

GEOLOGIC REPORT

DANIEL T. JOHNSON

CONSULTING GEOLOGIST

19749 121ST RD, WINFIELD, KANSAS 67156

620-229-3258

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

Well Name: Cully #1-A
Location: NW SE SE SW 23-T34S-R2E Sumner County, Kansas
License Number: 32705 **Region: Midcon**
Spud Date: 4/3/2018 **Drilling Completed: 4/9/2018**
Surface Coordinates:

**Bottom Hole
Coordinates:**
Ground Elevation (ft): 1200' **K.B. Elevation (ft): 1208'**
Logged Interval (ft): 2700' To: 3900' **Total Depth (ft): 3900'**
Formation: Simpson
Type of Drilling Fluid: Simpson

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

OPERATOR

Company: Raney Oil Company,LLC
Address: 4556 Bauer Brook Ct
Lawrence, Kansas

GEOLOGIST

Name: Daniel T. Johnson
Company: Consulting Geologist
Address: 19749 121st Rd
Winfield, Kansas 67156
620-229-3258

Progress:

4/3: Move in,Rig up,Drill surface
4/4: WOC,Drilled out beneath SC
4/5: 1247' Drilling
4/6: 2150' Drilling
4/7: 2935' Drilling
4/8: 3363' Drilling
4/9: 3838' Drilling, RTD 3900', Ran elogs,set 5 1/2" production casing
4/10 3900' Cementing, plug down 9:30 am

Straight hole surveys:

265' 0*
 764' 1/4*
 1327' 1/2*
 1995' 1/2*
 2299' 3/4*
 3153' 3/4*
 3812' 1 1/4*
 3900' 1 1/4*








































































Bit record:

