Woolsey Operating Company, LLC

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

Well Name:	**McDaniel #1**		
Location:	**C SW NW NE**		
License Number:	**15-077-21712**	**Region:**	**Barber Co, KS**
Spud Date:	**November 11, 2010**	**Drilling Completed:**	**November 22, 2010**
Surface Coordinates:	**990' FNL & 2310' FEL Sec 15 Twp 32S-Rge 9W**		
	Wildcat		
Bottom Hole Coordinates:	**Verticle Hole**		
Ground Elevation (ft):	**1459'**	**K.B. Elevation (ft):**	**1470'**
Logged Interval (ft):	**To:**	**Total Depth (ft):**	**4964'**
Formation:	**Total Depth in Arbuckle**		
Type of Drilling Fluid:	**Chemical Displaced at 2986'**		

Printed by WellSight Log Viewer 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**

COMMENTS

Surface Casing: Ran 6 joints new 10 3/4" X 32.75# to 247' KB with 230 sx, 2% gel, 3% cc. Cement did circulate.
Production Casing:

Deviation Surveys: 3/4 at 250', 1/2 at 752', 3/4 at 1254', 1/2 at 1779', 3/4 at 2229', 1/2 at 2772', 1/2 at 3276', 3/4 at 3773', 1/2 at 4580',
Pipe Strap @ 4647', strap: 4674.19', board: 4674.24. .05' short.
Duke Drilling Rig 10 Bit Record:
#1 14 3/4" HTC RR in at 0' out at 250', 250'/7 hours
#2 7 7/8" Varrel HE-29 in at 247' out at 4647', 4397'/142 hours
#3 7 7/8" Varrel HE-29 RR in at 4647'
Gas Detector: Woolsey Operating Co. Gas Trailer #2
Mud System: Mud Co. Brad Bortz, Aaron Rush, Engineers
DSTs: No formation tests were ran.
OH Logs:

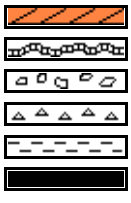
Note: Log Depths

DSTs

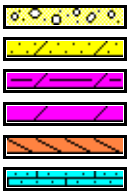
CREWS

Joe Livingston, Tool Pusher (Semi-Retired)
Alejandro Ordonez, Morning
Scott Edwards, Days
Colby Crawford, Evening
Ron Burns, Relief

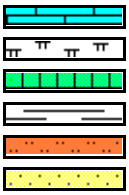
ROCK TYPES



Anhy
Bent
Brec
Cht
Clyst
Coal



Congl
Sdy dolo
Shy dolo
Dol
Gyp
Sdy lmst



Lmst
Mrlst
Salt
Shale
Sltst
Ss

Black sh
Gry sh
Shale
Shysltst
Sltysh

ACCESSORIES

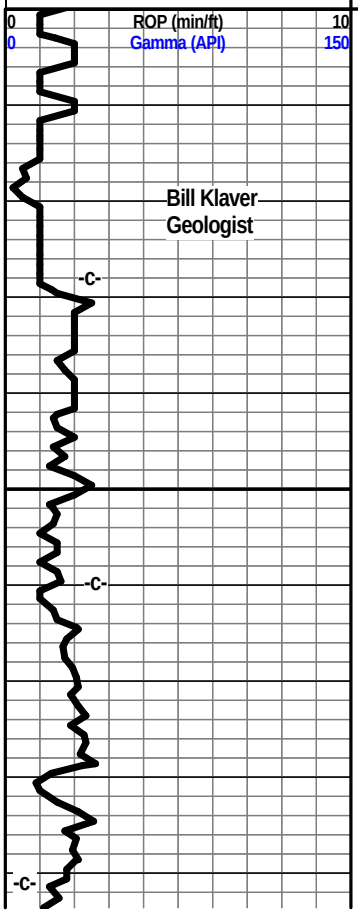
MINERAL
- Anhy
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Ferrpel
- Ferr
- Glau
- Gyp
- Marl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Chlorite
- Dol
- Sand
- Slty

FOSSIL
- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomoldic

STRINGER
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh
- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE
- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

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) C5 (units)



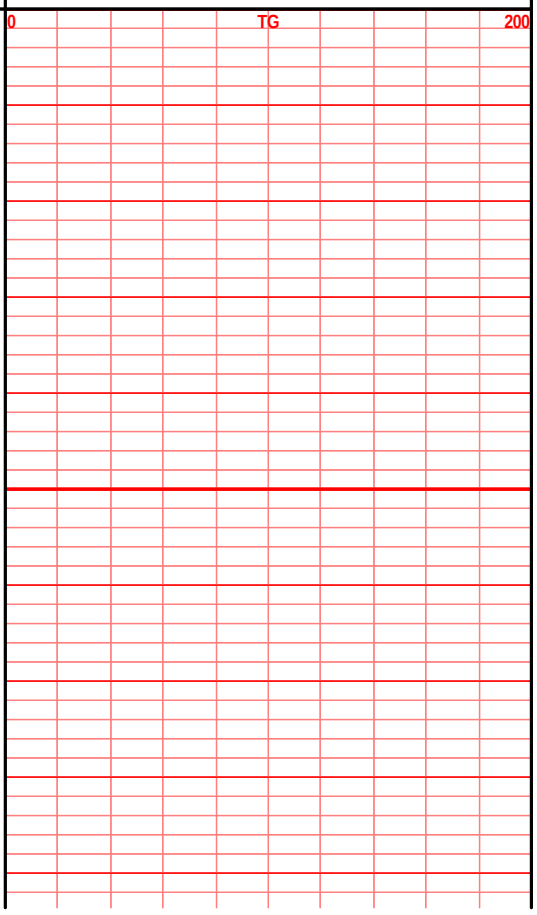
25

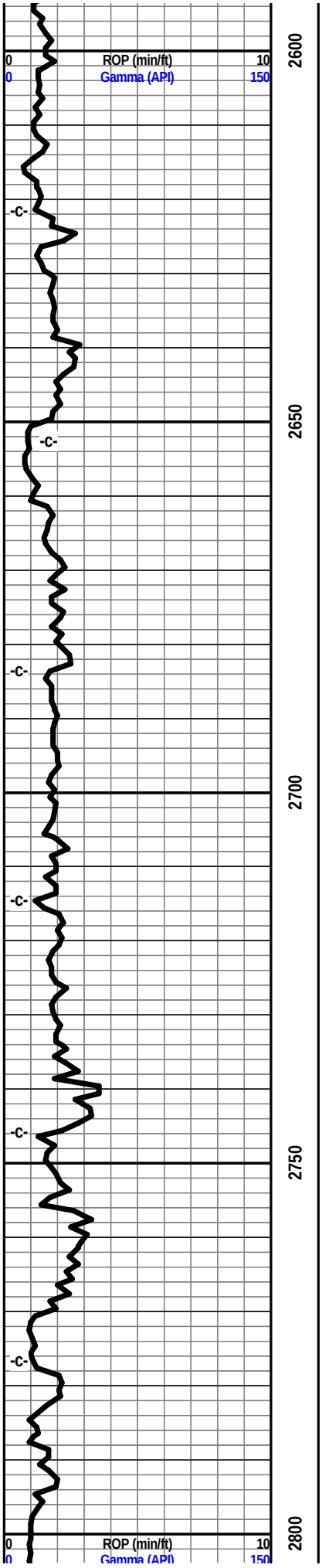
2550

Reference wells for structural control: Graves Drilling Co. Biberstein #1, S 1/2 NE, 15-T32S-R9W, Pickrell Drilling Co. Bowerman Farm 1-A, C NW NE, 21-T32S-R9W. R. C. Patton Co. Biberstein #1, SE SE NW, 14-T32S-R9W.

