

MUD LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: S Rolfs #5
Well Id:
Location:
License Number:
Spud Date:
Surface Coordinates:

Region:
Drilling Completed:

Bottom Hole
Coordinates:
Ground Elevation (ft): 1757 **K.B. Elevation (ft):** 1770
Logged Interval (ft): 2550 **To:** 3433 **Total Depth (ft):** 3463
Formation:
Type of Drilling Fluid: Chem Mud

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

OPERATOR

Company: Pauley Oil
Address:

GEOLOGIST

Name: Steven Petermann
Company: Consulting Petroleum Geologist
Address: 3206 NorthWestern Avenue
Hutchinson, Ks 67502

Cores

DSTs

DST depths shown are correlated to RIG DEPTH and were NOT adjusted to log depth. In general Rig Depths are 3-5' LOW to logged Depth.

DST#1 2841'-2862' 5-30-45-60/IF BOB 15 sec 11-11#/FF BOB immed 12-13#/ISIP 346#/FSIP 429# (poor perm-bldg)/Recover 678'GIP 15'Mud




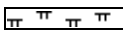
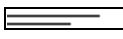
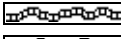




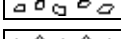


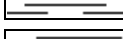
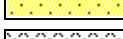



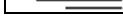
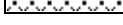
DST#2 3173'-3254' 15-45-45-90/IF .25"-1.5" 11-17#/FF WSB-4" 19-27#/ISIP 919#/FSIP 895#/Recover 10'Oil 20'OCM (11%Oil 89%Mud)

DST#3 3173'-3269' 10-30-45-60/IF .25"-5" 14-32#/FF .25-11" 35-75#/ISIP 862#/FSIP 823#/Recover 3'CO 64'SOCM (3%Oil 97%Mud) 63'SOWCM (3%Oil 20%Wtr 77%Mud) 13,000ppm Cl























































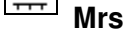
















Comments

It was discovered toward the end of the drilling of this well that the Rolfs #4 reference well had used a significantly erroneous GL and KB (used estimate instead of survey). This changed referenced comparative tops by approx 10'




























ROCK TYPES

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

ACCESSORIES

MINERAL		FOSSIL	
 Anhy	 Gyp	 Algae	 Ostra
 Arggrn	 Hvymin	 Amph	 Pelec
 Arg	 Kaol	 Belm	 Pellet
 Bent	 Marl	 Bioclst	 Pisolite
 Bit	 Minxl	 Brach	 Plant
 Brecfrag	 Nodule	 Bryozoa	 Strom
 Calc	 Phos	 Cephal	STRINGER
 Carb	 Pyr	 Coral	 Anhy
 Chtdk	 Salt	 Crin	 Arg
 Chtlt	 Sandy	 Echin	 Bent
 Dol	 Silt	 Fish	 Coal
 Feldspar	 Sil	 Foram	 Dol
 Ferrpel	 Sulphur	 Fossil	 Gyp
 Ferr	 Tuff	 Gastro	 Ls
 Glau		 Oolite	 Mrst
			TEXTURE
			 Sltstrg
			 Ssstrg
			 Boundst
			 Chalky
			 Cryxln
			 Earthy
			 Finexln
			 Grainst
			 Lithogr
			 Microxln
			 Mudst
			 Packst
			 Wackest