0-265' 12 1/4" PDC
 265'-3812': 7 7/8" J2
 3812'-3900': 7 7/8" J2
























ROCK TYPES

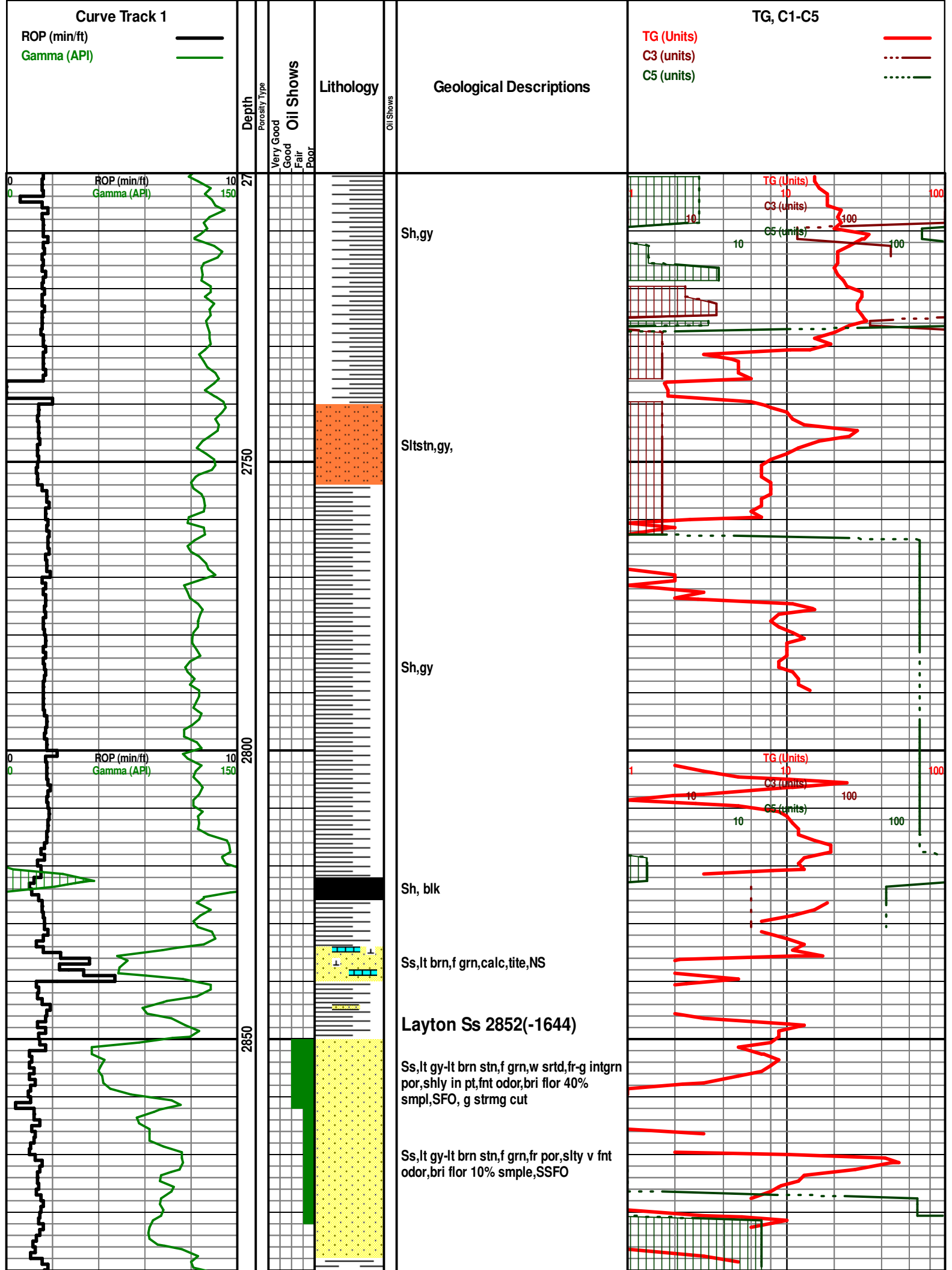
 Anhy  Bent  Brec  Cht  Clyst	 Coal  Congl  Dol  Gyp  Igne	 Lmst  Meta  Mrlst  Salt  Shale	 Shcol  Shgy  Sltst  Ss  Till
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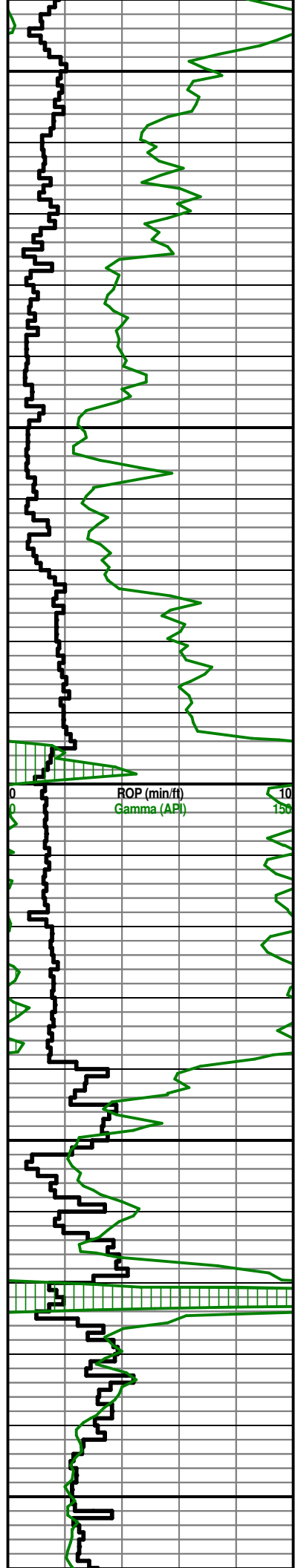
ACCESSORIES

MINERAL  Anhy  Arggrn  Arg  Bent  Bit  Brecfrag  Calc  Carb  Chtdk  Chtlt  Dol  Feldspar  Ferrpel  Ferr  Glau  Gyp  Hvymn  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  Mrlst  Sltstrg  Ssstrg TEXTURE  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
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OTHER SYMBOLS

POROSITY  Earthy  Fenest  Fracture  Inter  Moldic  Organic  Pinpoint  Vuggy	SORTING  Well  Moderate  Poor ROUNDING  Rounded  Subrnd  Subang	 Angular OIL SHOW  Even  Spotted  Ques  Dead	INTERVAL  Core  Dst EVENT  Rft  Sidewall
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2900
2950
3000
3050
3100



Layton "B" 2926(-1718)