One minute drill time was recorded from 2500' to rotary total depth. Ten foot samples were gathered from 3000' to rotary total depth. All samples were delivered to the Survey.

7 am Daily Progress
November 10, 2010 MIRT
November 11, 2010 MIRT/SPUD
November 12, 2010 Surface set 9 am
November 13, 2010 Drilling at 700'
November 14, 2010 Drilling at 1647'
November 15, 2010 Drilling at 2292'
November 16, 2010 Drilling at 2992'
November 17, 2010 Drilling at 3560'
November 18, 2010 Drilling at 4052'
November 19, 2010 Drilling at 4303'
November 20, 2010 Drilling at 4562'





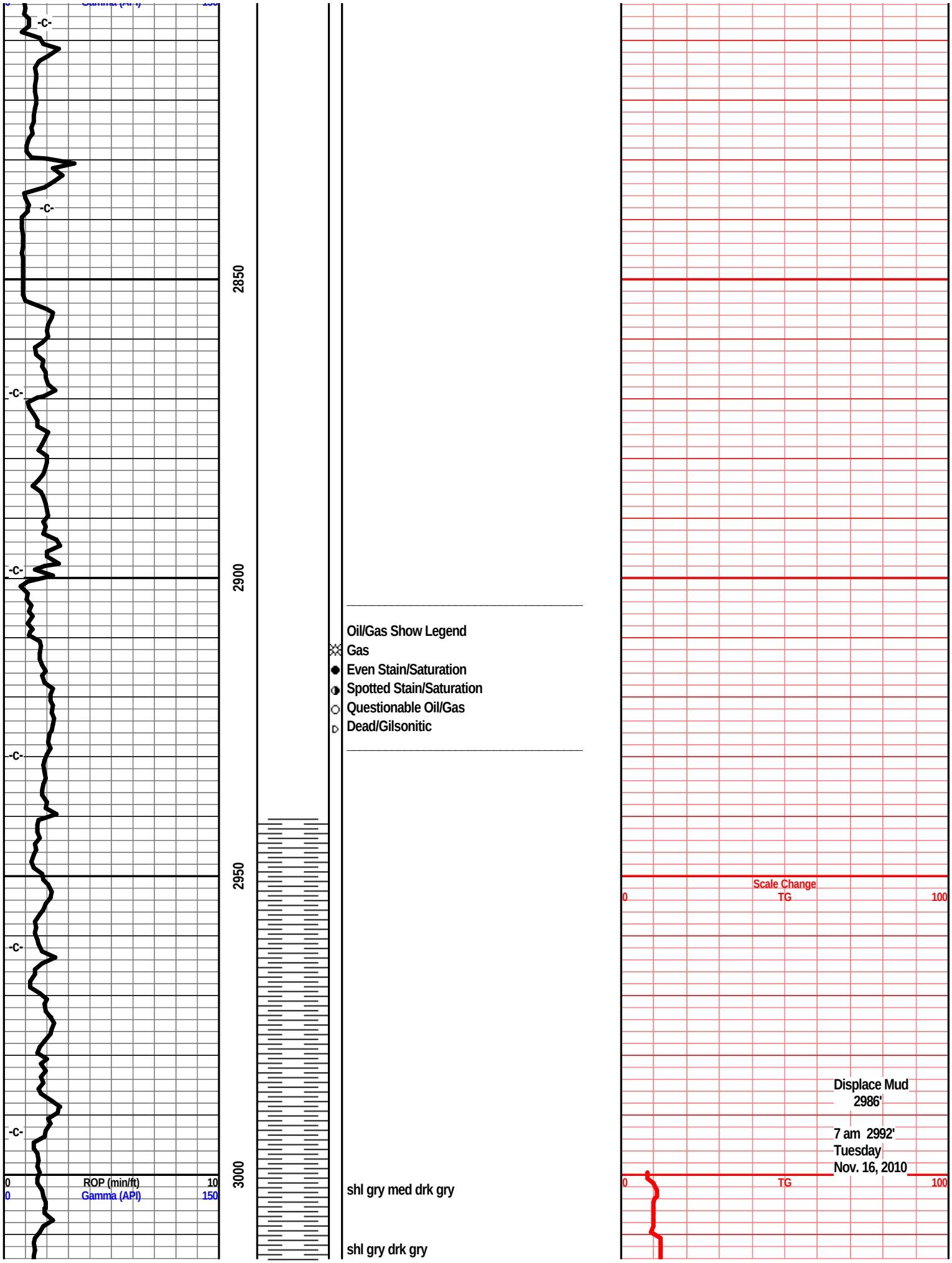
2600
2650
2700
2750
2800

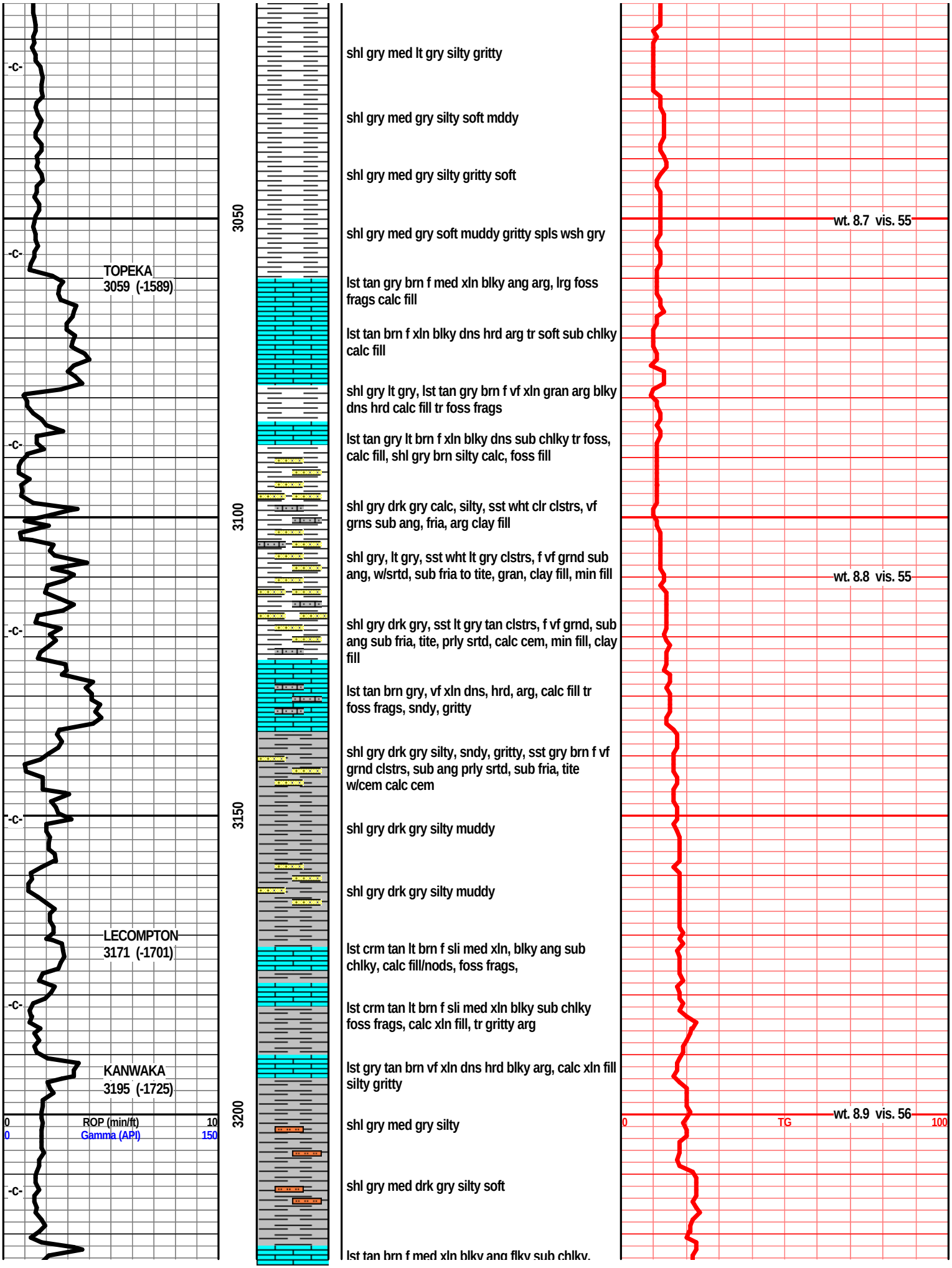
November 21, 2010 Drilling at 4732'
November 22, 2010 Drilling at 4930'