OTHER SYMBOLS

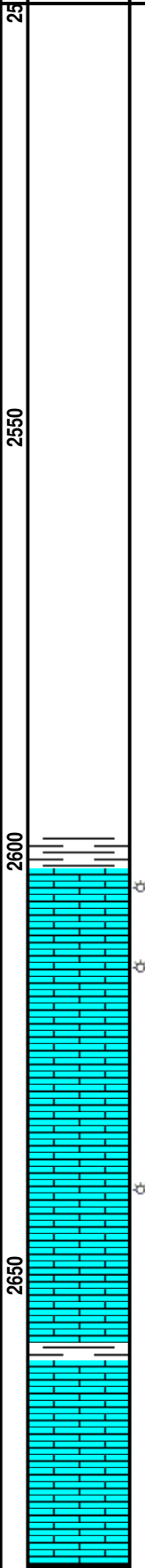
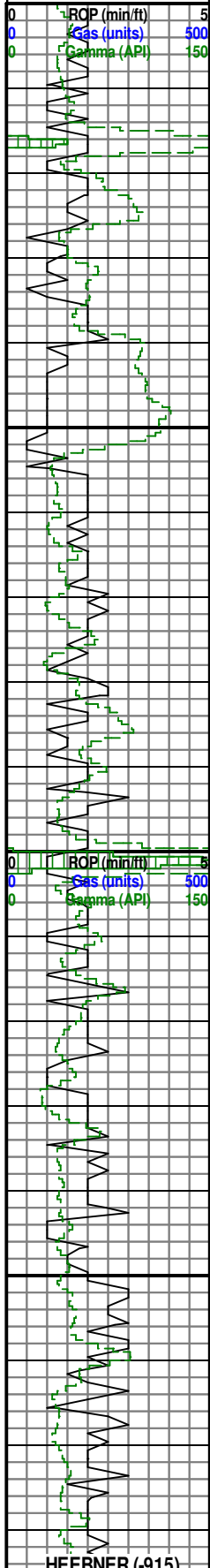
POROSITY		ROUNDING	
 Earthy	<input checked="" type="checkbox"/> Vuggy	 Rounded	 Spotted
 Fenest	SORTING	 Subrnd	 Ques
 Fracture	 Well	 Subang	 Dead
 Inter	 Moderate	 Angular	 Ssg
 Moldic	 Poor		 Ssfo&g
 Organic		OIL SHOW	 Sg
 Pinpoint		 Even	 Sg ssfo
			 O&g
			INTERVAL
			 Core
			 Dst
			EVENT
			 Rft
			 Sidewall

Curve Track 1
 ROP (min/ft) _____
 Gas (units) - - - - -
 Gamma (API) - - - - -

Depth
 Lithology
 Oil Shows

Geological Descriptions

TG, C1-C5
 TG (Units) _____
 C1 (units)
 C2 (units)
 C3 (units)
 C4 (units)
 C5 (units)



Shaley/silty-gry + LST tan-gry, cryptoxln-vfxln, soft pvp few foss NS

Shale rd/gry/grn, rd clasts, + LST AA+ LST tan vfgr sl sdy most pvp, friable SSG w rainbow

LST crm-tan few gry vfxln few f-mxln silty pvp soft SSG NSFO NO NF

LST crm-gry silty/sdy dse pvp NS NO NF + gry-dk gry shale

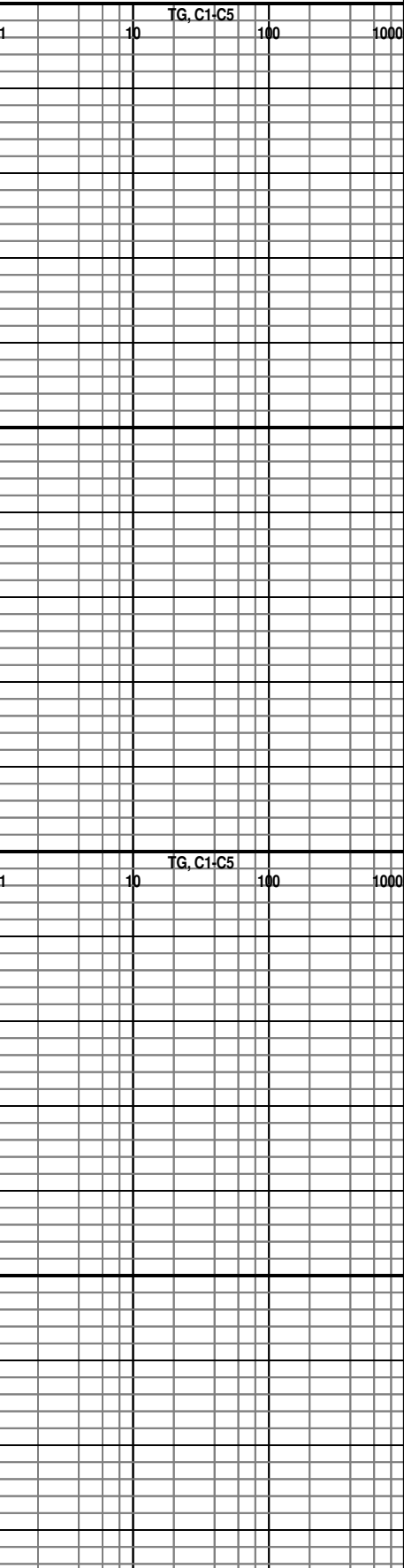
LST tan vfxln soft p-fr intxln por, SSG tr-scatt lt brn stn NSFO NO NF

