



Woolsey Operating Company, LLC

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

Well Name: Michel #2 H

Location: Section 7 - Township 34 Soutn - Range 11 West

License Number: 15-007-24014-01-00

Region: Barber County, KS

Spud Date:

Drilling Completed:

Surface Coordinates: 2170' FNL & 620' FWL
Apx. NE SW SW NW

Bottom Hole Coordinates:

Ground Elevation (ft): 1496' K.B. Elevation (ft): 1479'

Logged Interval (ft): 3600' To: Total Depth (ft):

Formation: Heebner >>> Mississippi

Type of Drilling Fluid: Chemical Mud

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

OPERATOR

Company: Woolsey Operating Company,LLC

Address: 125 N. Market, Suite 1000

Wichita, KS 67202

GEOLOGIST

Name: Bill Klaver

Company: Woolsey Operating Co. LLC

Address: 125 N. Market, Wichita Kansas, 67202

Casing/Bits

Big Bucket's set 20" X 53#/ft conductor to 41' with 4 yards of grout on April 17, 2013.

Ran 8 joints of new 13 3/8" X 54.5#/ft casing to 336' KB (tally 336') with 330 sx Class A, 2% gel, 3% cc. Plud down 3 am on 4/24/2013. Cement did circulate.

Bit Record: 1) 17 1/2" Sec. RRRT out at 340', 2) 12 1/4" JZ RR RT out at 800', 3) 8 3/4" Reed R-23-A out at 4023', 4) 8 3/4" Reed R-25-APDH out at

Remarks:

Gas Detector: Woolsey Operating Company, Gas Trailer #2

Mud Systems: Mud-Co. Brad Bortz, Terry Ibson, Engineers

Directional Input: Calmena Energy Services, Heath Marshal, Mark Sanders Directional Drillers

MWD Hands: Shane Lewis, David Jay

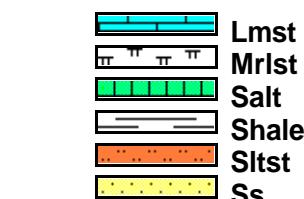
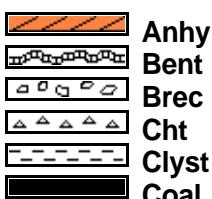
Crews:

Tool Pushers: Steve Ellington, Rellief: Sammy Fry

Daytime Drillers: Jack Lambert, Johnnie Stone

Night Drillers: Tanner Barber, Terry Stark

ROCK TYPES



ACCESSORIES

MINERAL	
<input checked="" type="checkbox"/>	Anhy
<input type="checkbox"/>	Arg
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<input checked="" type="checkbox"/>	Brecfrag
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FOSSIL

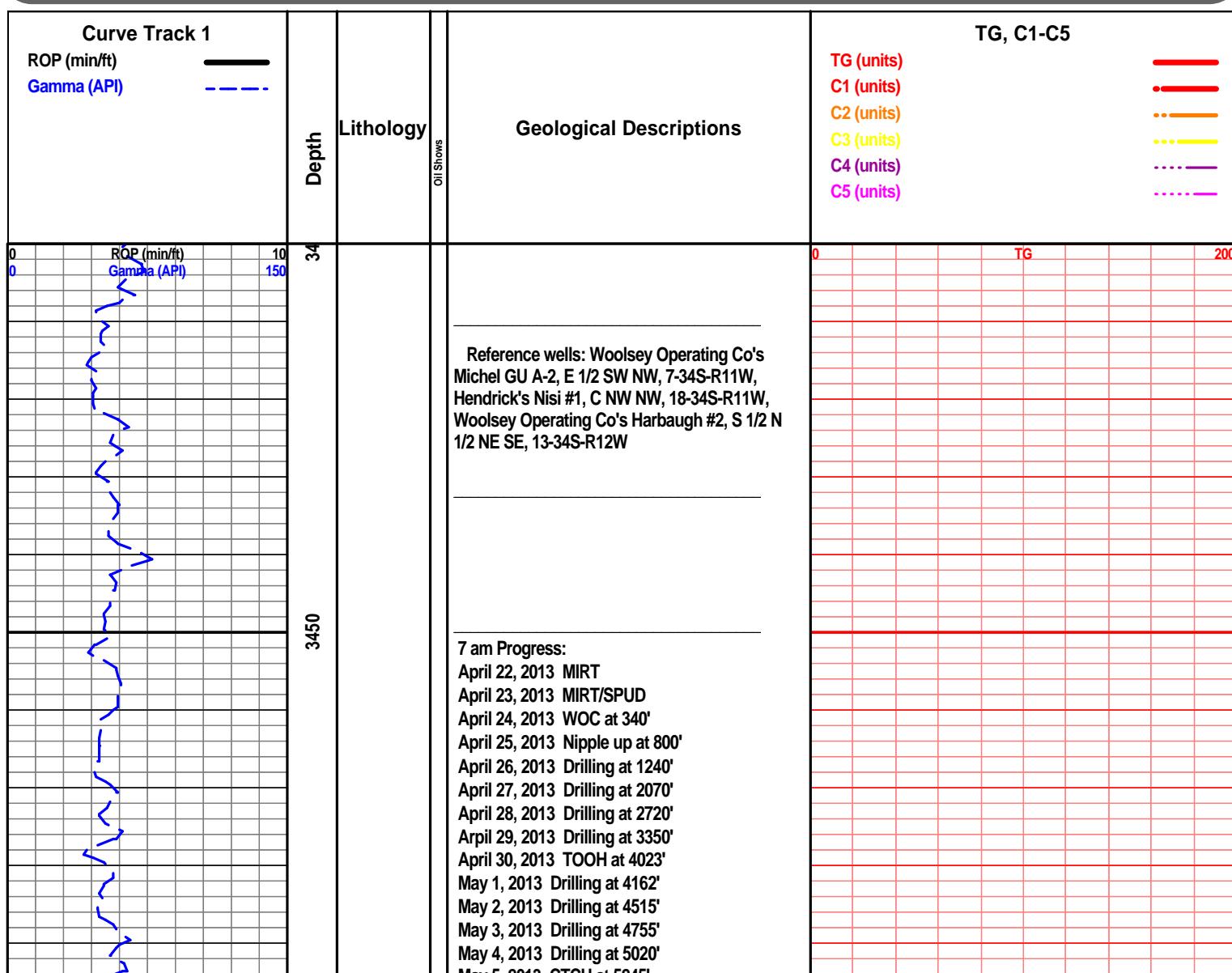
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<input checked="" type="checkbox"/>	Bryozoa
<input checked="" type="checkbox"/>	Cephal
<input checked="" type="checkbox"/>	Coral
<input checked="" type="checkbox"/>	Crin
<input checked="" type="checkbox"/>	Echin
<input checked="" type="checkbox"/>	Fish
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<input checked="" type="checkbox"/>	Oolite
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<input checked="" type="checkbox"/>	Pelec
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<input checked="" type="checkbox"/>	Pisolite
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<input checked="" type="checkbox"/>	Oomoldic

