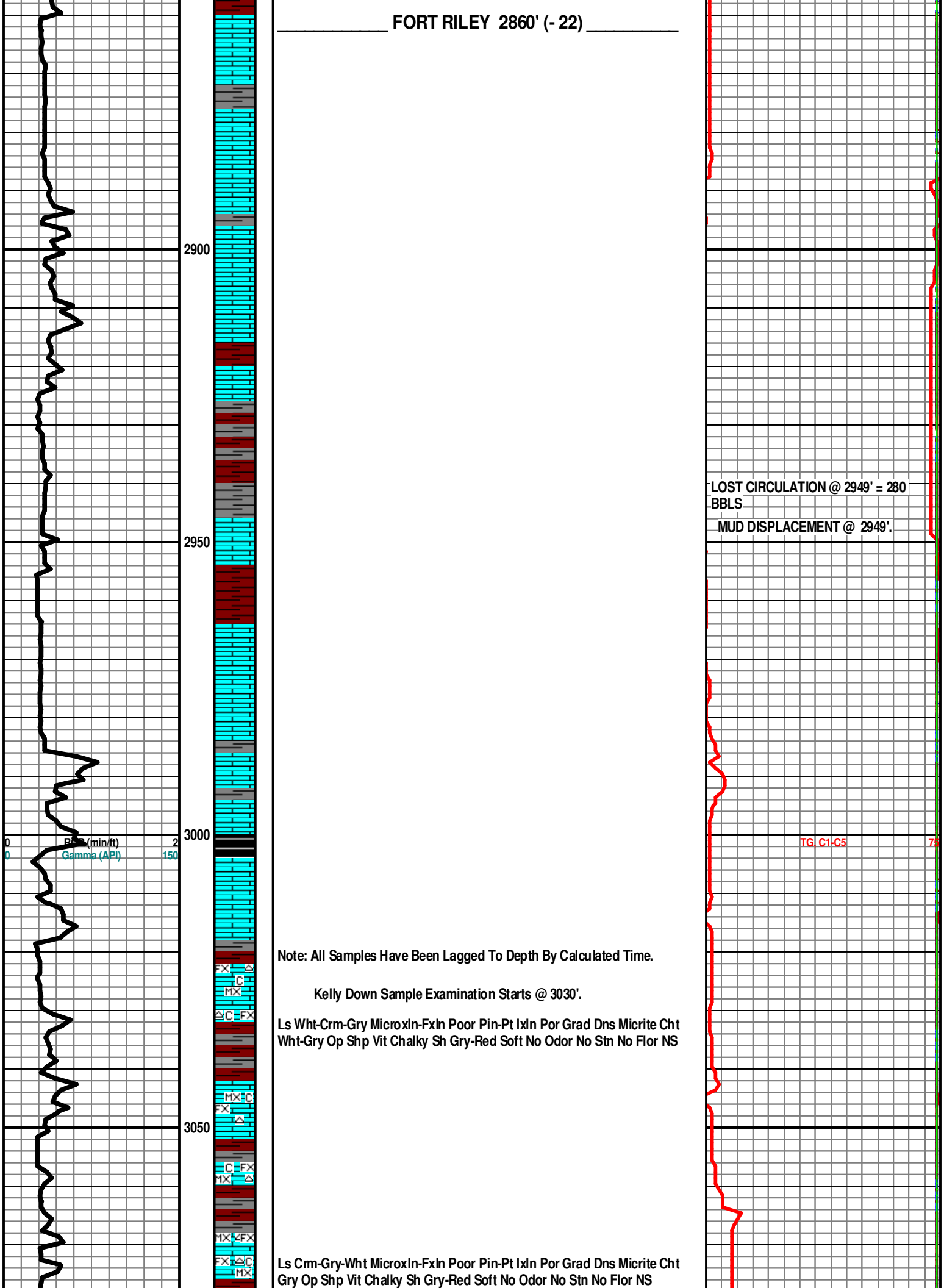


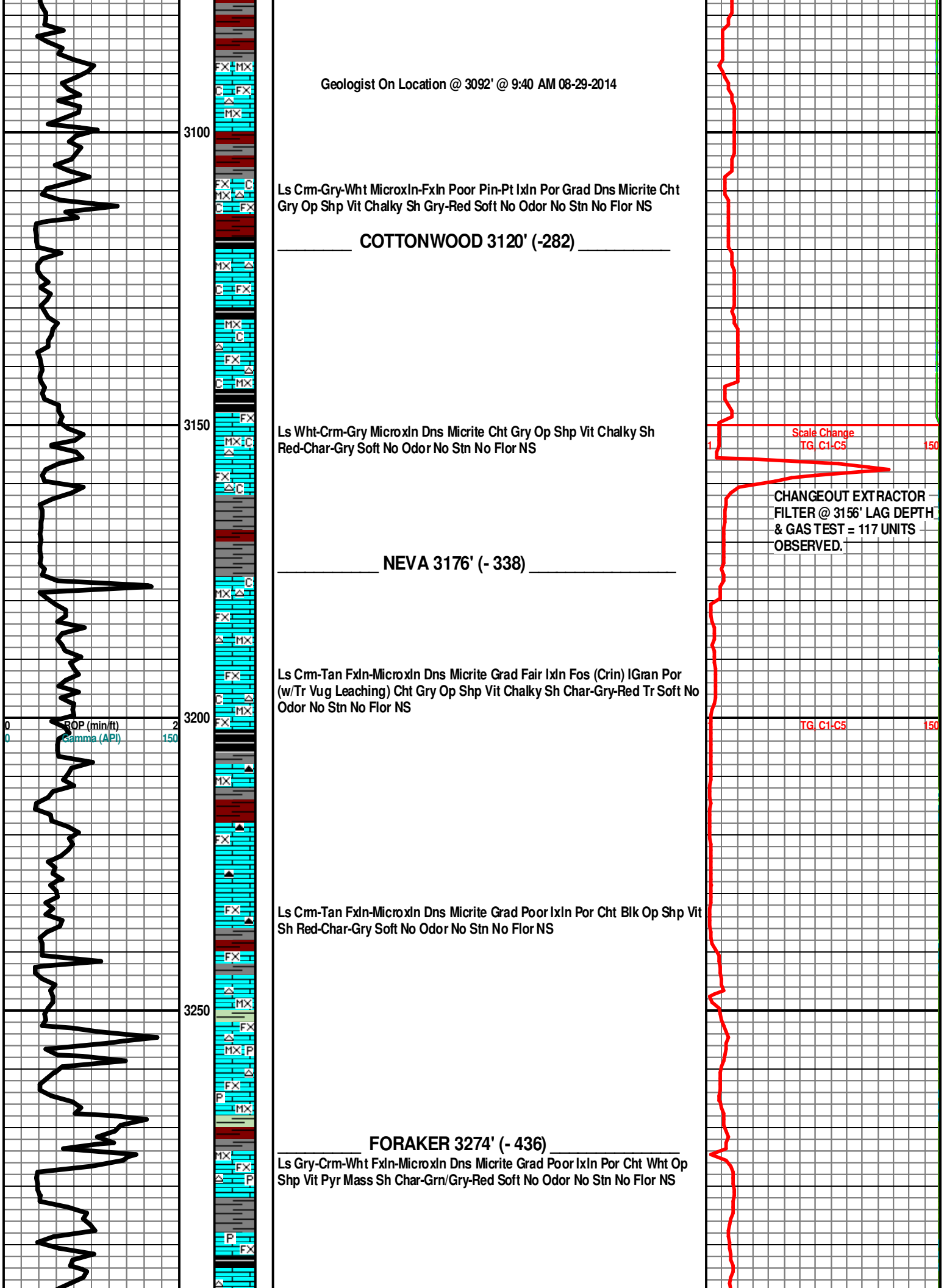


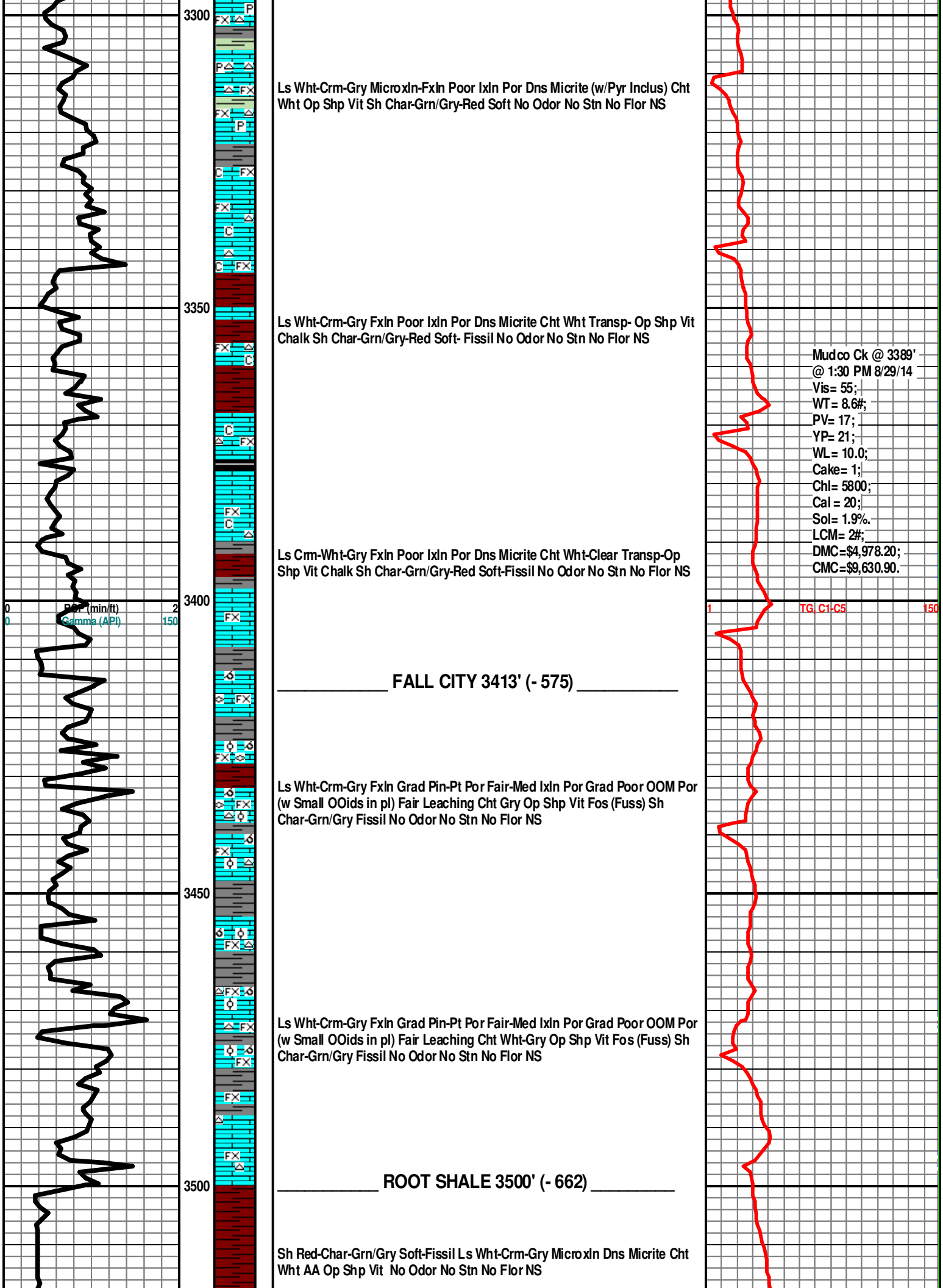
FALCON EXPLORATION, INC.
CIRCLE N TRUST # 1-6 (SE)
NE-SW-NW-SE 1/4
1850' FSL & 2175' FEL
SEC. 6 - 28 S. - 30 W.
GRAY COUNTY, KANSAS
A.P.I. #15-069-20,481-00-00
ELEVATION : 2838' K.B. ; 2828' G.L
CONTRACTOR: STERLING DRILLING RIG # 2
GEOLOGIST: DAVID P. WILLIAMS, P.G