LST gry-dk tan fossiliferous wkstone pvp-dse NSFO NO NF + shale gry-maroon, fissile

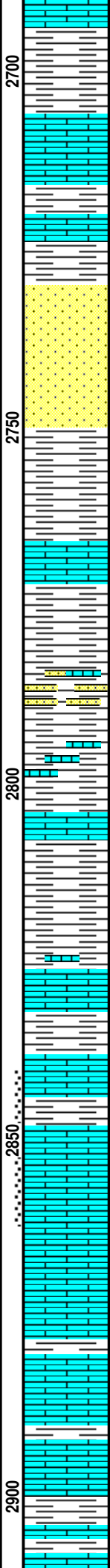
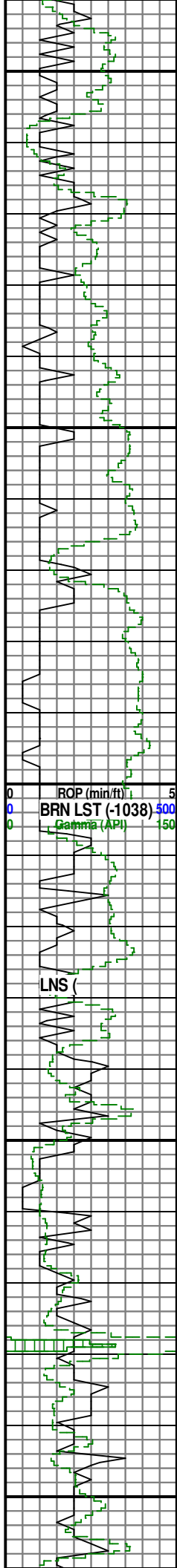
shale gry-dk gry, LST crm-tan vf-fxln few mxln, foss cherty in pt, pvp-dse NS NO NF

LST gry vfxln dse+LST tan/brn fxln fr por scatt brn stn NSFO NO NF

Shale dk brn/blk carb GSG + LST crm fxln foss chiky in pt SSG



HEEBNER (-915)



2700 very shaley VC/gry grm brn + LST crm vf-fxln soft subchky SG

very shaley lt gry + LST tan/brn mottled fxln dse

AA

AA + LST crm vfxln chky SG

AA + SSt grn/gry vfgr ws rd friable SSG w rainbow ? lt brn stn NSFO NO NF

AA incr SSt (30-40%) SG stn AA NSFO NO NF

AA shalier fewer SSt SG

Shale gry +SSt & Shaley SSt AA

Shaley AA + LST crm/tan fxln dse

Incr Shale gry/dk gry + SSt & Shaley SSt AASG

Mostly gry shale + few LST crm-tan vf-fxln soft-dse pvp NS NO NF

2750

2800

very shaley gry + LST tan fxln cherty dse

very shaley gry soft + few LST crm (wht w/golden surface stn) vfxln pr-fr intxln por tr sub moidic por SSG

very shaley gry + LST crm-tan vf-fxln pvp-dse NS NO NF

Flood LST crm vfxln soft some sub chky FSG few w rainbow

LST crm vfxln good oom por (rechrytallized) lt golden stn SFO (v lt - lt red) SSG Ft Odor