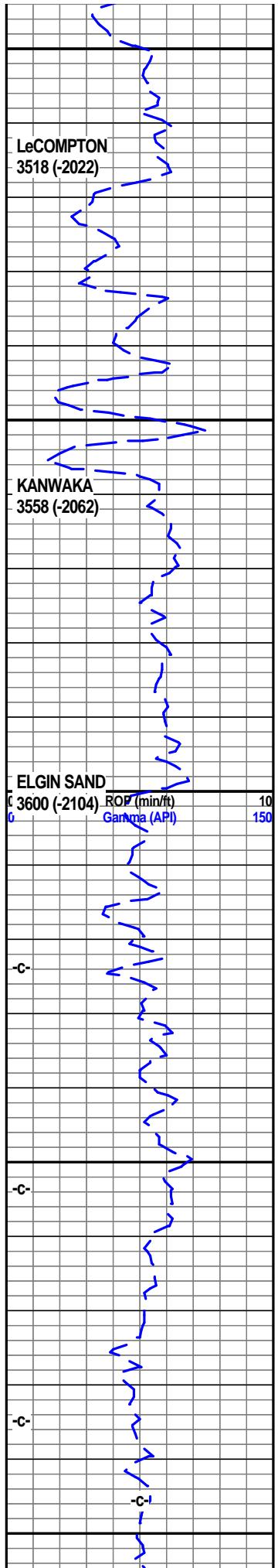
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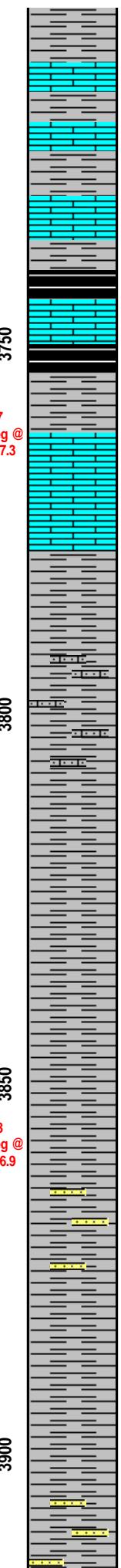
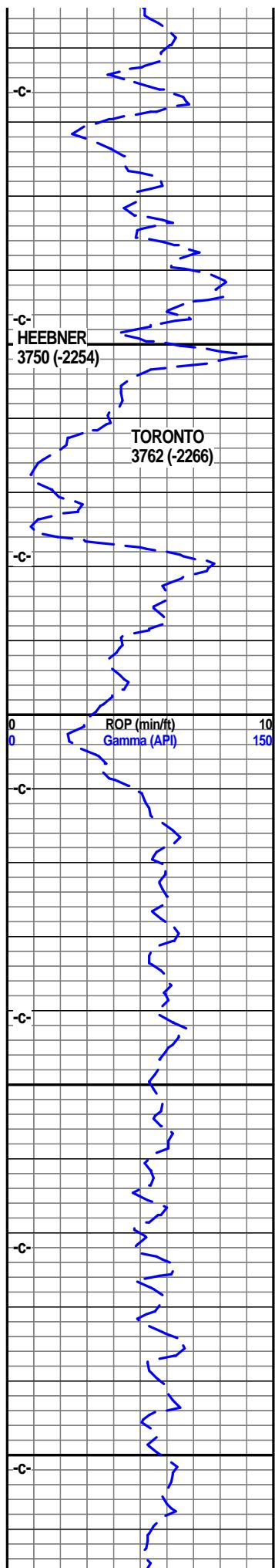
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<input checked="" type="checkbox"/>	Sltstn

TEXTURE	
<input checked="" type="checkbox"/>	Boundst
<input checked="" type="checkbox"/>	Chalky
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<input checked="" type="checkbox"/>	Earthy
<input checked="" type="checkbox"/>	FinexIn
<input checked="" type="checkbox"/>	Grainst
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<input checked="" type="checkbox"/>	Wackest