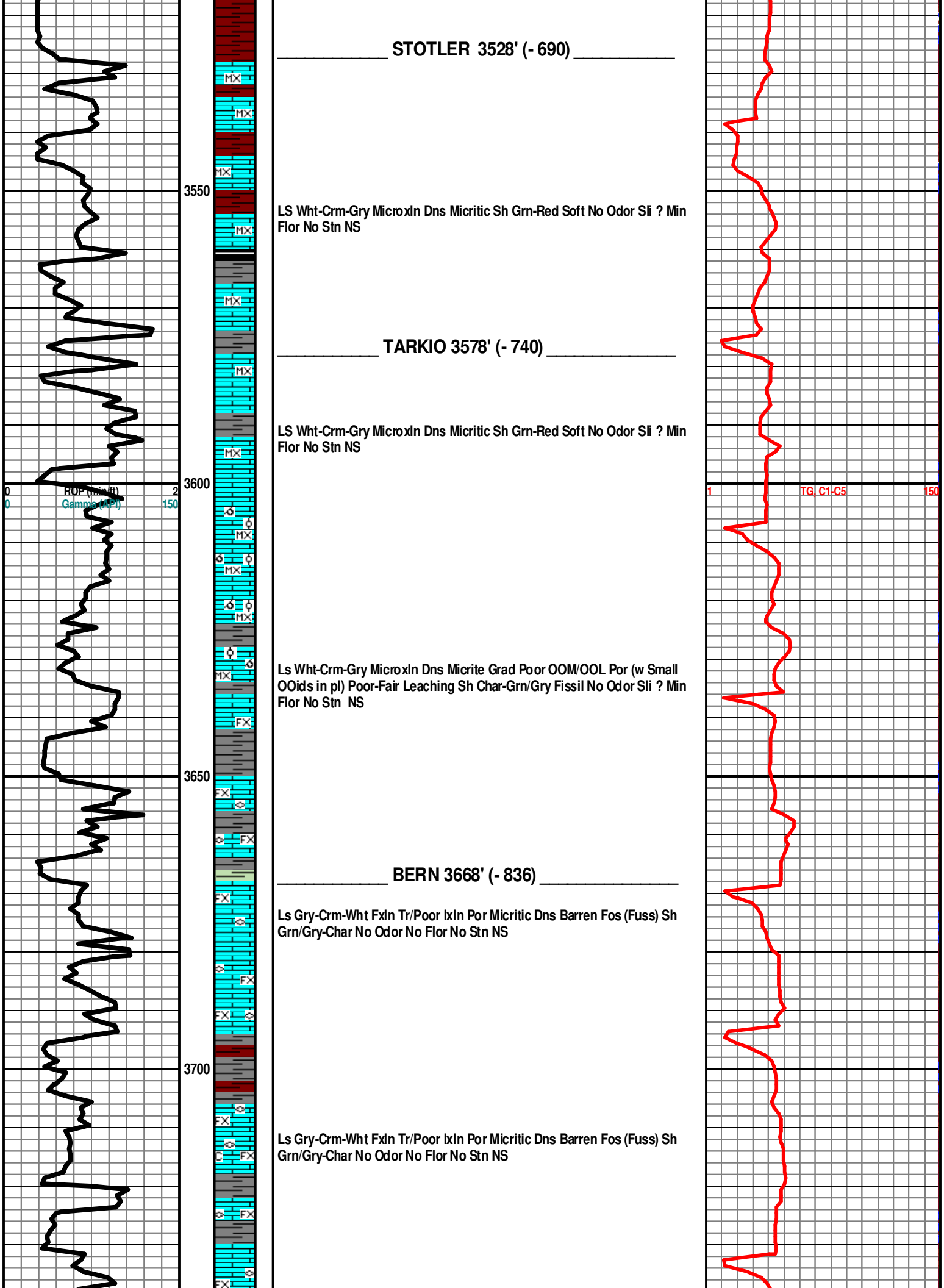


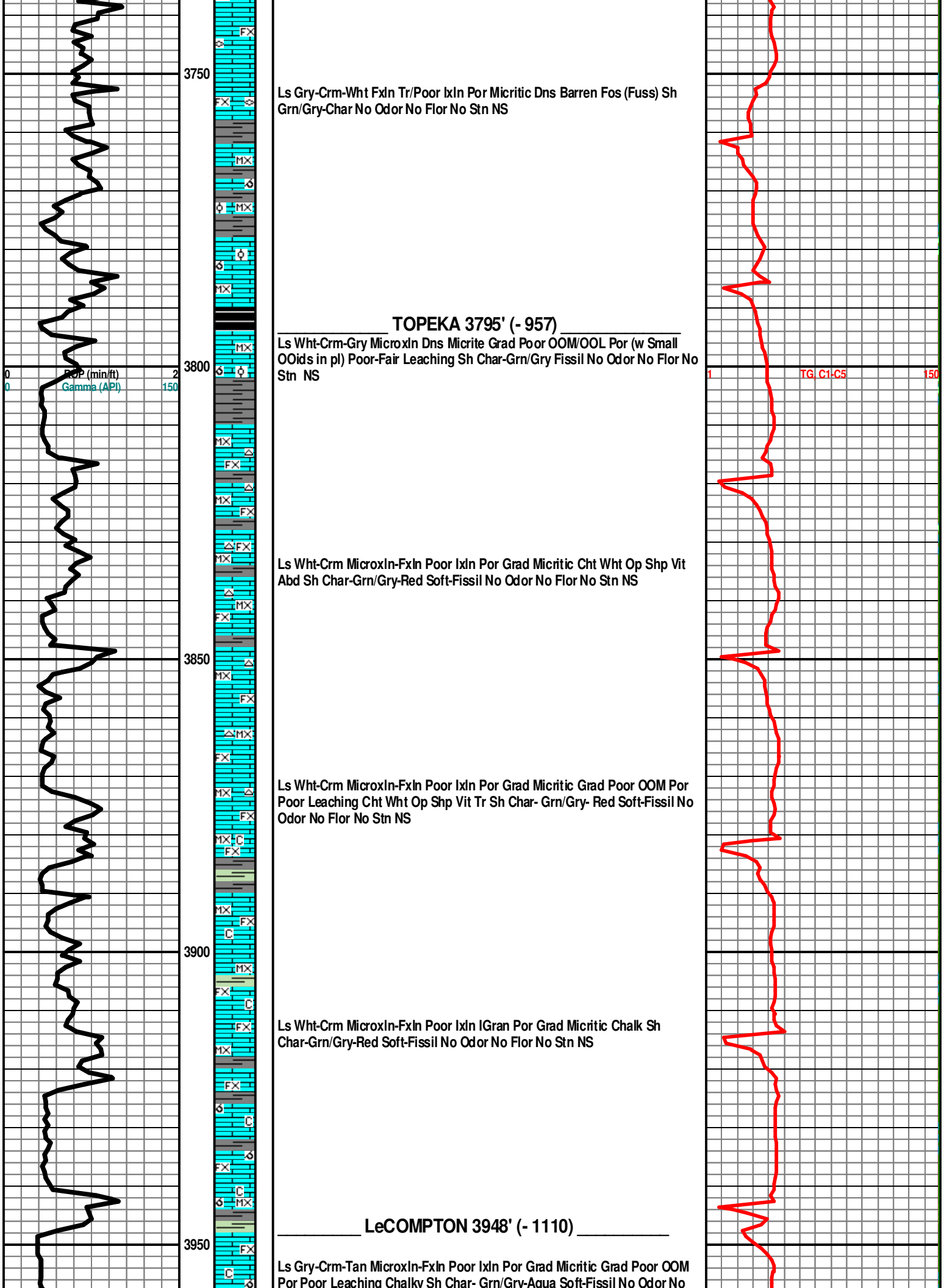

Geologist On Location @ 3092' @ 9:40 AM 08-29-2014
Stone Coral Anhydrite Sample Top = 1775' (+1063)
Stone Coral Anhydrite Sample Base = 1792' (+1046)
Deviation Surveys Taken: @ 1845' = 1 degree;
2650
CHASE GROUP 2673' (+ 165)
2700
KRIDER 2696' (+ 142)
WINFIELD 2746' (+ 92)
2750
2800
TOWANDA 2814' (+ 24)
2850
0
ROP (min/ft)
2
0
Gamma (API)
150
1
TG_C1-C5
75