LST AA less moidic por, similar show, foss, many pvp ft-fr odor

LST tan-gry vf-cryptoxln dse few foss NBS NF (ssfo moidic cavings?) ft odor

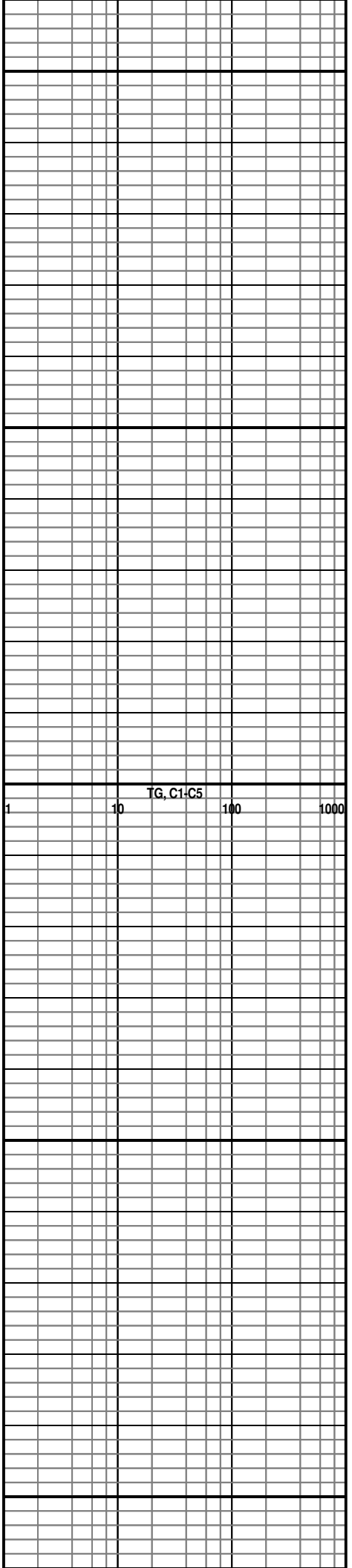
LST crm/tan vfxln chky in pt few moidic AA (cavings?) but w darker oil show & stronger odor onb break, Fair Odor

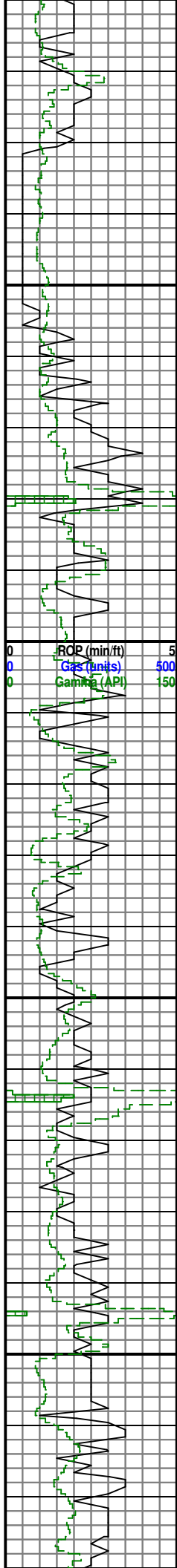
Shaley-dk gry plty +lt gry soft, + LST dk gry-gry, tan, vfxln pvp-dse NS NO NF

2850

2900

Shaley dirty smple, LST crm some mottled dk scattered brn stn, fr show high grav clr oil NO NF





LST mostly crm vf-fxln, soft - subchky pvp dull fluor few gry fxln foss pkstone pvp NS

very chky shaley dirty, LST crm vfxln even lt golden stn pvp soft-dse few chky GSG

LST crm vfxln even lt golden stn foss/oom w good oom por bleeding red gsy oil

LST crm w lt golden stn good oom por AA mostly barren SSG

2950

AA denser + LST cherty dk tan-brn dse + LST crm fxln suboom fr intxln por lt stn SSG NSFO NO

LST oom/sub oom AA well cmt + LST cherty AA dse

Shale grey/blk SG + LST gry fxln foss in pt pvp SSG

LST gry vf-fxln soft shaley? pvp SG + LST crm vfxln chky in pt lt gold surf stn, some dk blk (dead?) oil stn NSFO NO NF

3000

Shale gry/blk + LST crm vf-fxln, fr intxln por soft lt stn NSFO NF NO+LST brn/gry mottled foss pvp-soft SSG

Shale ghry+ LST tan vf-cryptoxln sl chrtly dse NS

Mosatly AA some LST crm vfxln soft-sub chky lt golden stn SSG

Shale dk brn/blk SG silty

LST gry/tan mottled fxln foss wkstone mostly pvp SG w rainbow + LST crm f-mxln foss ool (pkstone) fair intxln por SSG