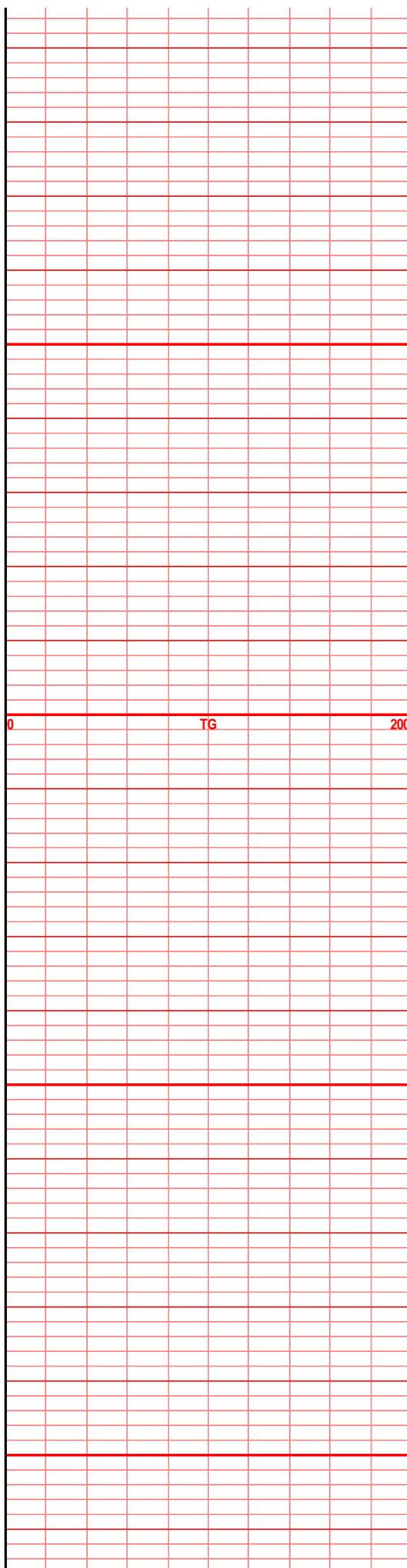


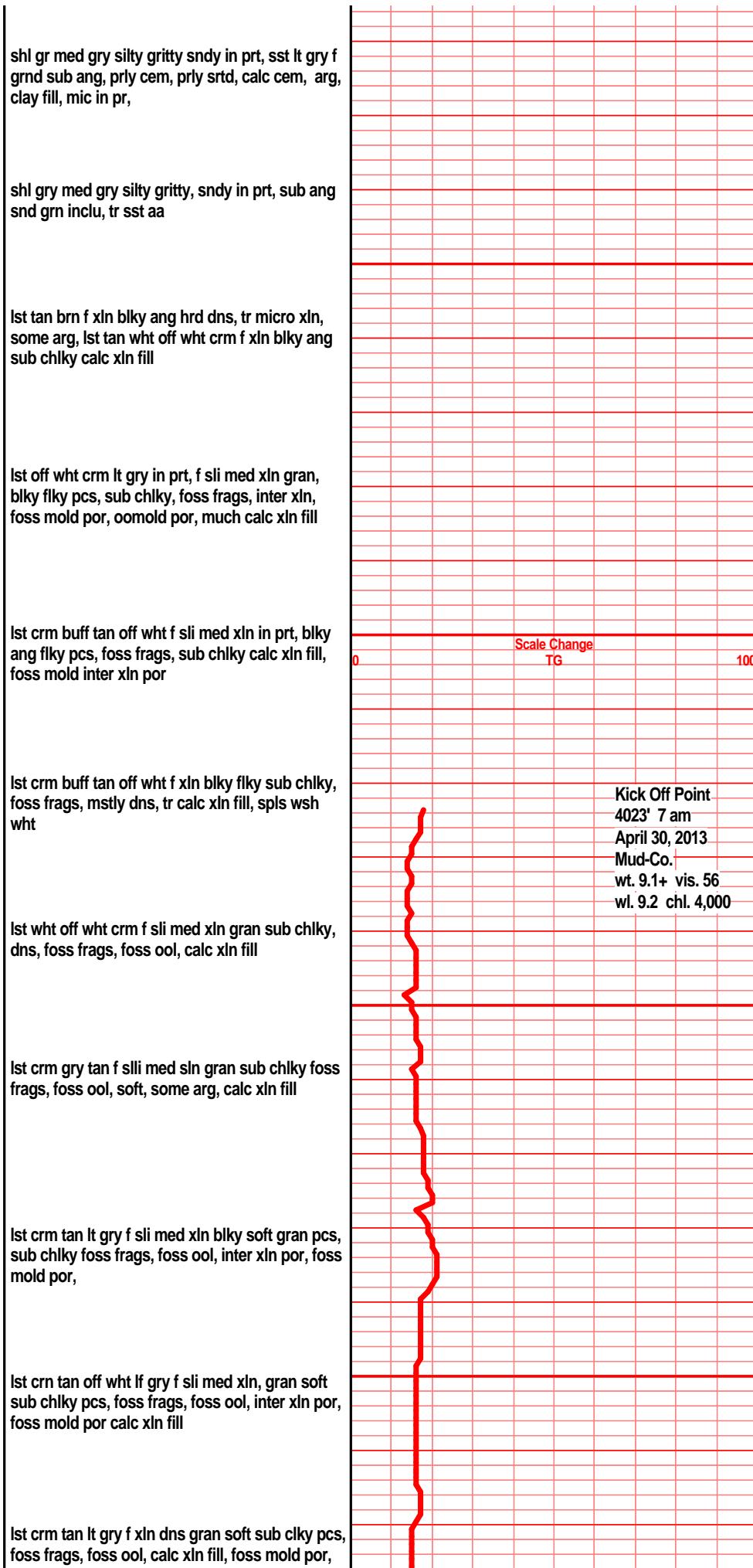
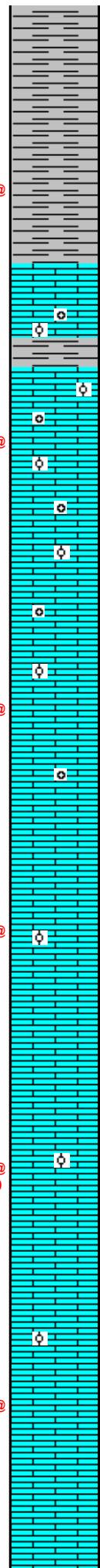
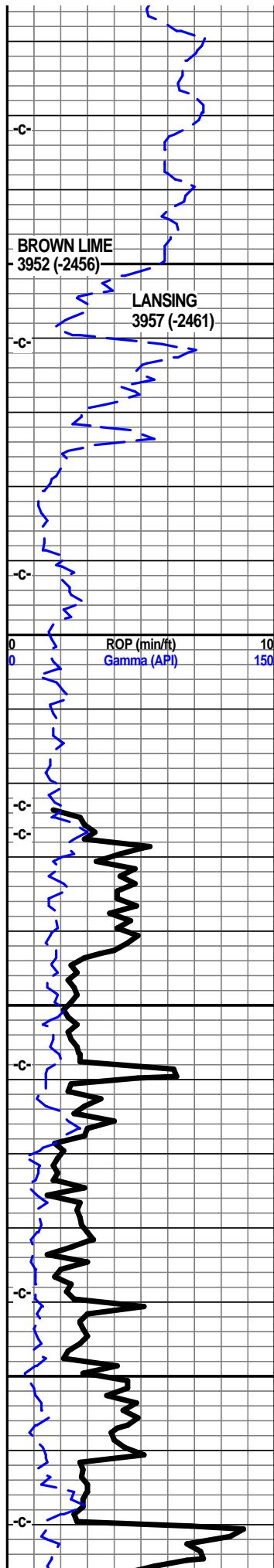
May 5, 2013 C1C1 at 5243