FORT RILEY 2860' (- 22)
2900
2950
3000
3050
0
ROP (min/ft)
2
0
Gamma (API)
150
LOST CIRCULATION @ 2949' = 280 BBLS
MUD DISPLACEMENT @ 2949'.
TG, C1-C5
Note: All Samples Have Been Lagged To Depth By Calculated Time.
Kelly Down Sample Examination Starts @ 3030'.
Ls Wht-Crm-Gry Microxln-Fxln Poor Pin-Pt Ixln Por Grad Dns Micrite Cht Wht-Gry Op Shp Vit Chalky Sh Gry-Red Soft No Odor No Stn No Flor NS
Ls Crm-Gry-Wht Microxln-Fxln Poor Pin-Pt Ixln Por Grad Dns Micrite Cht Gry Op Shp Vit Chalky Sh Gry-Red Soft No Odor No Stn No Flor NS


Geologist On Location @ 3092' @ 9:40 AM 08-29-2014
3100
Ls Crm-Gry-Wht Microxln-Fxln Poor Pin-Pt Ixln Por Grad Dns Micrite Cht Gry Op Shp Vit Chalky Sh Gry-Red Soft No Odor No Stn No Flor NS
COTTONWOOD 3120' (-282)
3150
Ls Wht-Crm-Gry Microxln Dns Micrite Cht Gry Op Shp Vit Chalky Sh Red-Char-Gry Soft No Odor No Stn No Flor NS
Scale Change
TG, C1-C5
1
150
CHANGEOUT EXTRACTOR FILTER @ 3156' LAG DEPTH & GAS TEST = 117 UNITS OBSERVED.
NEVA 3176' (- 338)
Ls Crm-Tan Fxln-Microxln Dns Micrite Grad Fair Ixln Fos (Crin) lGran Por (w/Tr Vug Leaching) Cht Gry Op Shp Vit Chalky Sh Char-Gry-Red Tr Soft No Odor No Stn No Flor NS
3200
0
ROP (min/ft)
2
0
Gamma (API)
150
TG, C1-C5
150
Ls Crm-Tan Fxln-Microxln Dns Micrite Grad Poor Ixln Por Cht Blk Op Shp Vit Sh Red-Char-Gry Soft No Odor No Stn No Flor NS
3250
FORAKER 3274' (- 436)
Ls Gry-Crm-Wht Fxln-Microxln Dns Micrite Grad Poor Ixln Por Cht Wht Op Shp Vit Pyr Mass Sh Char-Grn/Gry-Red Soft No Odor No Stn No Flor NS


3300
3350
3400
3450
3500
0
ROP (min/ft)
2
0
Gamma (API)
150
1
TG, C1-C5
150
Ls Wht-Crm-Gry Microxln-Fxln Poor Ixln Por Dns Micrite (w/Pyr Inclus) Cht Wht Op Shp Vit Sh Char-Grn/Gry-Red Soft No Odor No Stn No Flor NS
Ls Wht-Crm-Gry Fxln Poor Ixln Por Dns Micrite Cht Wht Transp- Op Shp Vit Chalk Sh Char-Grn/Gry-Red Soft- Fissil No Odor No Stn No Flor NS
Mudco Ck @ 3389'
@ 1:30 PM 8/29/14
Vis= 55;
WT= 8.6#;
PV= 17;
YP= 21;
WL= 10.0;
Cake= 1;
Chl= 5800;
Cal= 20;
Sol= 1.9%.
LCM= 2#;
DMC=$4,978.20;
CMC=$9,630.90.
Ls Crm-Wht-Gry Fxln Poor Ixln Por Dns Micrite Cht Wht-Clear Transp-Op Shp Vit Chalk Sh Char-Grn/Gry-Red Soft-Fissil No Odor No Stn No Flor NS
FALL CITY 3413' (- 575)
Ls Wht-Crm-Gry Fxln Grad Pin-Pt Por Fair-Med Ixln Por Grad Poor OOM Por (w Small OOids in pl) Fair Leaching Cht Gry Op Shp Vit Fos (Fuss) Sh Char-Grn/Gry Fissil No Odor No Stn No Flor NS
Ls Wht-Crm-Gry Fxln Grad Pin-Pt Por Fair-Med Ixln Por Grad Poor OOM Por (w Small OOids in pl) Fair Leaching Cht Wht-Gry Op Shp Vit Fos (Fuss) Sh Char-Grn/Gry Fissil No Odor No Stn No Flor NS
ROOT SHALE 3500' (- 662)
Sh Red-Char-Grn/Gry Soft-Fissil Ls Wht-Crm-Gry Microxln Dns Micrite Cht Wht AA Op Shp Vit No Odor No Stn No Flor NS


STOTLER 3528' (- 690)
LS Wht-Crm-Gry Microxln Dns Micritic Sh Grn-Red Soft No Odor Sli ? Min Flor No Stn NS
TARKIO 3578' (- 740)
LS Wht-Crm-Gry Microxln Dns Micritic Sh Grn-Red Soft No Odor Sli ? Min Flor No Stn NS
Ls Wht-Crm-Gry Microxln Dns Micrite Grad Poor OOM/OOL Por (w Small OOids in pl) Poor-Fair Leaching Sh Char-Grn/Gry Fissil No Odor Sli ? Min Flor No Stn NS
BERN 3668' (- 836)
Ls Gry-Crm-Wht Fxln Tr/Poor Ixln Por Micritic Dns Barren Fos (Fuss) Sh Grn/Gry-Char No Odor No Flor No Stn NS
Ls Gry-Crm-Wht Fxln Tr/Poor Ixln Por Micritic Dns Barren Fos (Fuss) Sh Grn/Gry-Char No Odor No Flor No Stn NS
3550
3600
3650
3700
0
ROP (min/ft)
2
0
Gamma (API)
150
1
TG, C1-C5
150
MX
FX



Ls Gry-Crm-Wht Fxln Tr/Poor Ixln Por Micritic Dns Barren Fos (Fuss) Sh Grn/Gry-Char No Odor No Flor No Stn NS

TOPEKA 3795' (- 957)

Ls Wht-Crm-Gry Microxln Dns Micrite Grad Poor OOM/OOL Por (w Small OOids in pl) Poor-Fair Leaching Sh Char-Grn/Gry Fissil No Odor No Flor No Stn NS