Ss,brn,f grn,g por,glauc,mica,g odor,bri flor,tr FO

Sh,blk

Sh,gy-dk gy

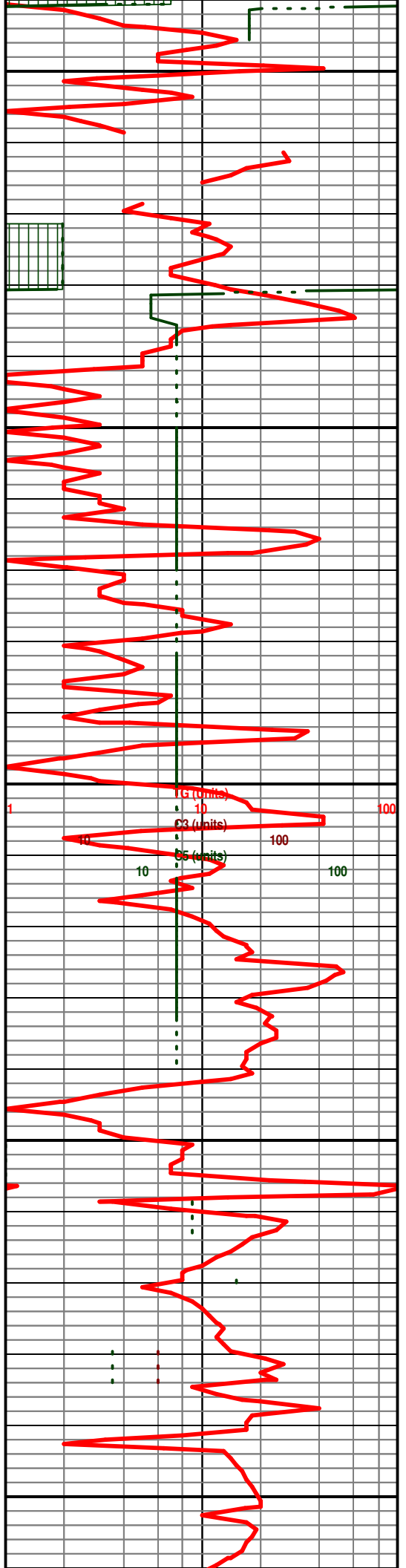
Kansas City Ls 3039(-1831)

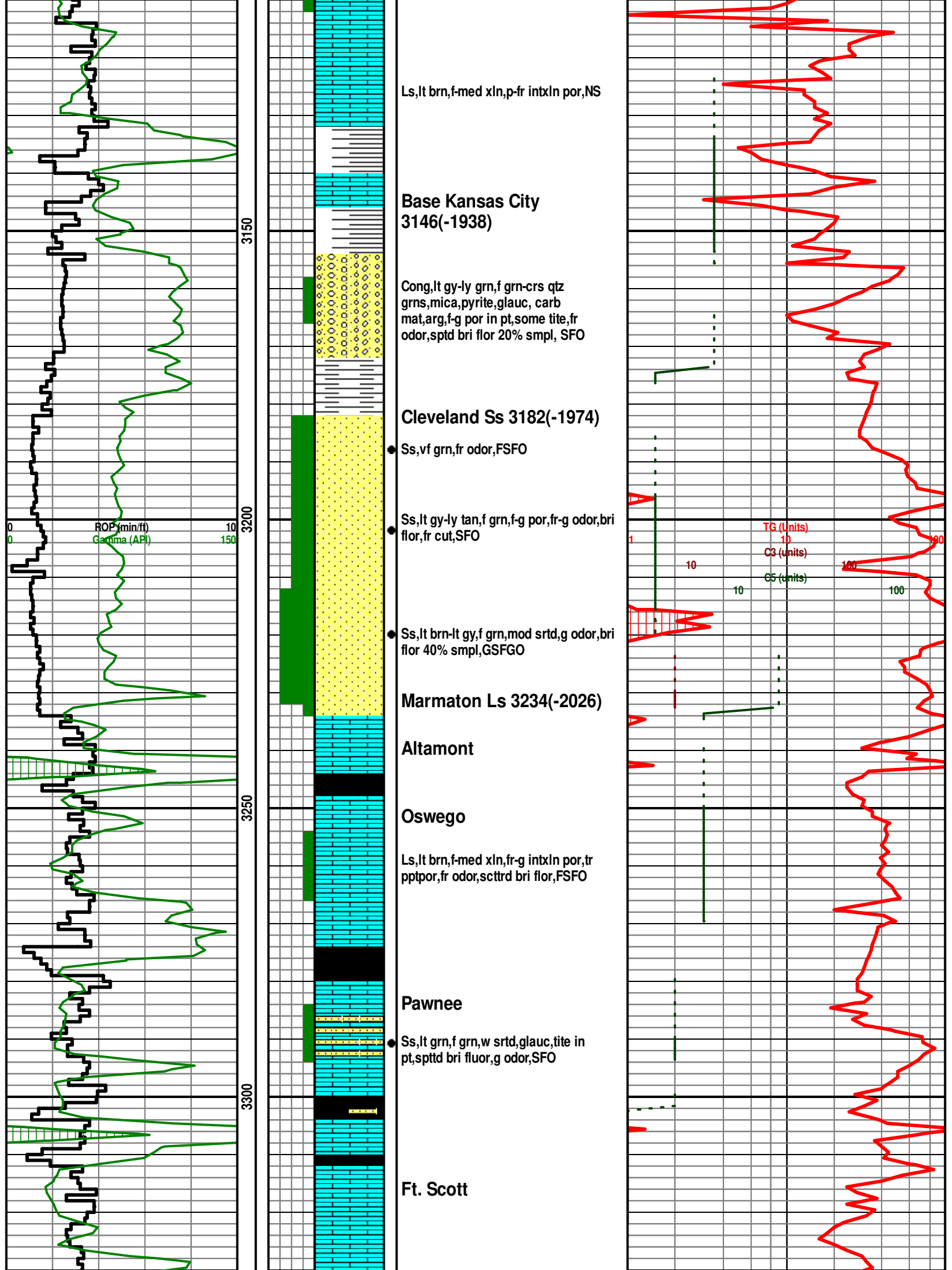
Ls,brn,med-crs xln,ppt and vuglr por,g odor,bri flor on edges and vugs,30% smpl w show, free oil bldg from a few vugs, inst strmg cut,GSFGO