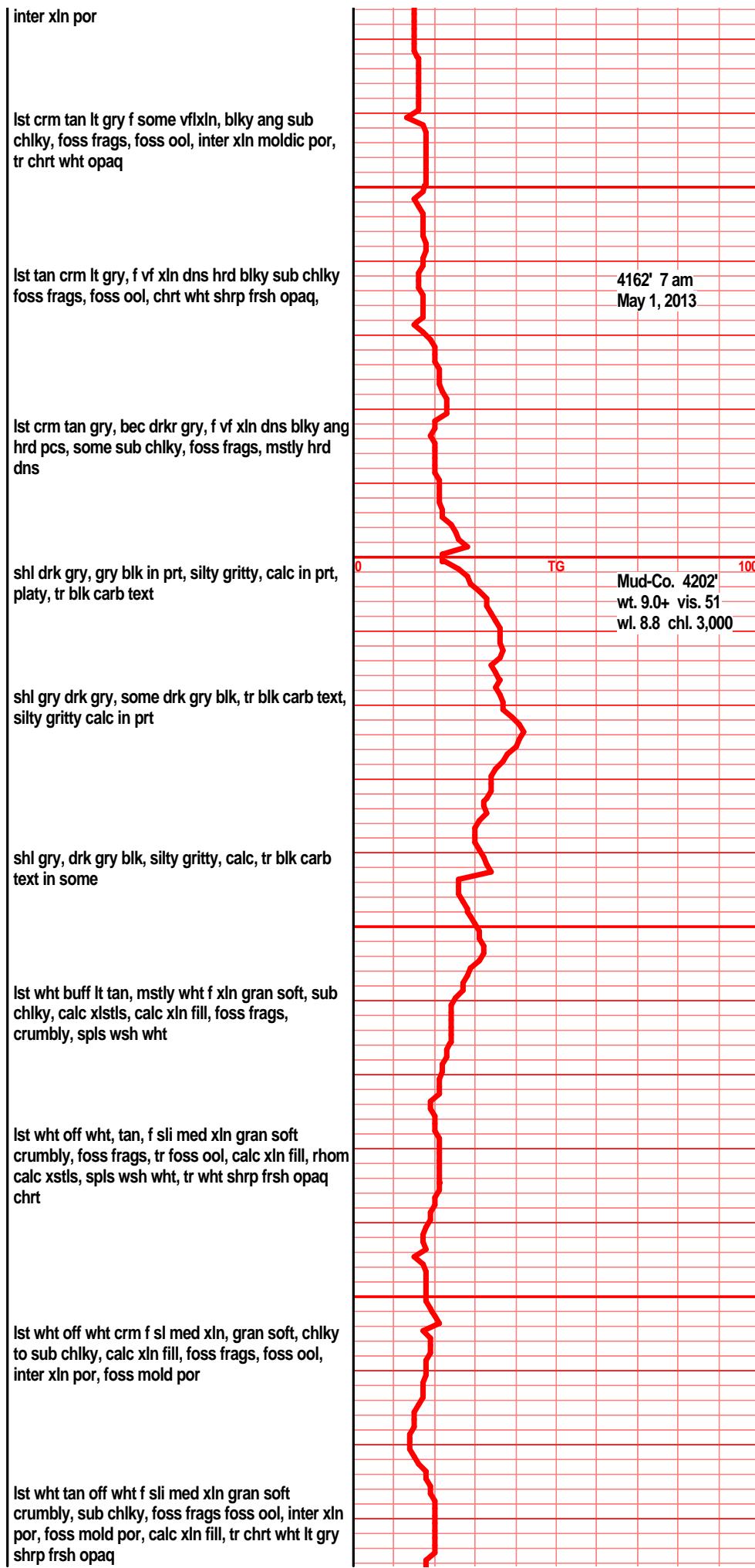
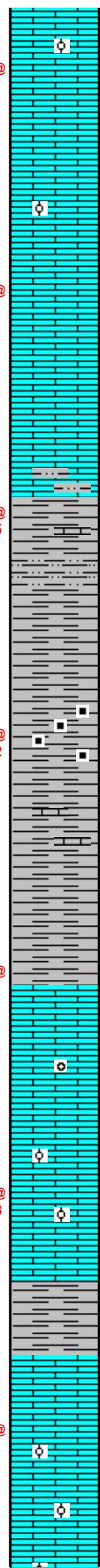
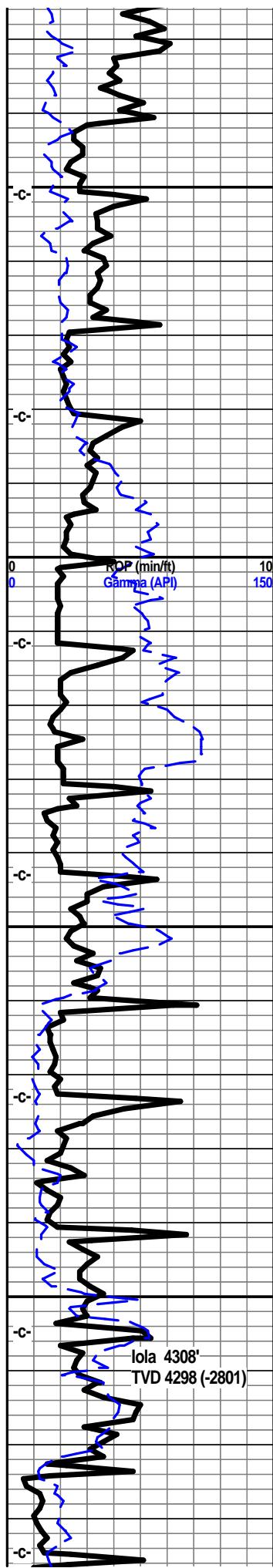