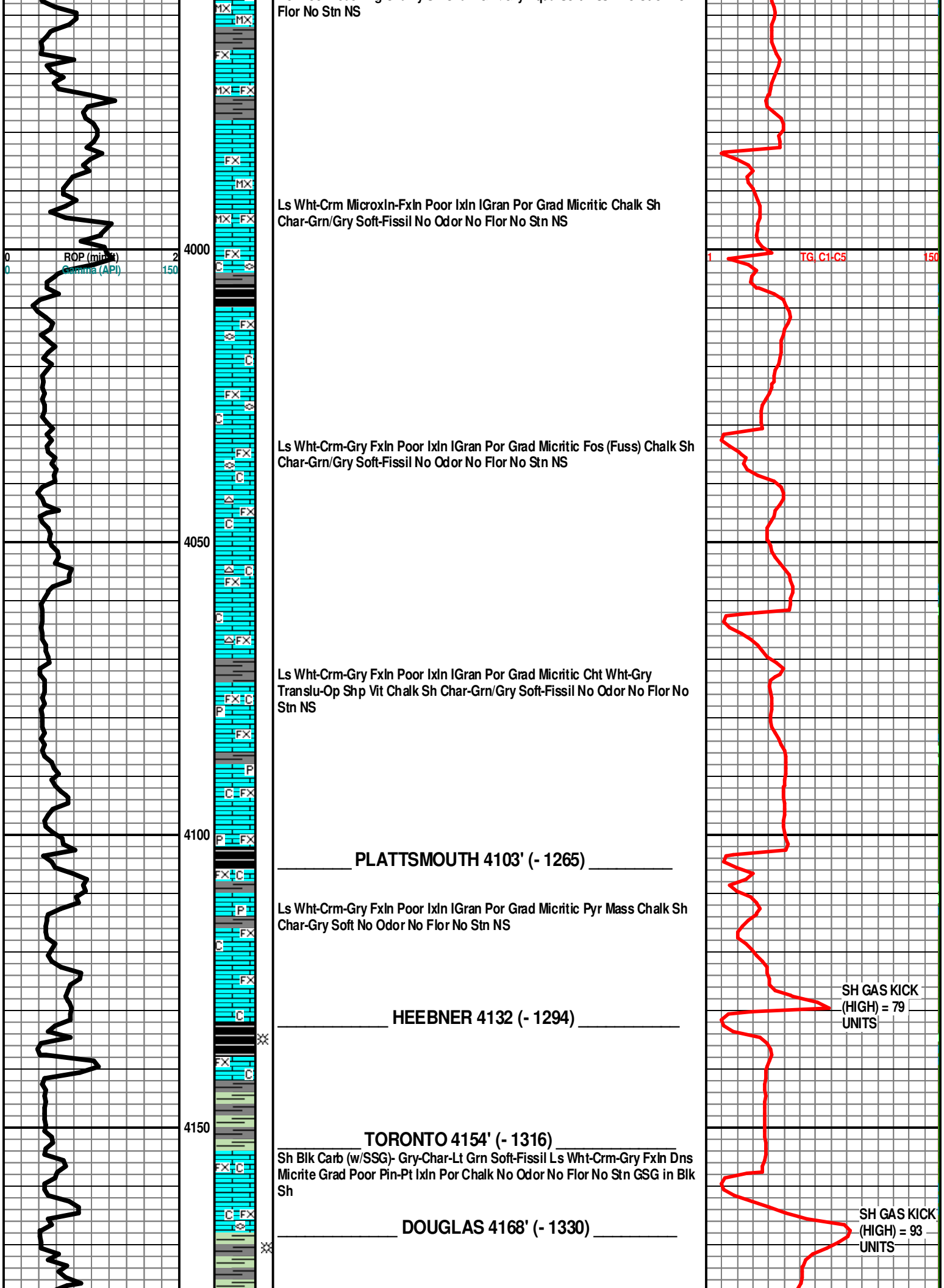
Ls Wht-Crm Microxln-Fxln Poor Ixln Por Grad Micritic Cht Wht Op Shp Vit Abd Sh Char-Grn/Gry-Red Soft-Fissil No Odor No Flor No Stn NS

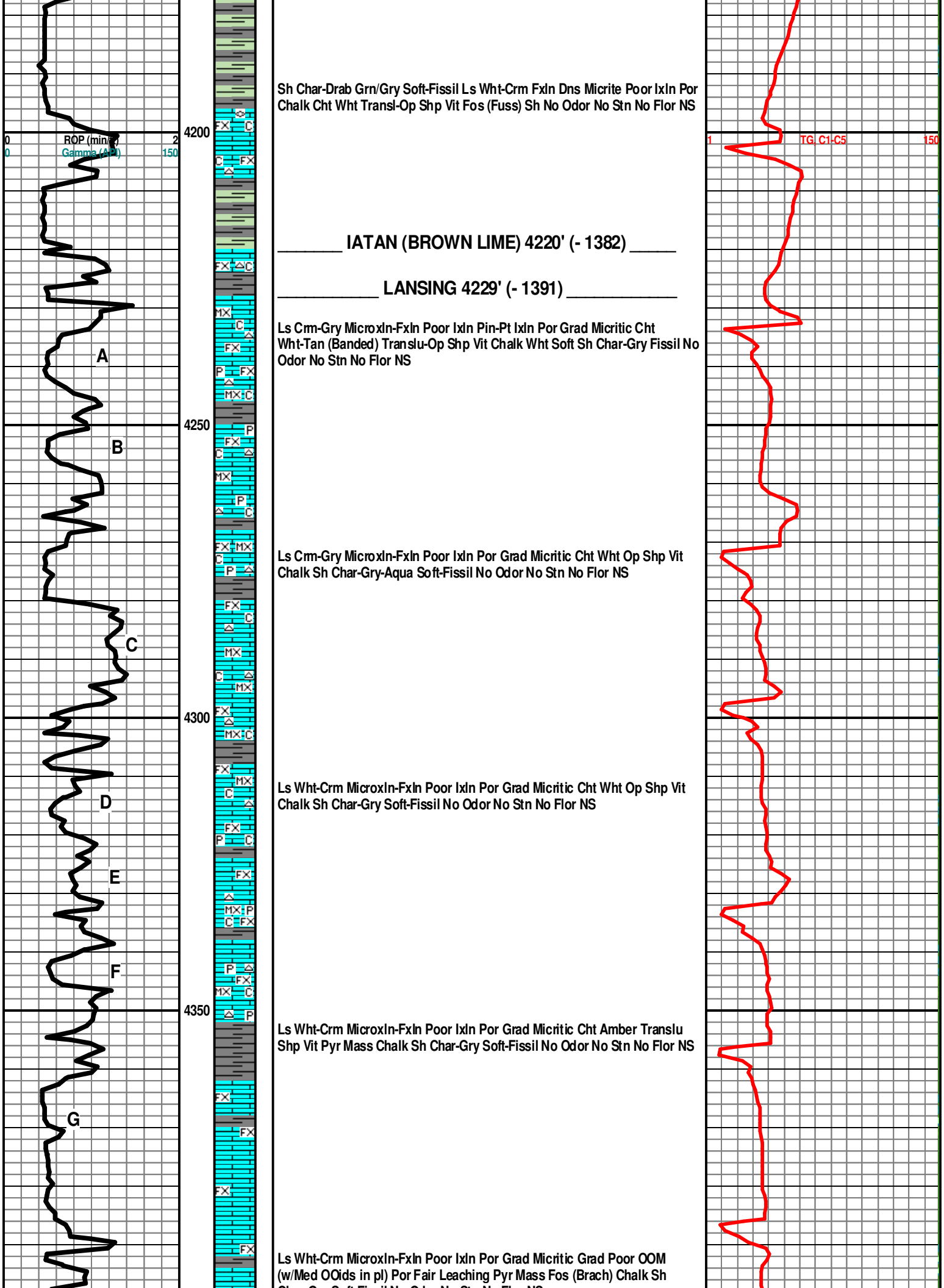
Ls Wht-Crm Microxln-Fxln Poor Ixln Por Grad Micritic Grad Poor OOM Por Poor Leaching Cht Wht Op Shp Vit Tr Sh Char- Grn/Gry- Red Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm Microxln-Fxln Poor Ixln IGran Por Grad Micritic Chalk Sh Char-Grn/Gry-Red Soft-Fissil No Odor No Flor No Stn NS