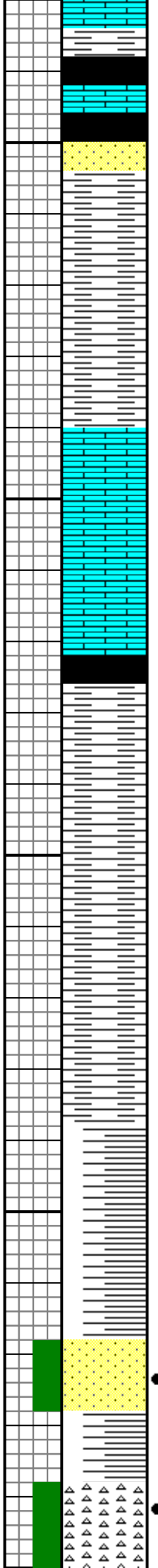
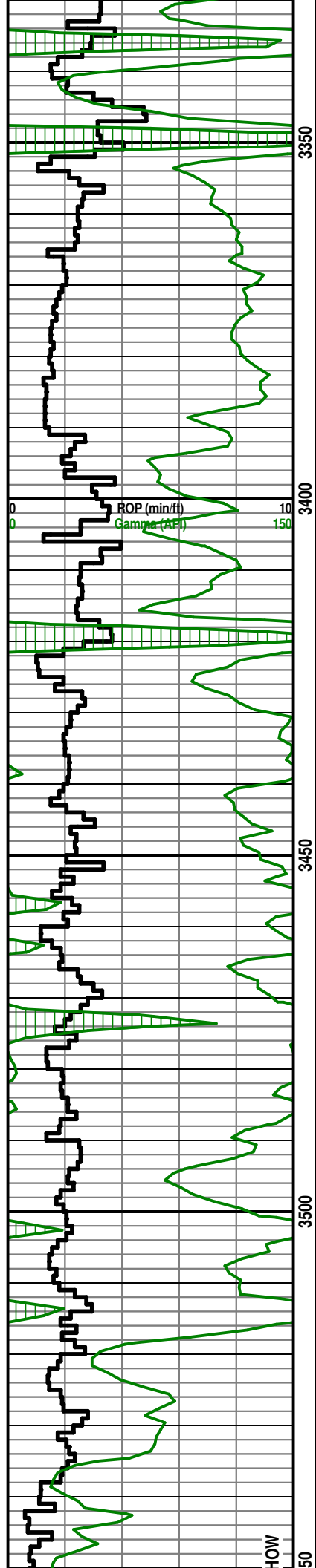
Hertha "Big Lime" porosity

3092(-1884)