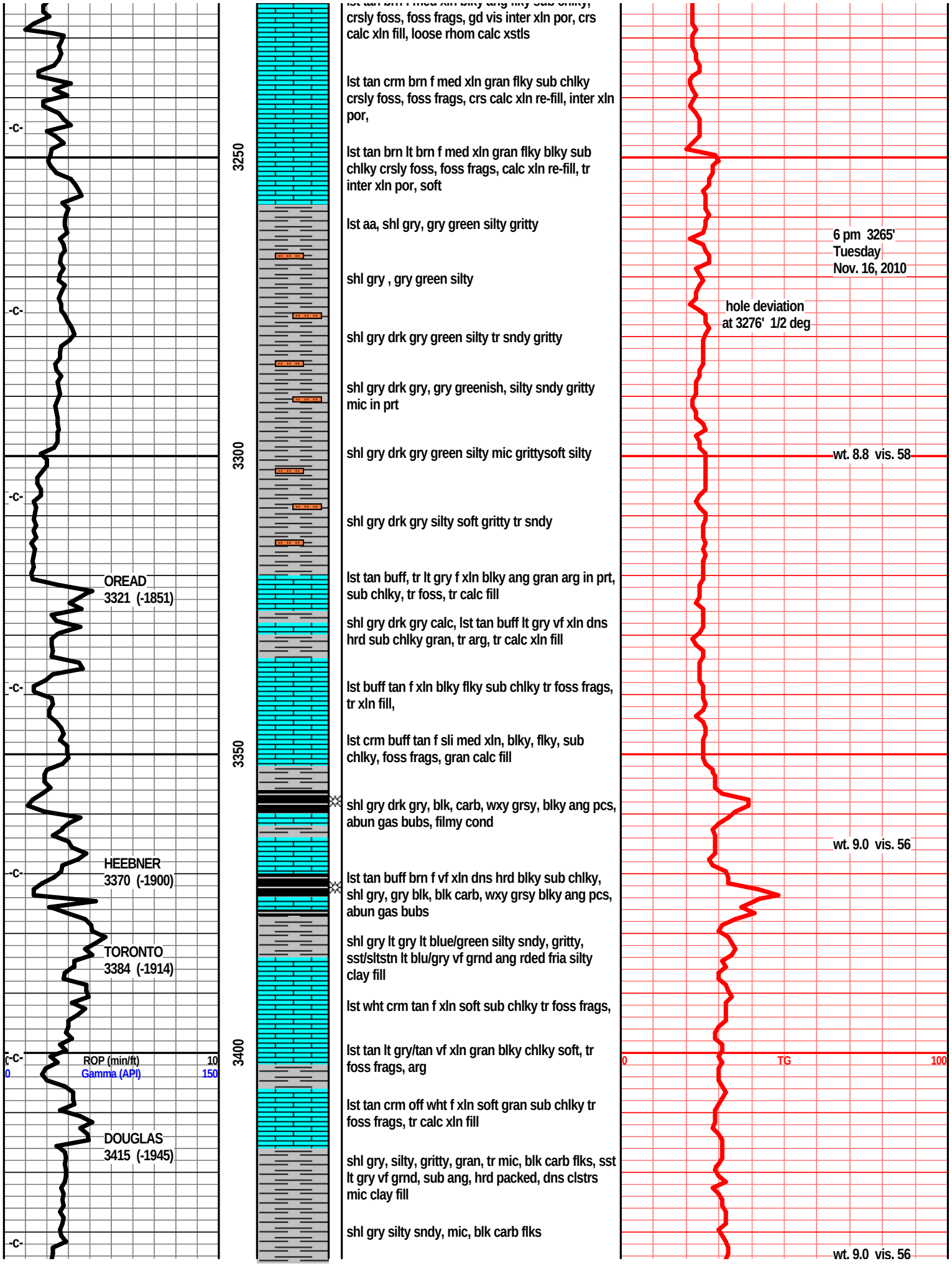
E-Log Tops:
Chase
Onaga
Wabaunsee
LeCompton
Kanwaka
Elgin Sand
Heebner
Toronto
Douglas
Brown Lime
Stalnaker
KC 'Iola'
KC 'Dennis'
Stark
KC 'Swope'
Hushpuckney
KC 'Hertha'
B/Kansas City
Pawnee
Cherokee Grp
Mississippi
Osage
Compton
Kinderhook
Woodford
Viola
Simpson
Wilcox
McLish Shl
McLish Sand
Arbuckle
LTD