LeCOMPTON 3948' (- 1110)

Ls Gry-Crm-Tan Microxln-Fxln Poor Ixln Por Grad Micritic Grad Poor OOM Por Poor Leaching Chalky Sh Char- Grn/Gry-Aqua Soft-Fissil No Odor No


ROP (min/ft)
0
2
Gamma (API)
0
150
4000
4050
4100
4150
TG, C1-C5
1
150
Flor No Stn NS
Ls Wht-Crm MicroxIn-FxIn Poor IxIn IGran Por Grad Micritic Chalk Sh Char-Grn/Gry Soft-Fissil No Odor No Flor No Stn NS
Ls Wht-Crm-Gry FxIn Poor IxIn IGran Por Grad Micritic Fos (Fuss) Chalk Sh Char-Grn/Gry Soft-Fissil No Odor No Flor No Stn NS
Ls Wht-Crm-Gry FxIn Poor IxIn IGran Por Grad Micritic Cht Wht-Gry Translu-Op Shp Vit Chalk Sh Char-Grn/Gry Soft-Fissil No Odor No Flor No Stn NS
PLATTSMOUTH 4103' (- 1265)
Ls Wht-Crm-Gry FxIn Poor IxIn IGran Por Grad Micritic Pyr Mass Chalk Sh Char-Gry Soft No Odor No Flor No Stn NS
SH GAS KICK (HIGH) = 79 UNITS
HEEBNER 4132 (- 1294)
TORONTO 4154' (- 1316)
Sh Blk Carb (w/SSG)- Gry-Char-Lt Grn Soft-Fissil Ls Wht-Crm-Gry FxIn Dns Micrite Grad Poor Pin-Pt IxIn Por Chalk No Odor No Flor No Stn GSG in Blk Sh
SH GAS KICK (HIGH) = 93 UNITS
DOUGLAS 4168' (- 1330)



Sh Char-Drab Grn/Gry Soft-Fissil Ls Wht-Crm Fxln Dns Micrite Poor Ixln Por Chalk Cht Wht Transl-Op Shp Vit Fos (Fuss) Sh No Odor No Stn No Flor NS

_____ IATAN (BROWN LIME) 4220' (- 1382) _____

_____ LANSING 4229' (- 1391) _____

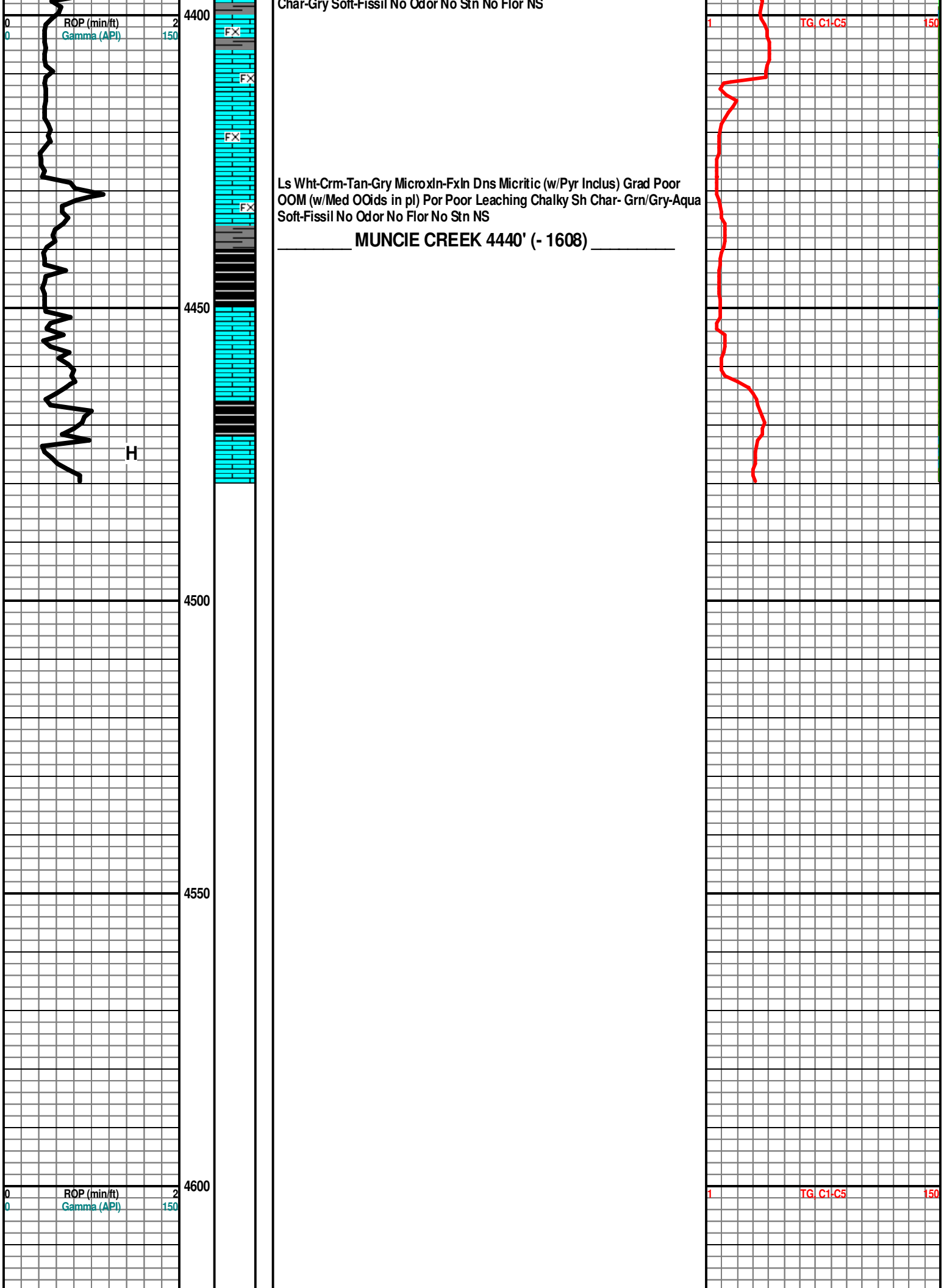
Ls Crm-Gry Microxln-Fxln Poor Ixln Pin-Pt Ixln Por Grad Micritic Cht Wht-Tan (Banded) Translu-Op Shp Vit Chalk Wht Soft Sh Char-Gry Fissil No Odor No Stn No Flor NS