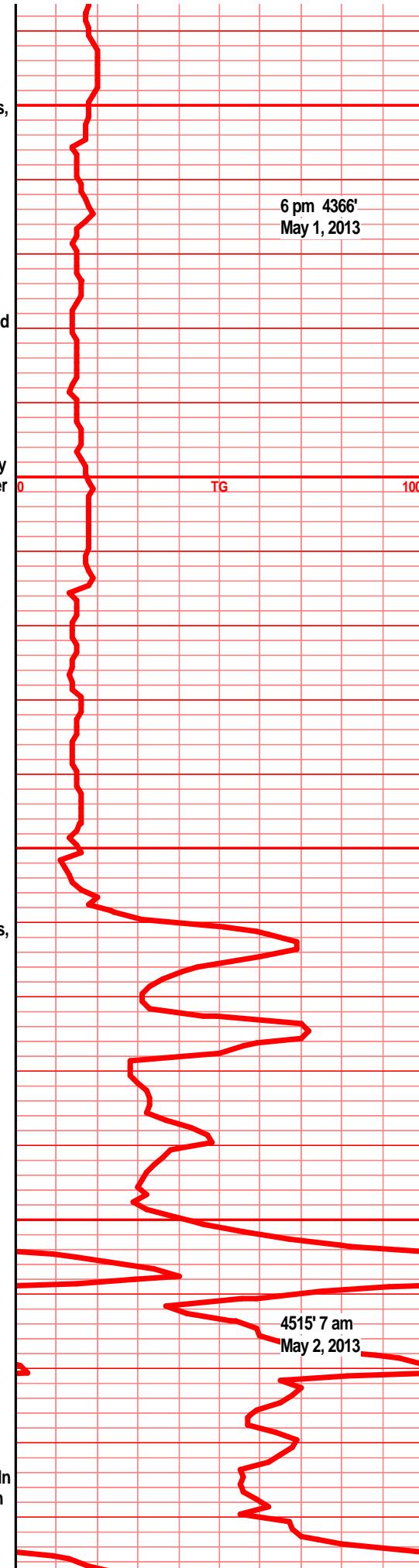
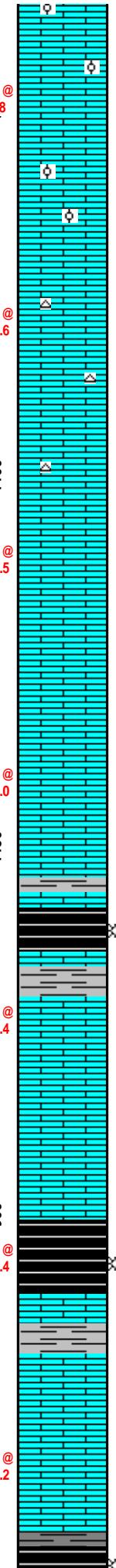
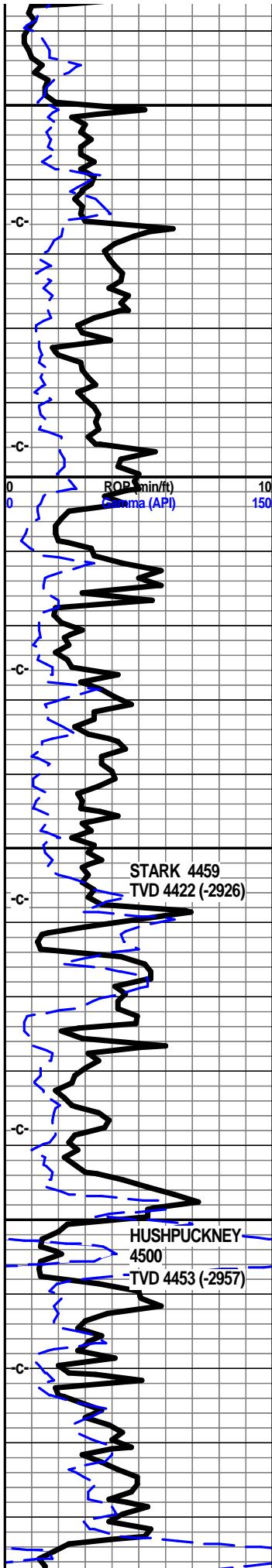