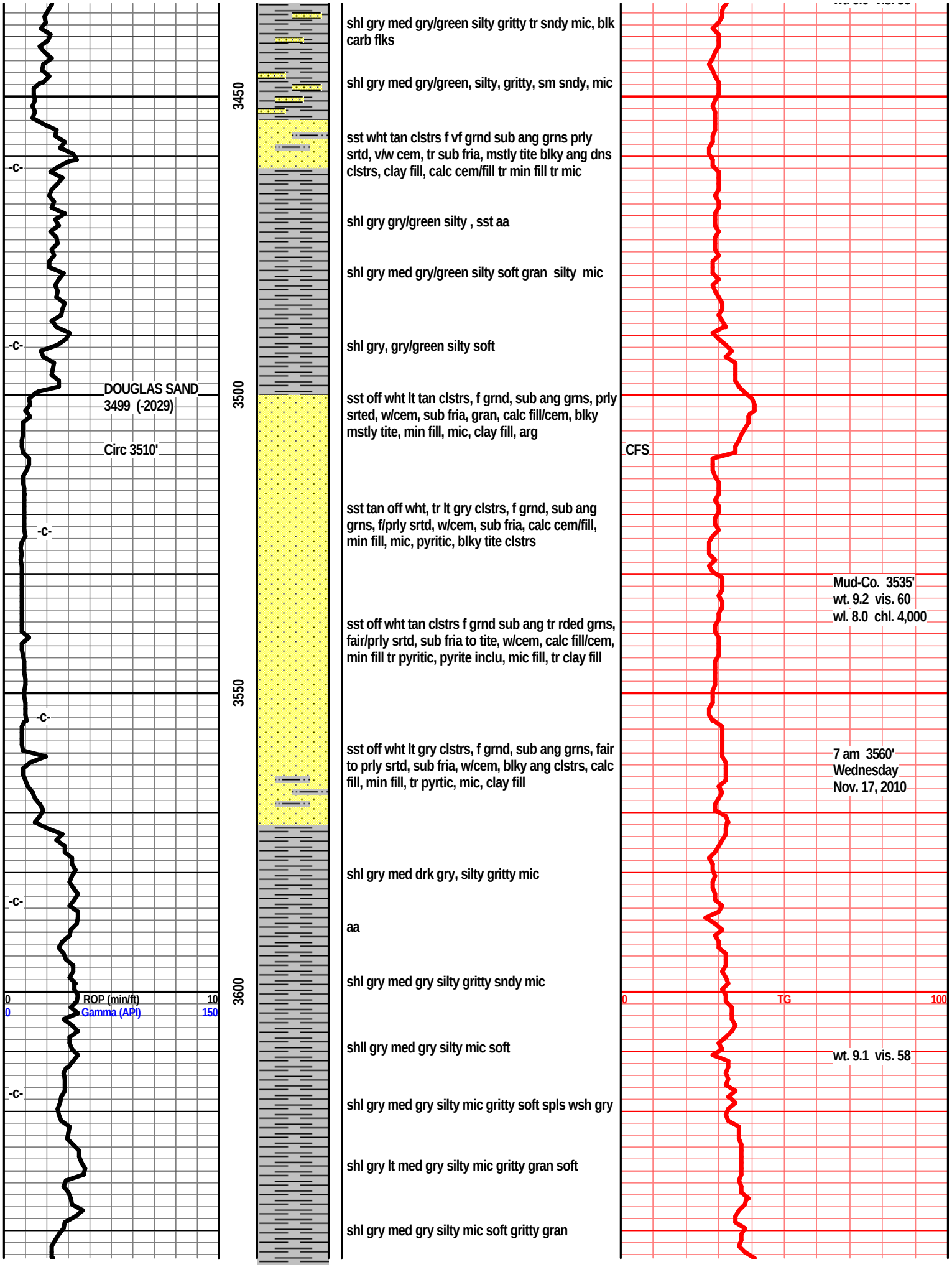
0 TG 200

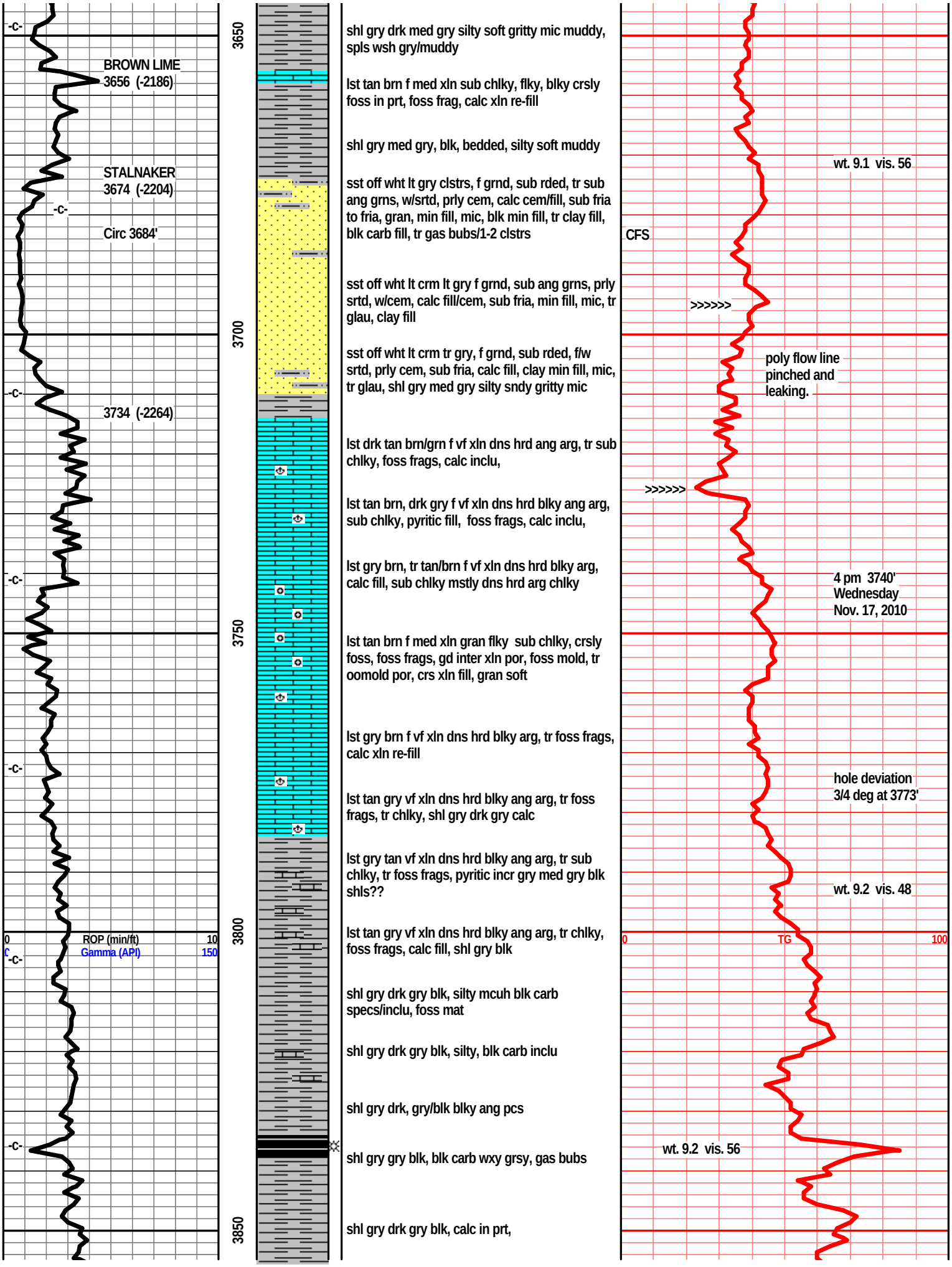
0 TG 200

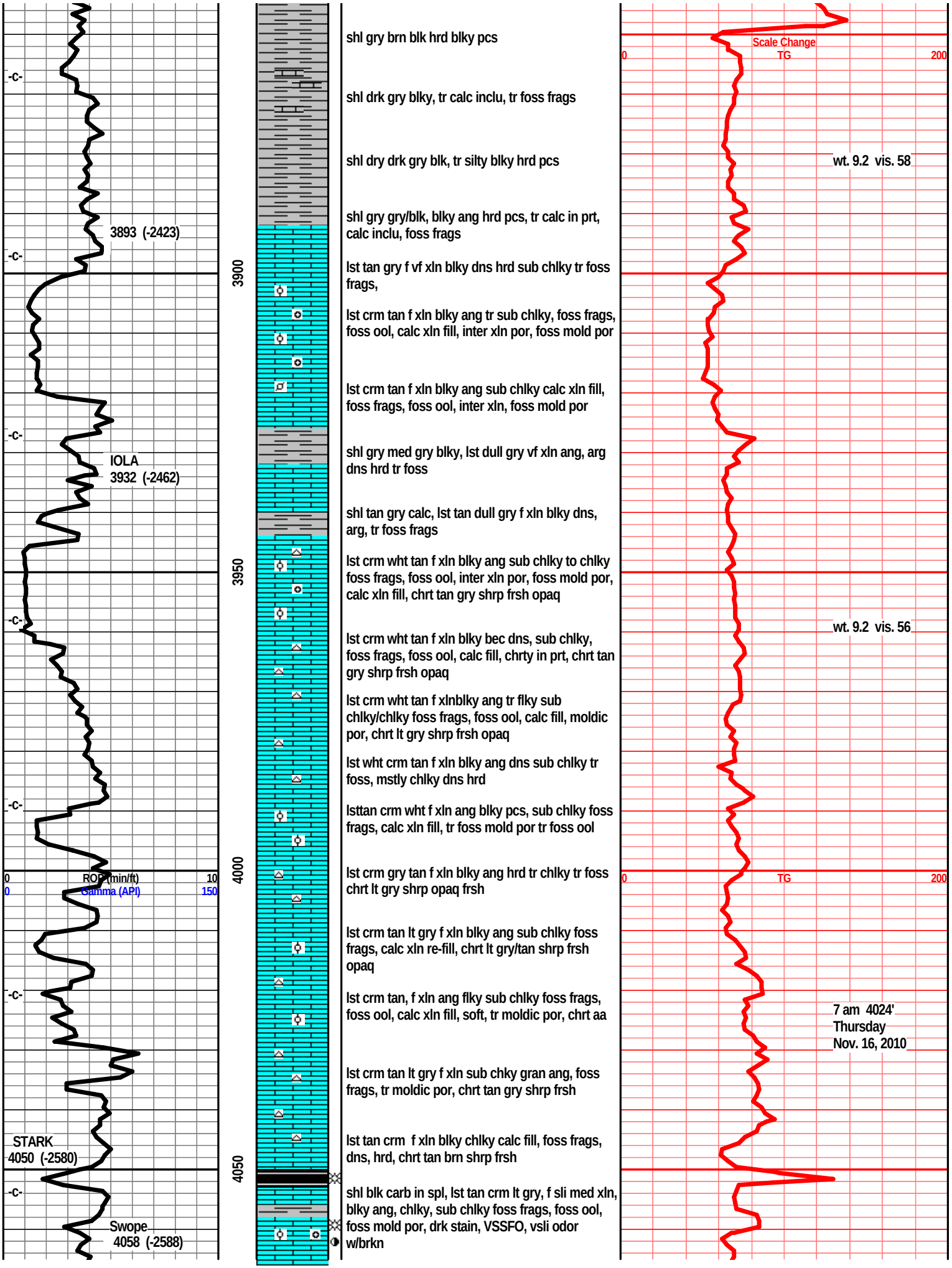

-C-
-C-
-C-
-C-
-C-
-C-
2850
2900
2950
3000
0
ROP (min/ft)
10
0
Gamma (API)
150
Oil/Gas Show Legend
Gas
Even Stain/Saturation
Spotted Stain/Saturation
Questionable Oil/Gas
Dead/Gilsonitic
shl gry med drk gry
shl gry drk gry
Scale Change
0
TG
100
Displace Mud
2986'
7 am 2992'
Tuesday
Nov. 16, 2010
0
TG
100