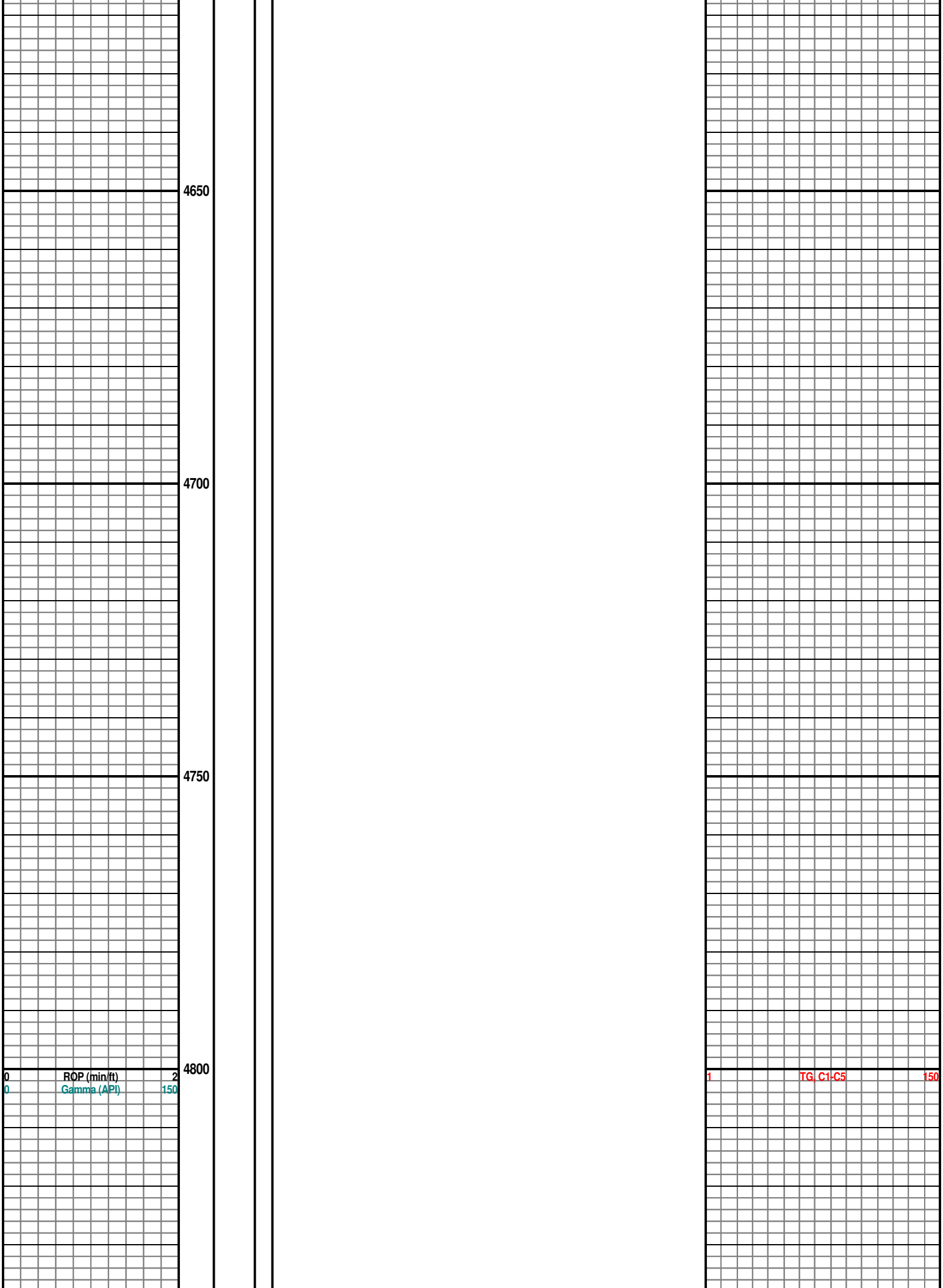
Ls Crm-Gry Microxln-Fxln Poor Ixln Por Grad Micritic Cht Wht Op Shp Vit Chalk Sh Char-Gry-Aqua Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Crm Microxln-Fxln Poor Ixln Por Grad Micritic Cht Wht Op Shp Vit Chalk Sh Char-Gry Soft-Fissil No Odor No Stn No Flor NS

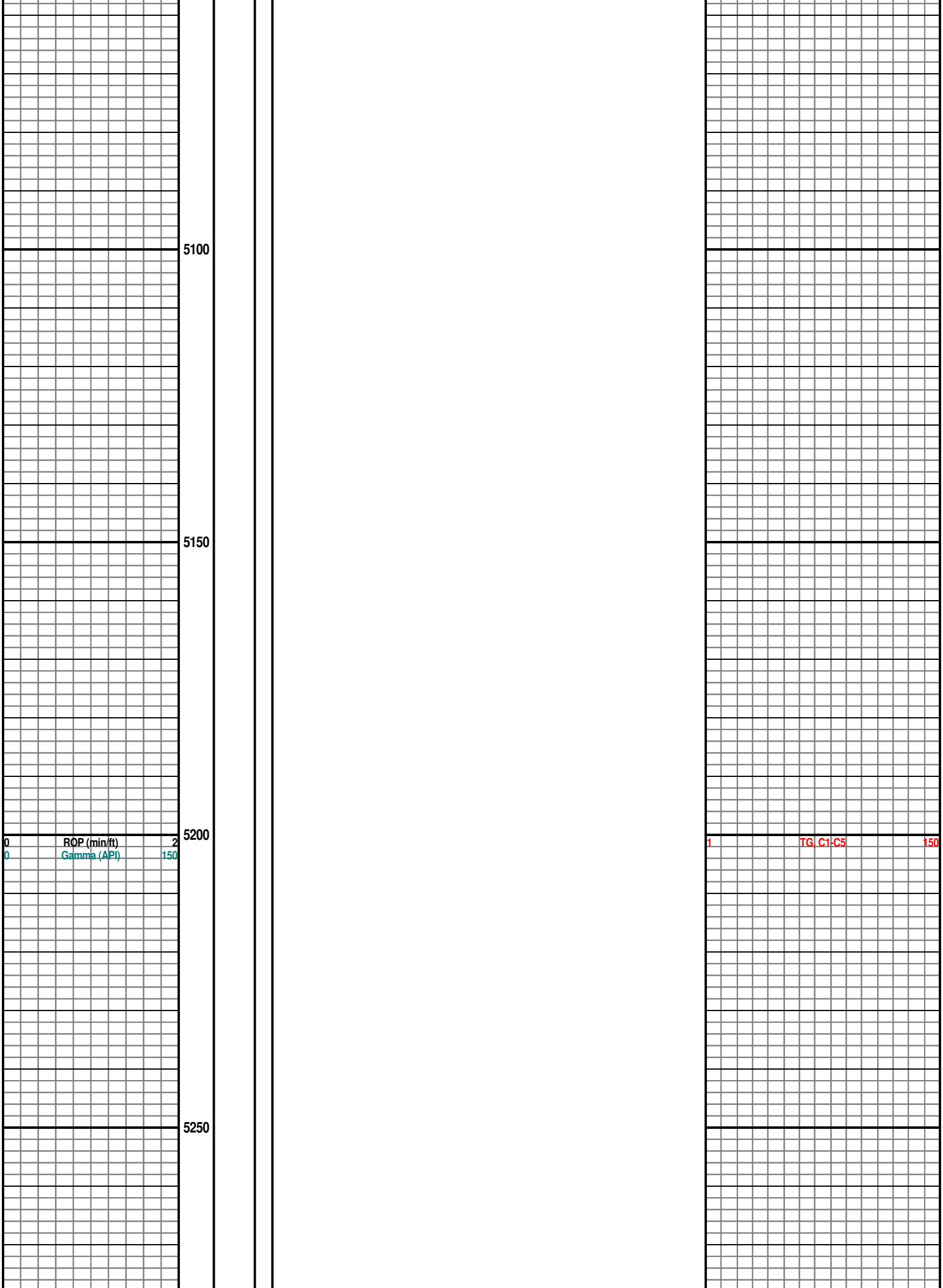
Ls Wht-Crm Microxln-Fxln Poor Ixln Por Grad Micritic Cht Amber Translu Shp Vit Pyr Mass Chalk Sh Char-Gry Soft-Fissil No Odor No Stn No Flor NS