LST crm/gry brn & mottled fxln soft shaley in pt? FSG some brn stn in fracs NSFO NO NF + LST crm vfxln; n subchky-chky w SG/rainbow

3050

LST crm/tan vfxln chrtly in pt pvp-dse NS NF NO + shale dk gry

Shale dk gry/blk SG + LST tan/gry fxln foss dse SSG + LST crm vfxln pr-fr intxln por SSG NSFO NO NF

Shale dk gry + LST tan vfxln dse NS foss chrtly

LST AA + Shale gry/dk gry-blk

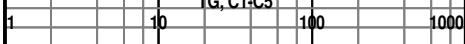
3100

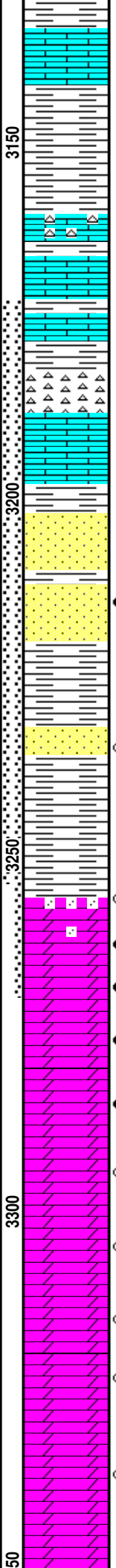
LST crm-gry-tan vfxln chrtly in pt foss in pt mostly pvp few with sl intxln por SSG NSFO NO NF

Shale gry-few gm gry + LST crm vfxln pr-fr intxln por lt gold stn SSG + LST tan cryptoxln dse

Abdt gry shale + LST AA

TG, C1-C5





Shale gry AA + LST crm vfxln pr-fr por lt golden stn F-GSG SSFO (red) NF ft odor few pcs ppt por w brn stn SFO

LST AA ppt por brn stn SFO on break Fr Odor on break + Dolo? LST gry vfxln pr-fr intxln por SG SSFO + gry shale & silty shale

Shale gm/gry/dk gry/red/gm gry + VC LST soft-dse FSG in soft Ft-Fr Odor abdt clr rainbow sfo

VC Shale gm/gry/red chert white/tan fresh shrp+ LST crm fxlIn pvp FSG + LST gry vfxln dse

VC chert mar/wht/amber + mar shly LST vfxln SG+LST wht-yellow stnd mxln angular GSG

LST crm/yellow f-mxln mostly pvp SSG + VC shale few fgr rd qtz grns embedded

VC shale w qtz grns green waxy shale tr SSt vf-fgr f-gd srt well rd friable calcite occluded por NS

Abdt SSt clr/frosted fgr well rd & sorted v friable-well cmt much cleaner then above pr-fr por, SFO-Sat (lt tan) gassy in part good odor dull yellow fluor

Gm shale w qtz grns embedded + SSt AA w SFO

Gm shale + SSt AA mostly w SFO&G few barren

AA

3254-3260 Grn shale + SSt AA w SFO + LimeyDolo fxlIn wht w lt stn SSFO mostly pvp SG

3260-3264 AA incr limeydolo fxlIn wht w gold stn chrty in pt FSFO&G + doloSSt w fgr qtz clear SSFO

3264-3269 dolo tan sucrosic fxlIn fr-gd por many friable SGO good odor

dolo crm w lt golden stn vfxln mostly pvp-dse SFO&G good odor (tite)

predominantly dolo crm-tan fxlIn suc well cmt-friable fr ppt por w stn SFO + shale gm/gry

dolo tan fxlIn suc SFO&GsyO + chrty dolo dse chrt wht fresh sharp semi opaque + dolo crm-tan vf-fxlIn many dse few fr por suc in pt weaker SFO

incr shale apple gm/gry + dolo crm/tan vf-fxlIn dse-fr por suc in pt sl chrty FSFO fr-gd odor