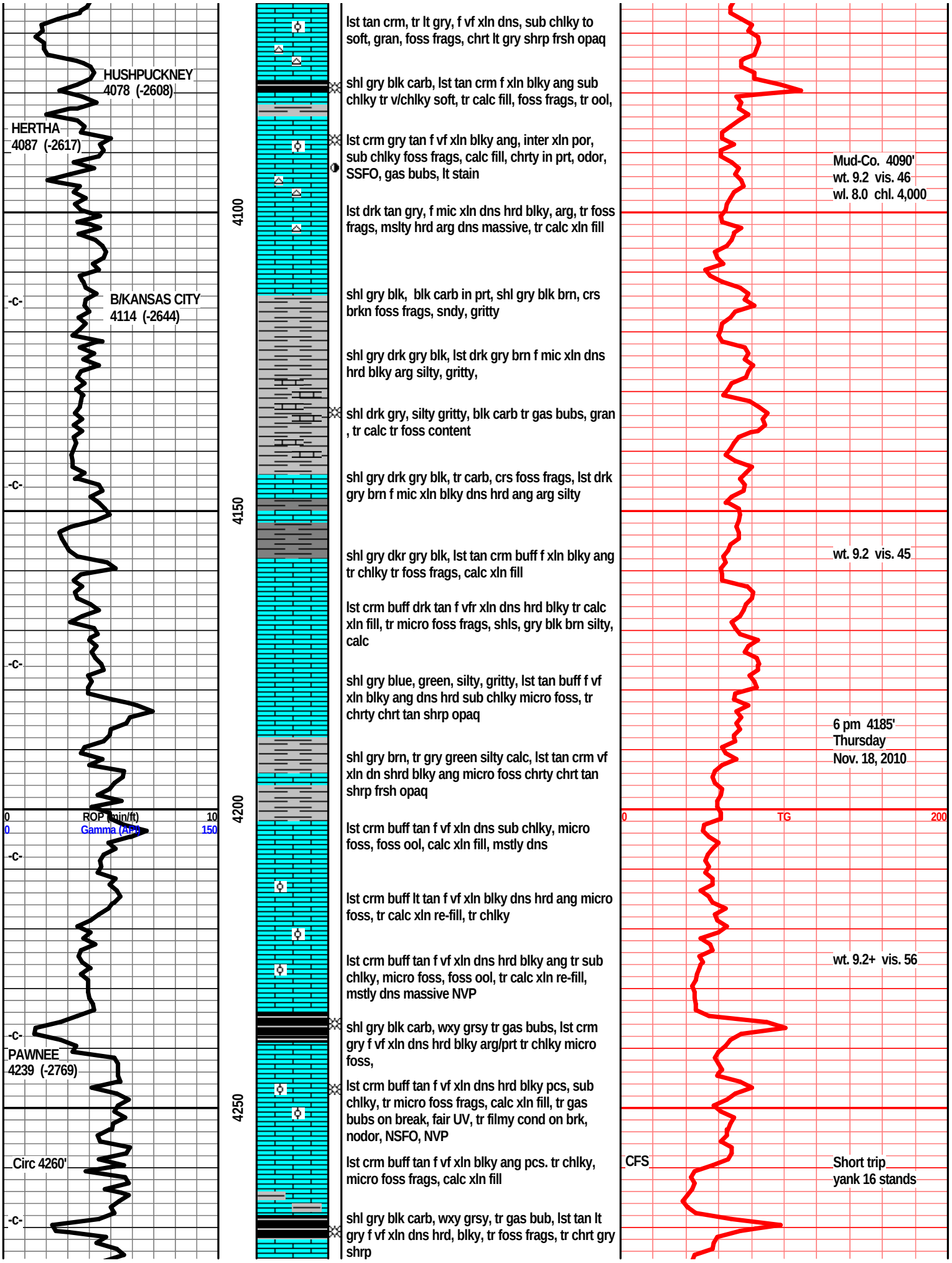

-C-
TOPEKA
3059 (-1589)
LECOMPTON
3171 (-1701)
KANWAKA
3195 (-1725)
0
ROP (min/ft)
10
0
Gamma (API)
150
3050
3100
3150
3200
shl gry med lt gry silty gritty
shl gry med gry silty soft mddy
shl gry med gry silty gritty soft
shl gry med gry soft muddy gritty spls wsh gry
lst tan gry brn f med xln blky ang arg, lrg foss frags calc fill
lst tan brn f xln blky dns hrd arg tr soft sub chlky calc fill
shl gry lt gry, lst tan gry brn f vf xln gran arg blky dns hrd calc fill tr foss frags
lst tan gry lt brn f xln blky dns sub chlky tr foss, calc fill, shl gry brn silty calc, foss fill
shl gry drk gry calc, silty, sst wht clr clstrs, vf grns sub ang, fria, arg clay fill
shl gry, lt gry, sst wht lt gry clstrs, f vf grnd sub ang, w/srtd, sub fria to tite, gran, clay fill, min fill
shl gry drk gry, sst lt gry tan clstrs, f vf grnd, sub ang sub fria, tite, prly srtd, calc cem, min fill, clay fill
lst tan brn gry, vf xln dns, hrd, arg, calc fill tr foss frags, sndy, gritty
shl gry drk gry silty, sndy, gritty, sst gry brn f vf grnd clstrs, sub ang prly srtd, sub fria, tite w/cem calc cem
shl gry drk gry silty muddy
shl gry drk gry silty muddy
lst crm tan lt brn f sli med xln, blky ang sub chlky, calc fill/nods, foss frags,
lst crm tan lt brn f sli med xln blky sub chlky foss frags, calc xln fill, tr gritty arg
lst gry tan brn vf xln dns hrd blky arg, calc xln fill silty gritty
shl gry med gry silty
shl gry med drk gry silty soft
lst tan brn f med xln blky ang flky sub chlky,
wt. 8.7 vis. 55
wt. 8.8 vis. 55
wt. 8.9 vis. 56
0
TG
100