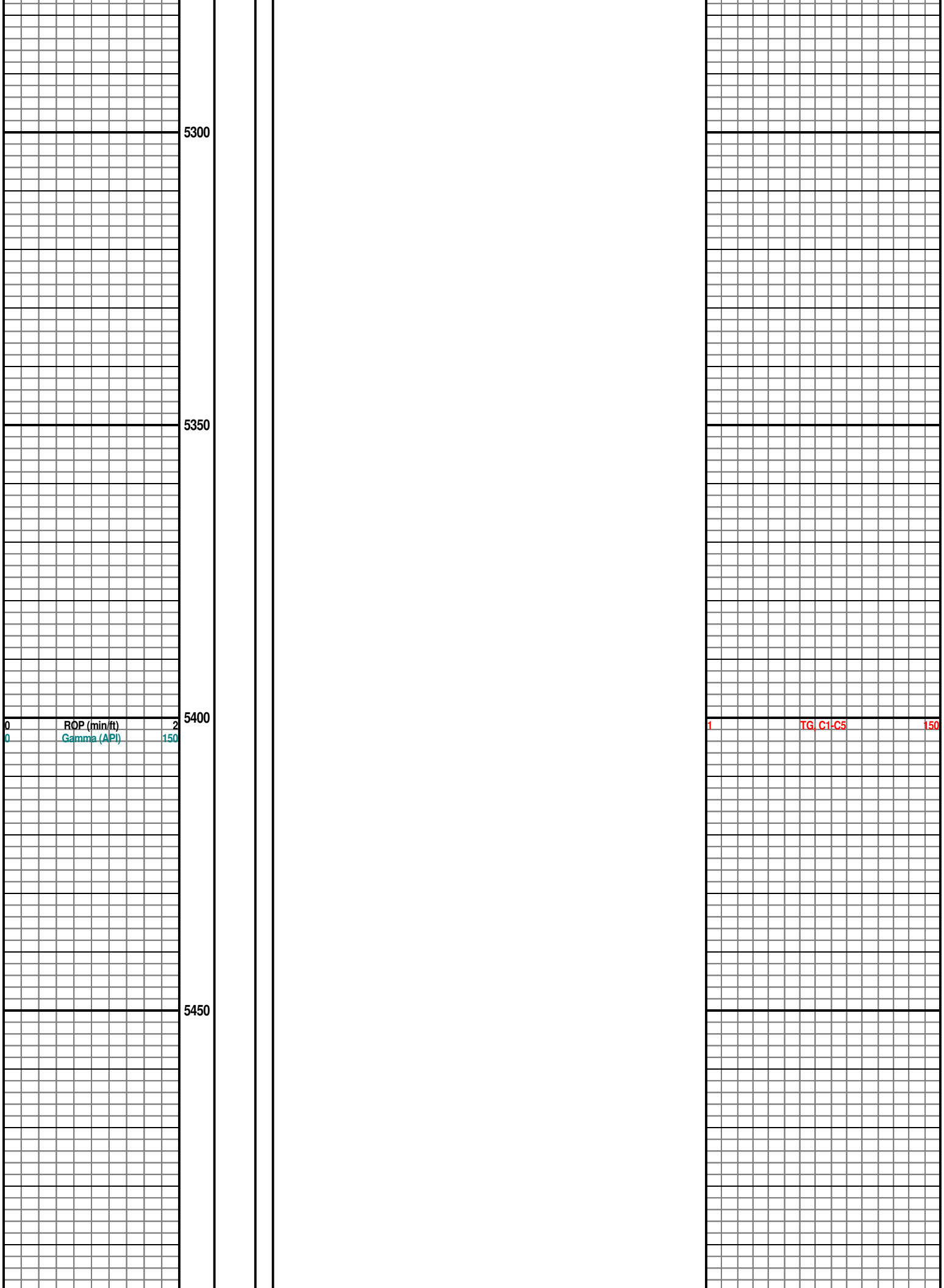
Ls Wht-Crm Microxln-Fxln Poor Ixln Por Grad Micritic Grad Poor OOM (w/Med OOids in pl) Por Fair Leaching Pyr Mass Fos (Brach) Chalk Sh


0
ROP (min/ft)
2
0
Gamma (API)
150
4400
4450
4500
4550
4600
H
1
TG, C1-C5
150
Char-Gry Soft-Fissil No Odor No Stn No Flor NS
Ls Wht-Crm-Tan-Gry Microxln-Fxln Dns Micritic (w/Pyr Inclus) Grad Poor OOM (w/Med OOids in pl) Por Poor Leaching Chalky Sh Char- Grn/Gry-Aqua Soft-Fissil No Odor No Flor No Stn NS
MUNCIE CREEK 4440' (- 1608)


4650
4700
4750
4800
0
ROP (min/ft)
2
0
Gamma (API)
150
1
TG, C1-C5
150


4850
4900
4950
5000
5050
0
ROP (min/ft)
2
0
Gamma (API)
150
1
TG_C1-C5
150


5100
5150
5200
5250
0
ROP (min/ft)
2
0
Gamma (API)
150
1
TG, C1-C5
150


5300
5350
5400
5450
0
ROP (min/ft)
2
0
Gamma (API)
150
1
TG, C1-C5
150