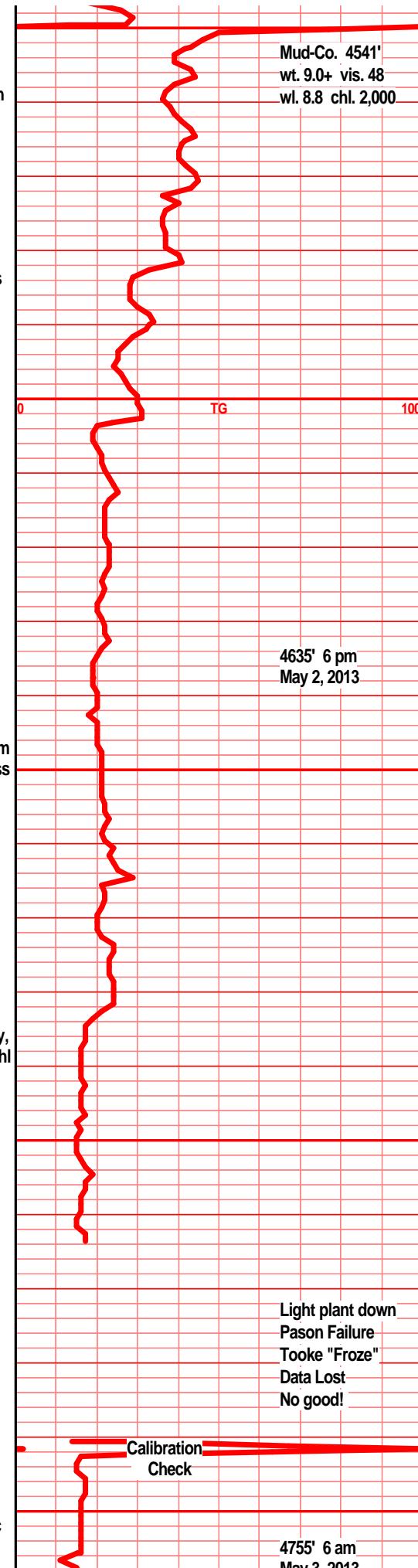
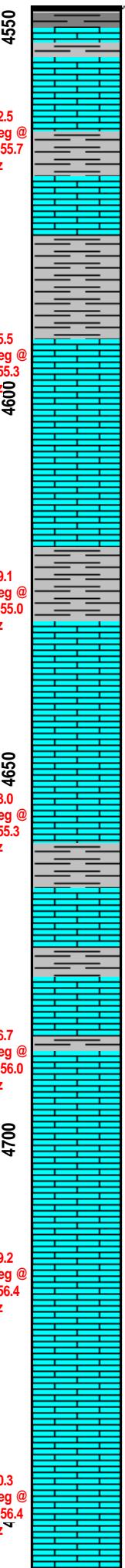
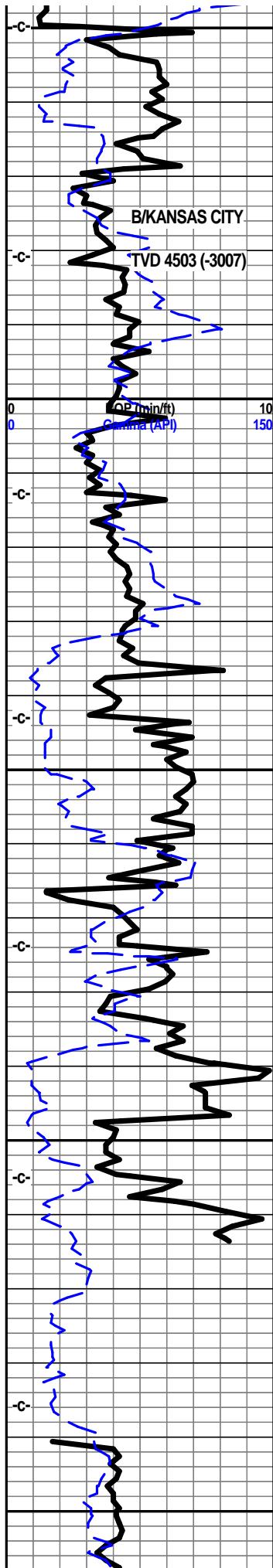
shl grt med drk grt gritty silty sny, sny grn inclu, mic in some, sst lt grt f grnd, sub ang grns, sub ang, prly strd, prly cem, clay fill

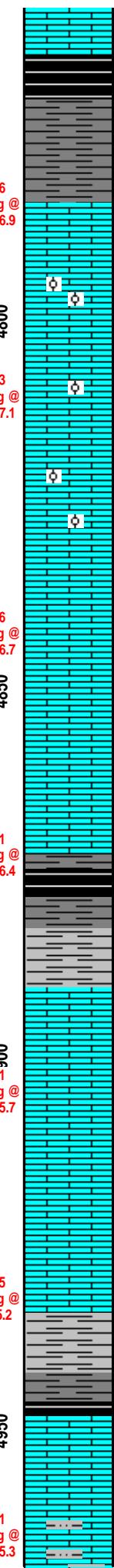
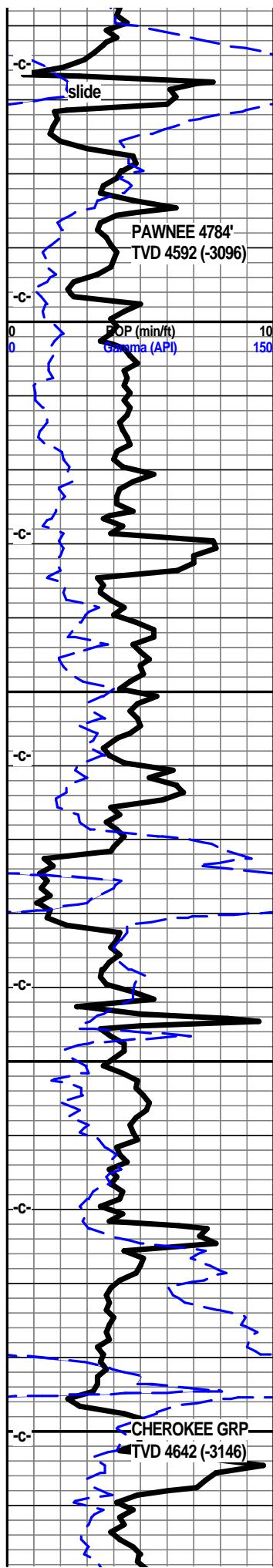












Ist aa, tan crm buff f vf xln dns hrd flky some sli
sub chlkly miro foss frags shls gry, drk gry, drk
gry blk, blk and some blk carb text, tr gas bubs

1st crn buff lt tan f sli med xln, flky tr sub chlyk, foss frags, foss ool, inter ool por with much calc xln fill, tr inter xln por, tr scatt rare gas bubs, tr filmy cond, better brkn