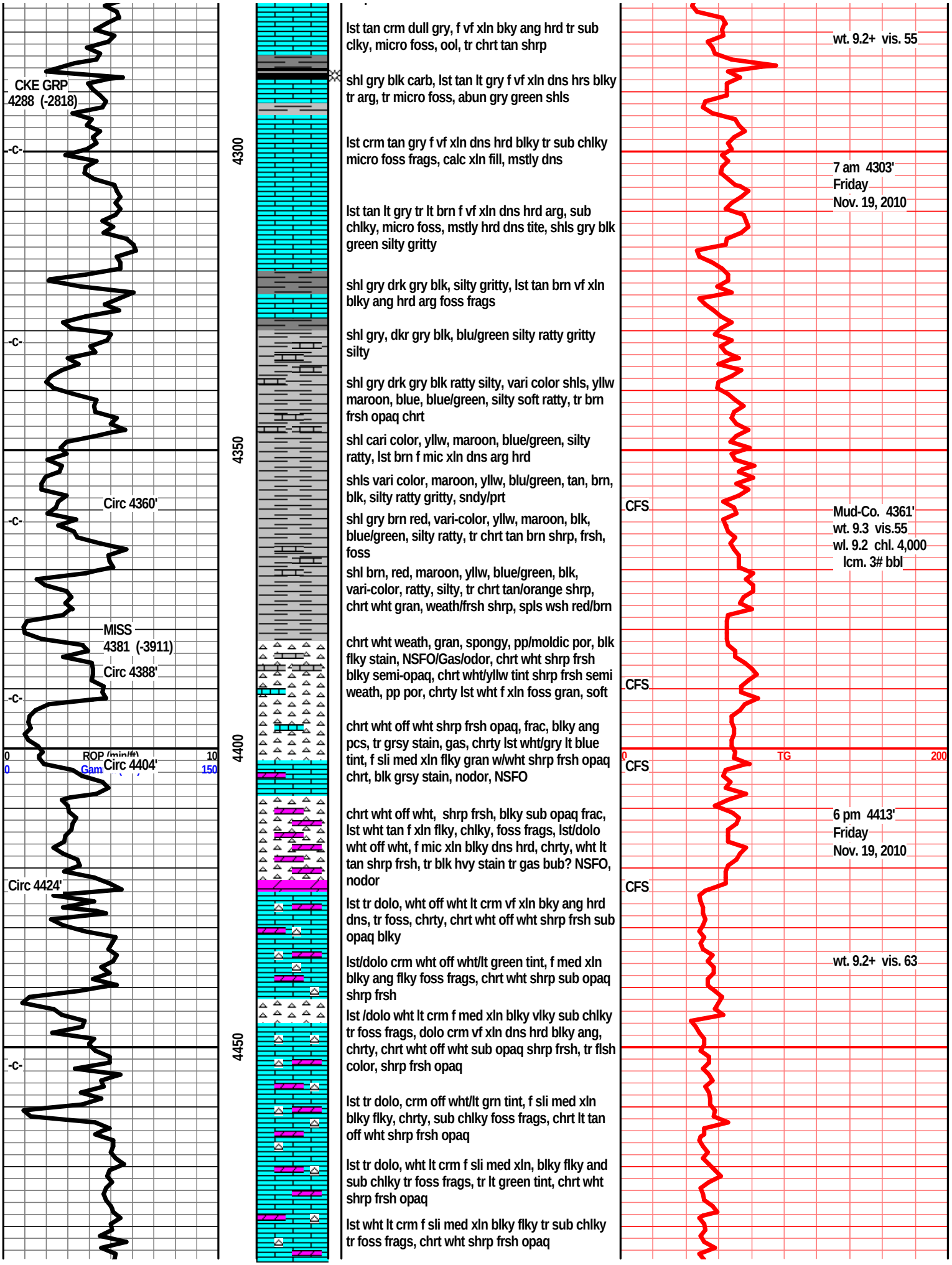

-c-
-c-
-c-
-c-
-c-
-c-
-c-
OREAD
3321 (-1851)
HEEBNER
3370 (-1900)
TORONTO
3384 (-1914)
DOUGLAS
3415 (-1945)
ROP (min/ft)
10
0
Gamma (API)
150
3250
3300
3350
3400
crsly foss, foss frags, gd vis inter xln por, crs calc xln fill, loose rhom calc xstls
lst tan crm brn f med xln gran flky sub chlky crsly foss, foss frags, crs calc xln re-fill, inter xln por,
lst tan brn lt brn f med xln gran flky blky sub chlky crsly foss, foss frags, calc xln re-fill, tr inter xln por, soft
lst aa, shl gry, gry green silty gritty
shl gry , gry green silty
shl gry drk gry green silty tr sndy gritty
shl gry drk gry, gry greenish, silty sndy gritty mic in prt
shl gry drk gry green silty mic grittysoft silty
shl gry drk gry silty soft gritty tr sndy
lst tan buff, tr lt gry f xln blky ang gran arg in prt, sub chlky, tr foss, tr calc fill
shl gry drk gry calc, lst tan buff lt gry vf xln dns hrd sub chlky gran, tr arg, tr calc xln fill
lst buff tan f xln blky flky sub chlky tr foss frags, tr xln fill,
lst crm buff tan f sli med xln, blky, flky, sub chlky, foss frags, gran calc fill
shl gry drk gry, blk, carb, wxy grsy, blky ang pcs, abun gas bubs, filmy cond
lst tan buff brn f vf xln dns hrd blky sub chlky, shl gry, gry blk, blk carb, wxy grsy blky ang pcs, abun gas bubs
shl gry lt gry lt blue/green silty sndy, gritty, sst/sltstn lt blu/gry vf grnd ang rded fria silty clay fill
lst wht crm tan f xln soft sub chlky tr foss frags,
lst tan lt gry/tan vf xln gran blky chlky soft, tr foss frags, arg
lst tan crm off wht f xln soft gran sub chlky tr foss frags, tr calc xln fill
shl gry, silty, gritty, gran, tr mic, blk carb flks, sst lt gry vf grnd, sub ang, hrd packed, dns clstrs mic clay fill