Ls,lt brn,med xln,abnd foss frags,g intxln por,g vuggy por,g odor,bri spttd and edge flor 40% smpl,foss frag frmwk,GSFO

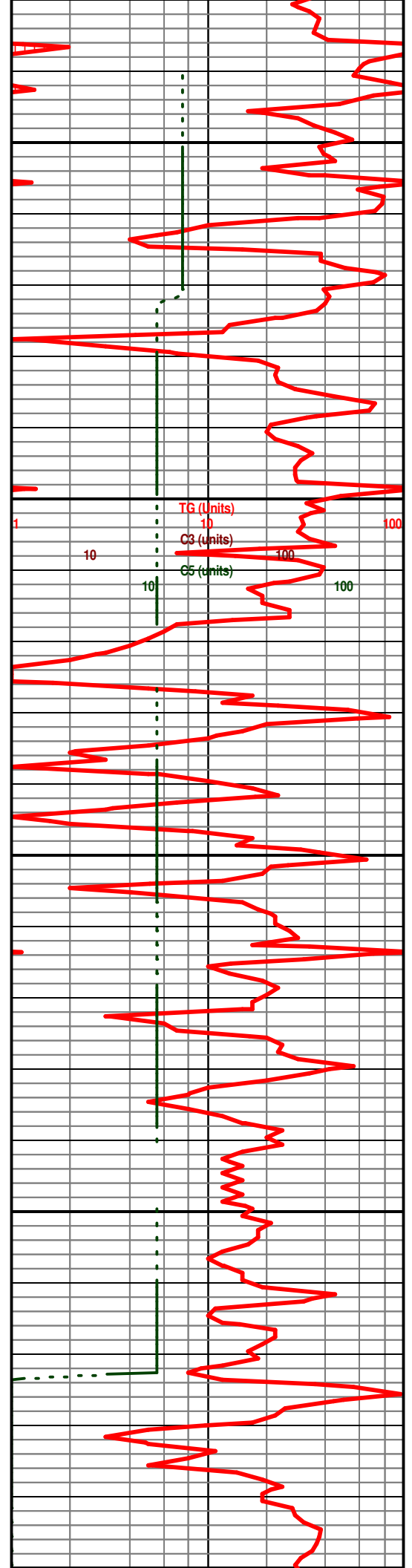






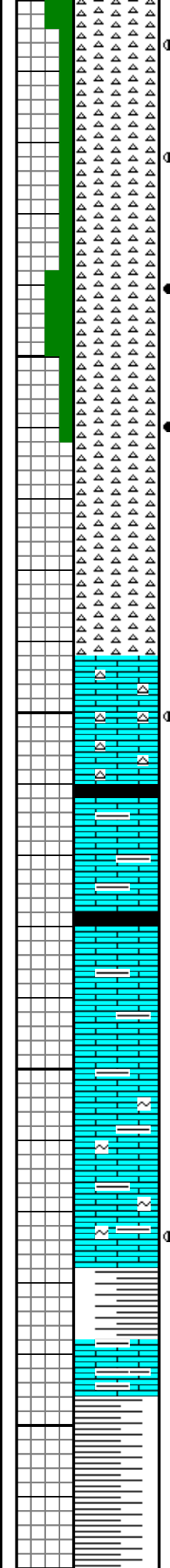
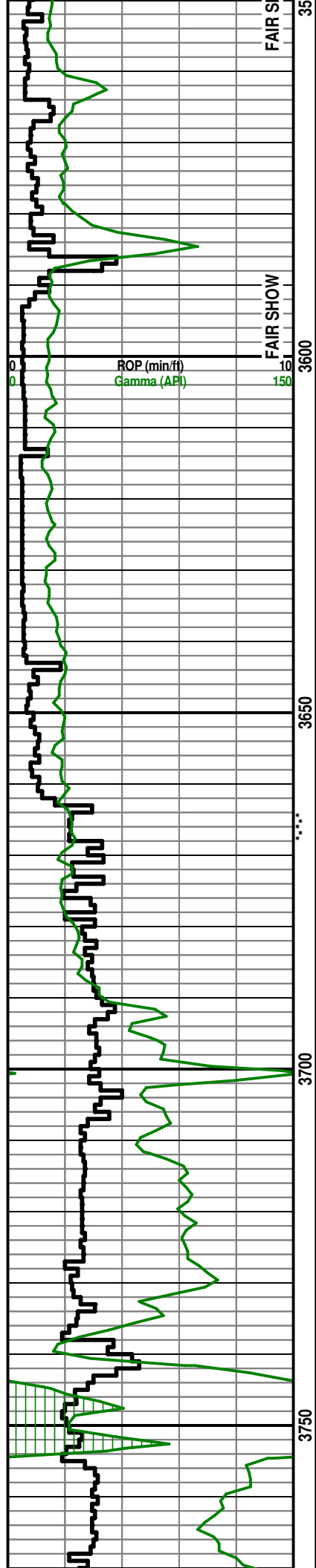
● Ss, lt gy-lt brn stn, f grn, w srted, qtz, g por, no odor, few pcs w vbrl flor, inst strmg cut, SFGO