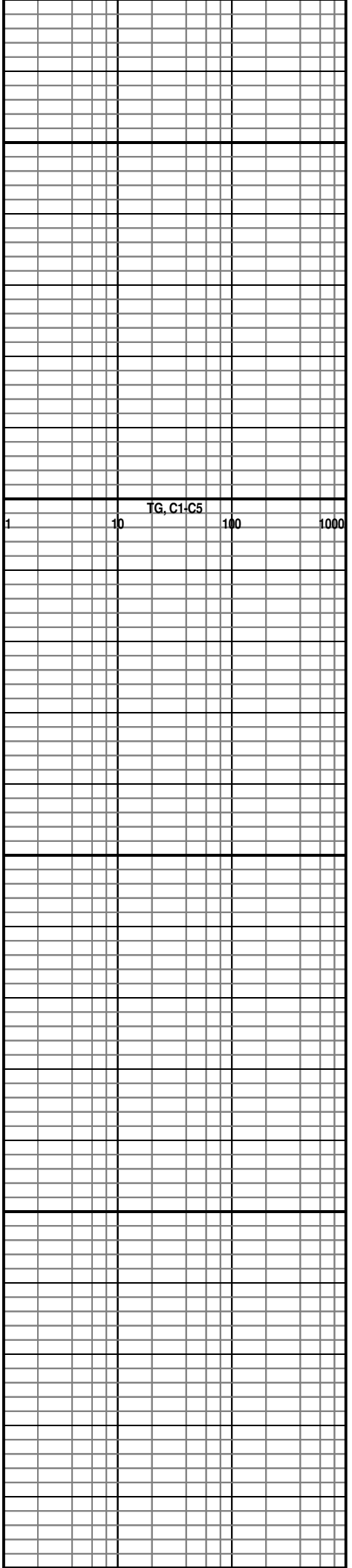
dolo AA- if suc w por has FSFO & gsyO + brn limey dolo vfxln, v dse

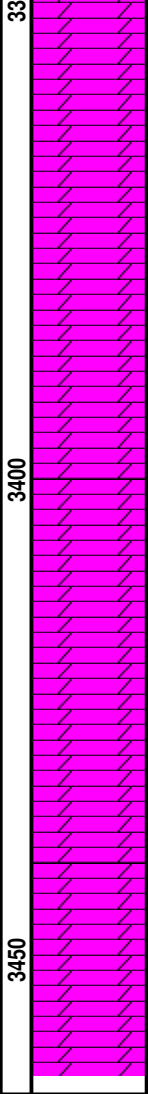
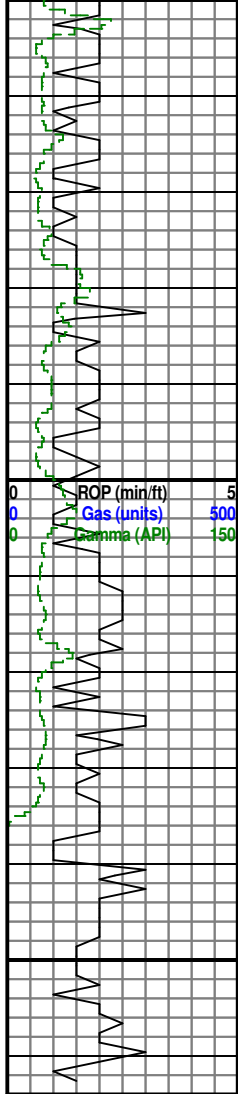
tan/bm chrt, sl dolomitic, v dse dolo crm AA ft-fr odor w SFO on break

dolo tan vf-fxlIn foss/ool dse + chrt wht/boney fresh + dolo fxlIn suc in pt SFO few w dead oil stn (dk red) mostly live

dolo crm-tan vfxln softer very friable suc good show v hi grav clr oil F-GSG + tan dolo AASFO

AA some oil appears dead





AA some cr appears actua

dolo crm fxln ly stn good por dead oil (dk red) some live

AA good por friable both live SFO and dead oil stn

AA + boney/tan chrt & dolo chrt

dolo crm/tan vfxln many dse pvp show high grav clr SSG poor oil show

dolo crm vfxln soft fr por NS sulfur odor

AA + chrty

dolo crm/tan vfxln mostly pvp-dse SSFO mostly barren

AA some w better por poorly cmt barren

dolo wht/crm fxln few mxln suc w good intxln por NS