shl gry silty sndy, mic, blk carb flks
6 pm 3265'
Tuesday
Nov. 16, 2010
hole deviation
at 3276' 1/2 deg
wt. 8.8 vis. 58
wt. 9.0 vis. 56
0
TG
100
wt. 9.0 vis. 56

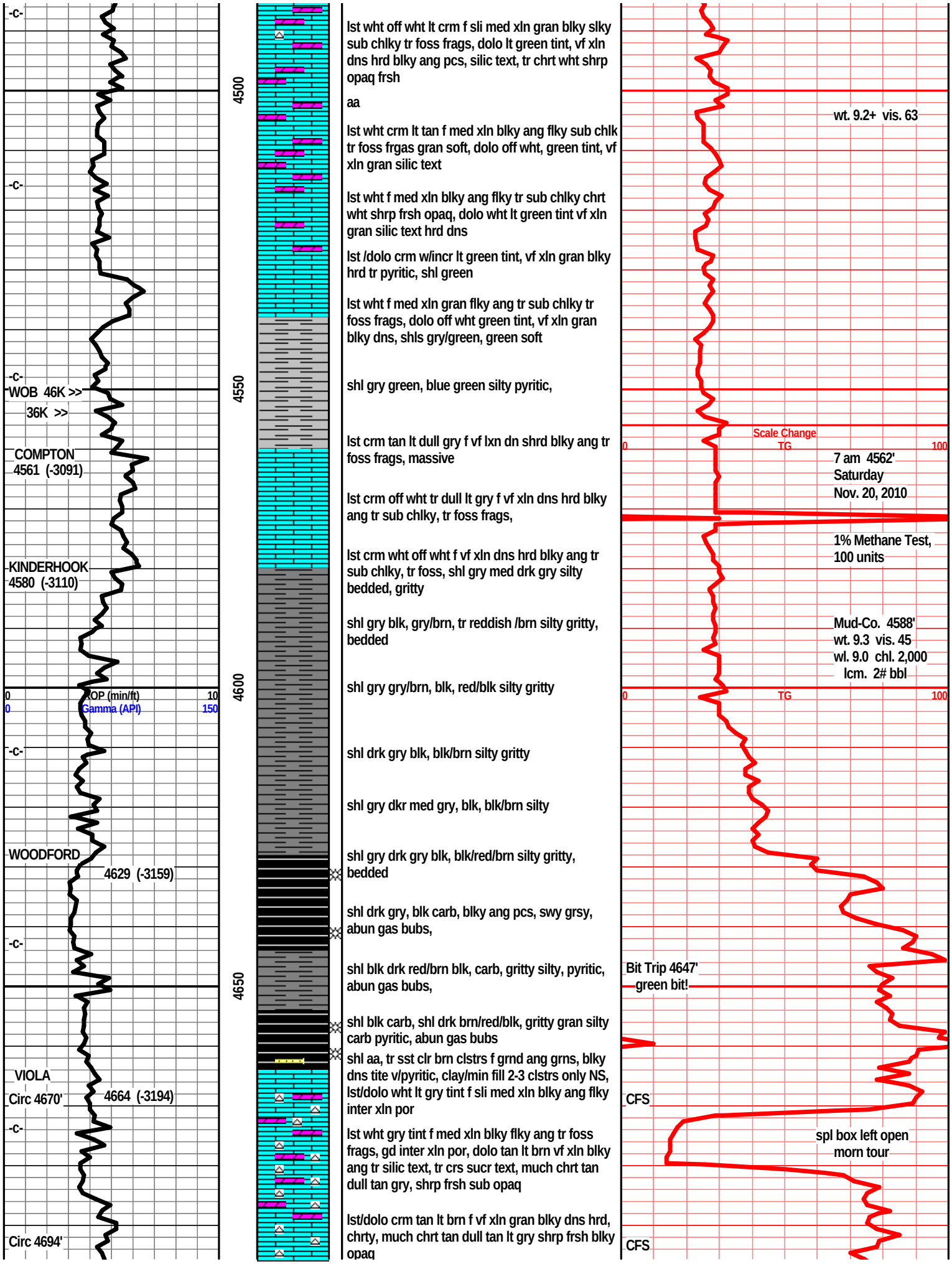

-C-
-C-
DOUGLAS SAND
3499 (-2029)
Circ 3510'
-C-
-C-
-C-
-C-
0
ROP (min/ft)
10
0
Gamma (API)
150
3450
3500
3550
3600
shl gry med gry/green silty gritty tr sndy mic, blk carb flks
shl gry med gry/green, silty, gritty, sm sndy, mic
sst wht tan clstrs f vf grnd sub ang grns prly srtd, v/w cem, tr sub fria, mstly tite blky ang dns clstrs, clay fill, calc cem/fill tr min fill tr mic
shl gry gry/green silty , sst aa
shl gry med gry/green silty soft gran silty mic
shl gry, gry/green silty soft
sst off wht lt tan clstrs, f grnd, sub ang grns, prly srted, w/cem, sub fria, gran, calc fill/cem, blky mstly tite, min fill, mic, clay fill, arg
sst tan off wht, tr lt gry clstrs, f grnd, sub ang grns, f/prly srtd, w/cem, sub fria, calc cem/fill, min fill, mic, pyritic, blky tite clstrs
sst off wht tan clstrs f grnd sub ang tr rded grns, fair/prly srtd, sub fria to tite, w/cem, calc fill/cem, min fill tr pyritic, pyrite inclu, mic fill, tr clay fill
sst off wht lt gry clstrs, f grnd, sub ang grns, fair to prly srtd, sub fria, w/cem, blky ang clstrs, calc fill, min fill, tr pyrtic, mic, clay fill
shl gry med drk gry, silty gritty mic
aa
shl gry med gry silty gritty sndy mic
shll gry med gry silty mic soft
shl gry med gry silty mic gritty soft spls wsh gry
shl gry lt med gry silty mic gritty gran soft
shl gry med gry silty mic soft gritty gran
CFS
Mud-Co. 3535'
wt. 9.2 vis. 60
wl. 8.0 chl. 4,000
7 am 3560'
Wednesday
Nov. 17, 2010
0
TG
100
wt. 9.1 vis. 58