● Cht, wht-sptd brn stn, 70% frsh, sharp, fracd, 30% wthrd, p-fr por, v fnt odor, bri flor 20% smpl, FSFO



HOW

50



Cht,aa,50% frsh,sharp,fracd,50%
wthrd, g ppt por,g vuglr por,sctrd bri
flor,NFO

Lower Miss "Chert"
3592(-2384)

Chtwht-lt brn stn,80% wthrd,slow bldg
oil from brkn pcs,fr odor,wthrd on fracd
edges,incr in flor,odor, tr FO

odor

Cht,aa,decr show

odor

odor

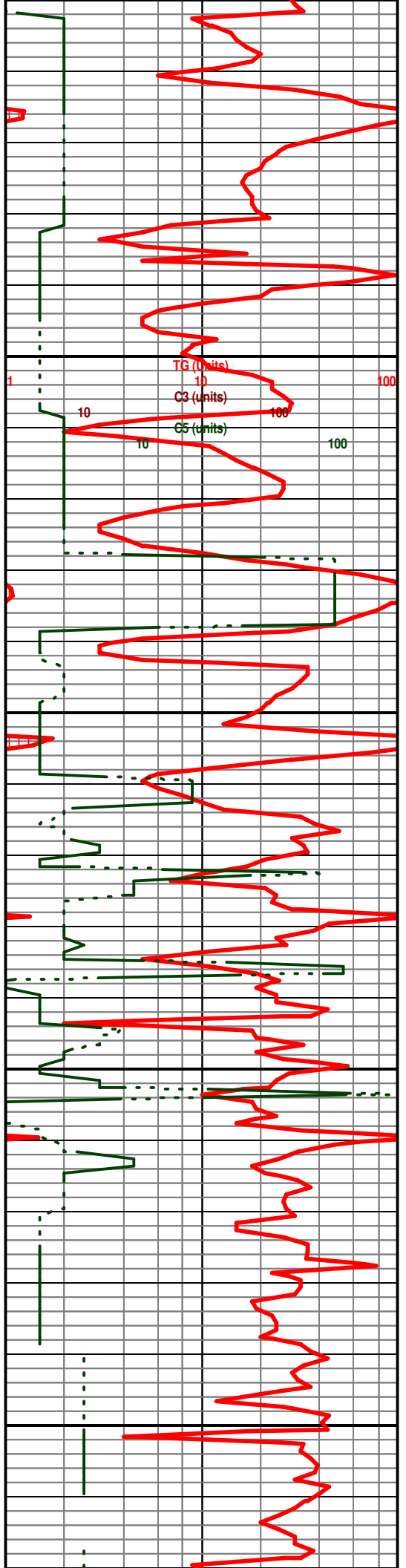
Cowley "Facies"

odor

Sh,vcol

Kinderhouk Sh 3738(-2530)

Sh,dk gy,dolcin pt,sty



**Chattanooga Sh
3770(-2562)**

Simpson Group

Ss, wht-lt gy, f grn, w srted, some w Si
cmt, fr-gd intgrnlr, por, fnt odor, pos
stn, NFO

Sh, dk gy

Sh, grn-gy-red brn, a few fg ss lam. NS

Ss, wht-lt gy, f grn, mstly small
clusters, abnd med-cr clr rnd qtz grns
in tray, cstrd spcks of bri flor in tray,
vfnt odor disipates rapidly, NSFO

Sh, gy-grn

Ss, wht-clear, f grn, w srted, tite, NS

Sh, vcol red-gy-grn

**Rotary Total Depth
3900(-2692)**

**Raney Oil Company, LLC
Cully #1-A
NW SE SE SW
23-T34S-R2E, Sumner Co.
KB 1208**