Ist tan buff crm f vf xln flky sub chlky, micro foss frags, calc xln fill, foss frags tr foss ool,

Ist crm buff tan f vf xln blky ang sub chlkys, pc's, micro foss frags, tr foss ool, calc xln fill,

Ist crm buff tan f vf xln blky flky sub chlk micro
foss frags, micro ool, calc xln fill, shl gry drk gry
blk, tr blk carb in prt, tr wxy grsytext

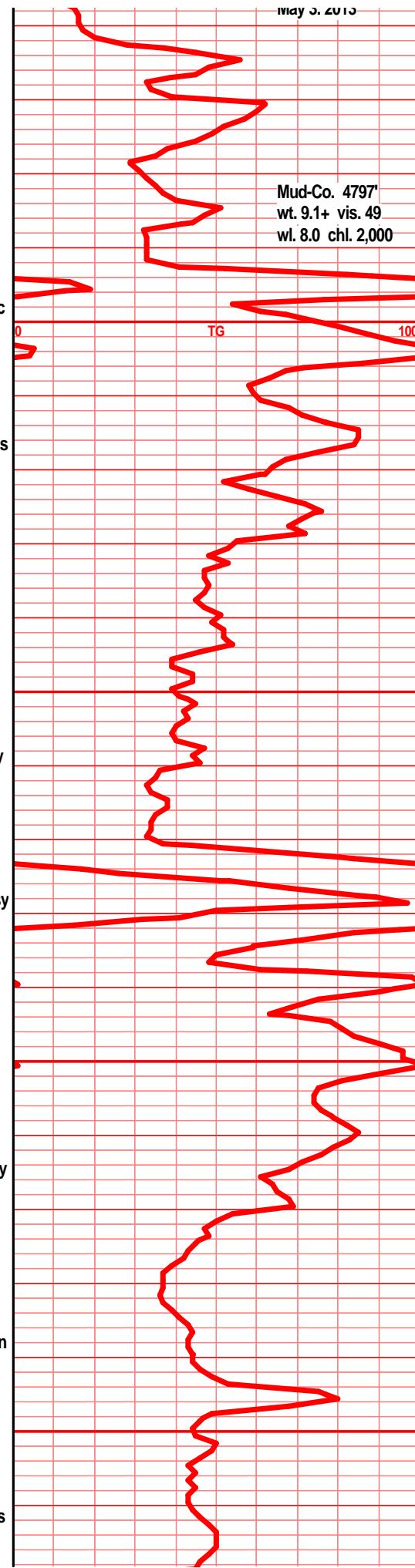
shl gry, drk gry blk, blk carb, gran gritty wxy grsy
pcs, abun gas bubs

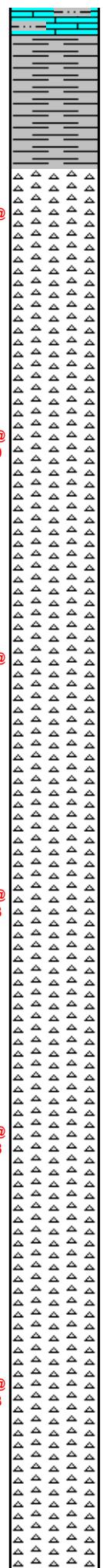
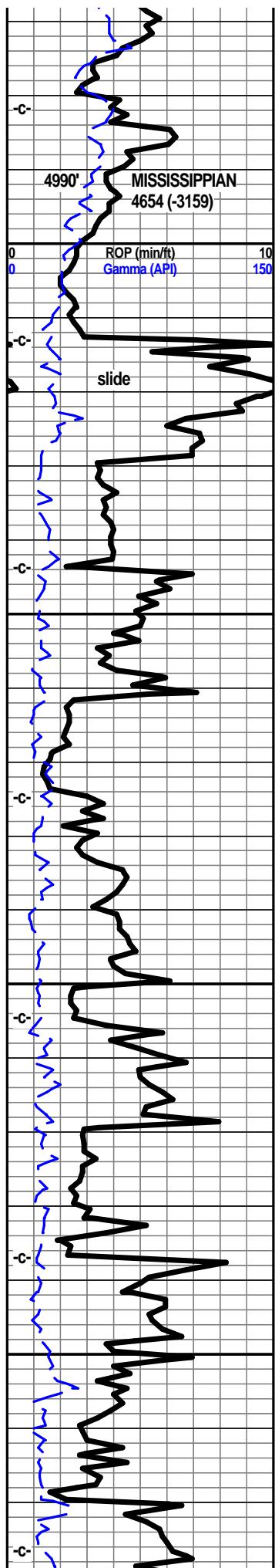
shl gry drk gry blk, ls tan off tan lt gry to buff f
vf xln dns hrd blky flky, micro foss frags

Ist crm buff, lt gry f vf xln blky ang flky sub chlkys
pcs, micro foss frags, some calc xln fill

spl all graphite, ls1 buff gry f vf xln dns blky ang
flky, sub chlky, some soft gran arg, silts, calc xln
fill

Ist off wth lt gry, tr buff/gry f vf xln gran filky, dns
hrd, calc xln fill, micro foss frags, shls gry brn
green silty gritty calc in prt





Ist gry buff tan f vf xln blky ang flky hrld arg silty,
shls gry green blk, ratty silty

chrt It gry, It smokey gry, frsh shrp opaq transl,
sub transp, chrt clr shrp frsh semi opaq, shrp
blkly ang shards

chr It gry, It tan, tr smokey, tr clr, shrp frsh
opaq, trans, tr transp, shrp blky ang shrds, with
chr gry tan mott, It tan brn stain, tr gas bubs, pp
moldic vis frac por, nodor, sli UV, filmy SFO/gas
when brkn

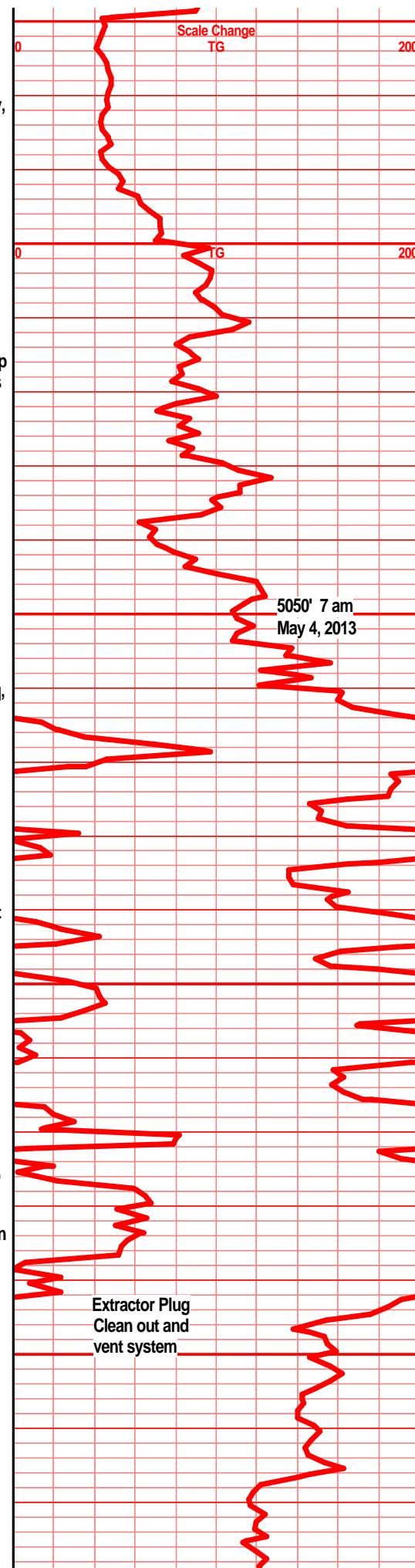
chrt clr, lt gry It smokey gry, shrp frsh opaq,
some clr transp, tr gry transl, blky ang shrds, lt
gry smokey with tan It brn mott stain, scatt UV,
pp sli moldic por, filmy SFO w;brkn, some with
tan It green dolo edge, glau

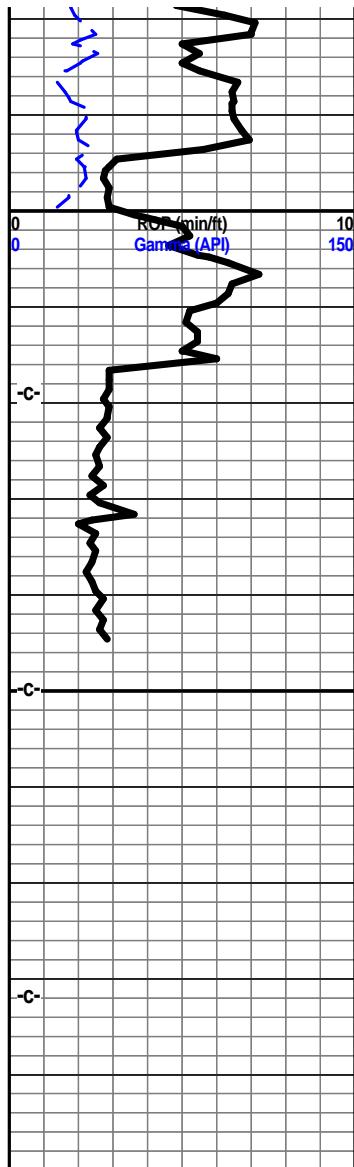
chrt off wht lt gry, lt smokey gry, shrp frsh opaq,
sub transl, some transp, off wht gry chrt w/tan
brn stained sli weath edge text, pp moldic por,
tan brn stained, filmy sfo w/brkn, tr gas, sli UV,
tan crm lt green vf xld dolo edge, tr clau, nodor

chrt lt blue gry, lt smokey gry, shrp frsh opaq,
sub transl, tr transp, frac por with tan stain, chrt
off wht lt gry shrp frsh opaq with sli weath gran
gritty edge, tan brn stain, filmy SFO w;brkn, tr
gas, nodor, sli UV, tan crm lt green f vf xln
dolo/dolo, sub chiky gritty snyd glau with chrt
incl, tr stain

chrt lt grey blku, lt smokey, shrp frsh opaq, sub transl, tr transp, blky ang shards, chrt tan lt brn, dolo in prt, weath gran gritty sli chlk text, pp moldic por, tan lt brn stain, VSSFO/filmy SFO w;brkn, tr gas bubs, sli UV, nodor, dolo tan lt brn f vf ln gran soft chlkly tr glau

chr It gry blue, smokey color, shrp frsh opaq shards, transl, tr transp, chr tan lt brn gry mott, gran sli chlkly weath sli trip text, pp moldic por, tan brn stain, VSSFO/filmly SFO w;brkn, tr gas bubs, tan lt gry/green dolo edge, pp moldic por, tan lt brn stain, sli odor in all?





86.0
deg @
155.2

crm tan lt brn mott, weath gran soft chlkly text,
sli trip text, pp moldic por, tan lt brn stain, sli
odor, SSFO/filmy SFO, gas bubbles on brkn pcs,
crm lt brn dolo edge in prt, glau



chr It gry off wht, shrp frsh opaq, sharp blky
ang shrd, chr It gry tan It brn mott, sli spongy
weath crumbly text, pp moldic por, pp por, tan It
brn stain, VSSFO/gas bubs w;brkn, scatt dull UV,
nodor in any!

5250

chr off wht lt gry lt smokey gry shrp frsh opaq,
sub transl, blk ang shards, chr It gry tan crm
mott, gran weath sli trip type text, pp moldic por,
inter gran por, mstly even tan lt brn stain, VSSFO
w;brkn, sli gas bus, dull scatt UV, nodor in any