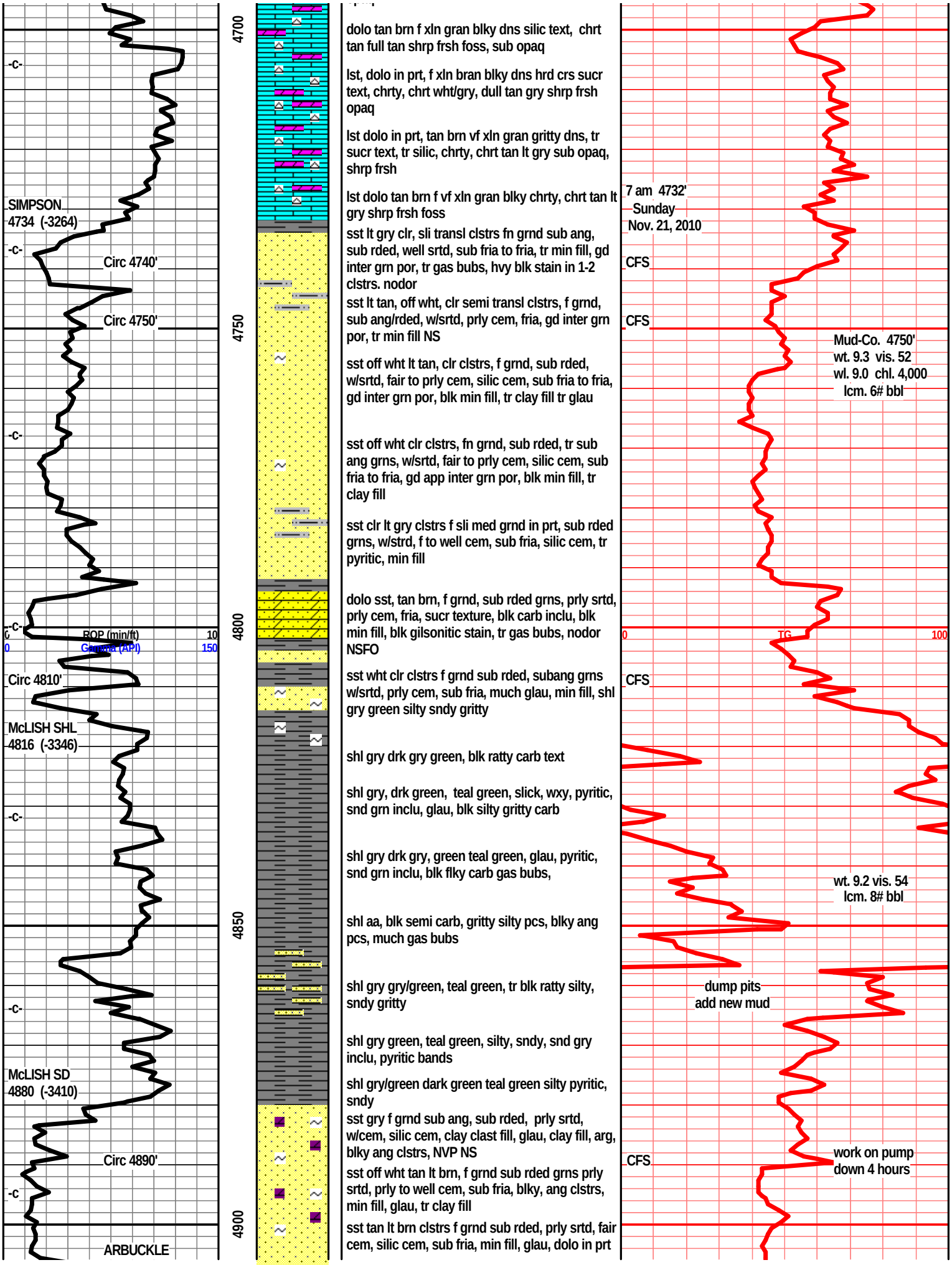

-C-
BROWN LIME
3656 (-2186)
STALNAKER
3674 (-2204)
-C-
Circ 3684'
-C-
3734 (-2264)
-C-
-C-
-C-
0
ROP (min/ft)
10
C
Gamma (API)
150
-C-
-C-
3650
3700
3750
3800
3850
shl gry drk med gry silty soft gritty mic muddy, spls wsh gry/muddy
lst tan brn f med xln sub chlky, flky, blky crsly foss in prt, foss frag, calc xln re-fill
shl gry med gry, blk, bedded, silty soft muddy
sst off wht lt gry clstrs, f grnd, sub rded, tr sub ang grns, w/srtd, prly cem, calc cem/fill, sub fria to fria, gran, min fill, mic, blk min fill, tr clay fill, blk carb fill, tr gas bubs/1-2 clstrs
sst off wht lt crm lt gry f grnd, sub ang grns, prly srtd, w/cem, calc fill/cem, sub fria, min fill, mic, tr glau, clay fill
sst off wht lt crm tr gry, f grnd, sub rded, f/w srtd, prly cem, sub fria, calc fill, clay min fill, mic, tr glau, shl gry med gry silty sndy gritty mic
lst drk tan brn/grn f vf xln dns hrd ang arg, tr sub chlky, foss frags, calc inclu,
lst tan brn, drk gry f vf xln dns hrd blky ang arg, sub chlky, pyritic fill, foss frags, calc inclu,
lst gry brn, tr tan/brn f vf xln dns hrd blky arg, calc fill, sub chlky mstly dns hrd arg chlky
lst tan brn f med xln gran flky sub chlky, crsly foss, foss frags, gd inter xln por, foss mold, tr oomold por, crs xln fill, gran soft
lst gry brn f vf xln dns hrd blky arg, tr foss frags, calc xln re-fill
lst tan gry vf xln dns hrd blky ang arg, tr foss frags, tr chlky, shl gry drk gry calc
lst gry tan vf xln dns hrd blky ang arg, tr sub chlky, tr foss frags, pyritic incr gry med gry blk shls??
lst tan gry vf xln dns hrd blky ang arg, tr chlky, foss frags, calc fill, shl gry blk
shl gry drk gry blk, silty mcuh blk carb specs/inclu, foss mat
shl gry drk gry blk, silty, blk carb inclu
shl gry drk, gry/blk blky ang pcs
shl gry gry blk, blk carb wxy grsy, gas bubs
shl gry drk gry blk, calc in prt,
wt. 9.1 vis. 56
CFS
>>>>>>
poly flow line pinched and leaking.
>>>>>>
4 pm 3740'
Wednesday
Nov. 17, 2010
hole deviation
3/4 deg at 3773'
wt. 9.2 vis. 48
0
TG
100
wt. 9.2 vis. 56

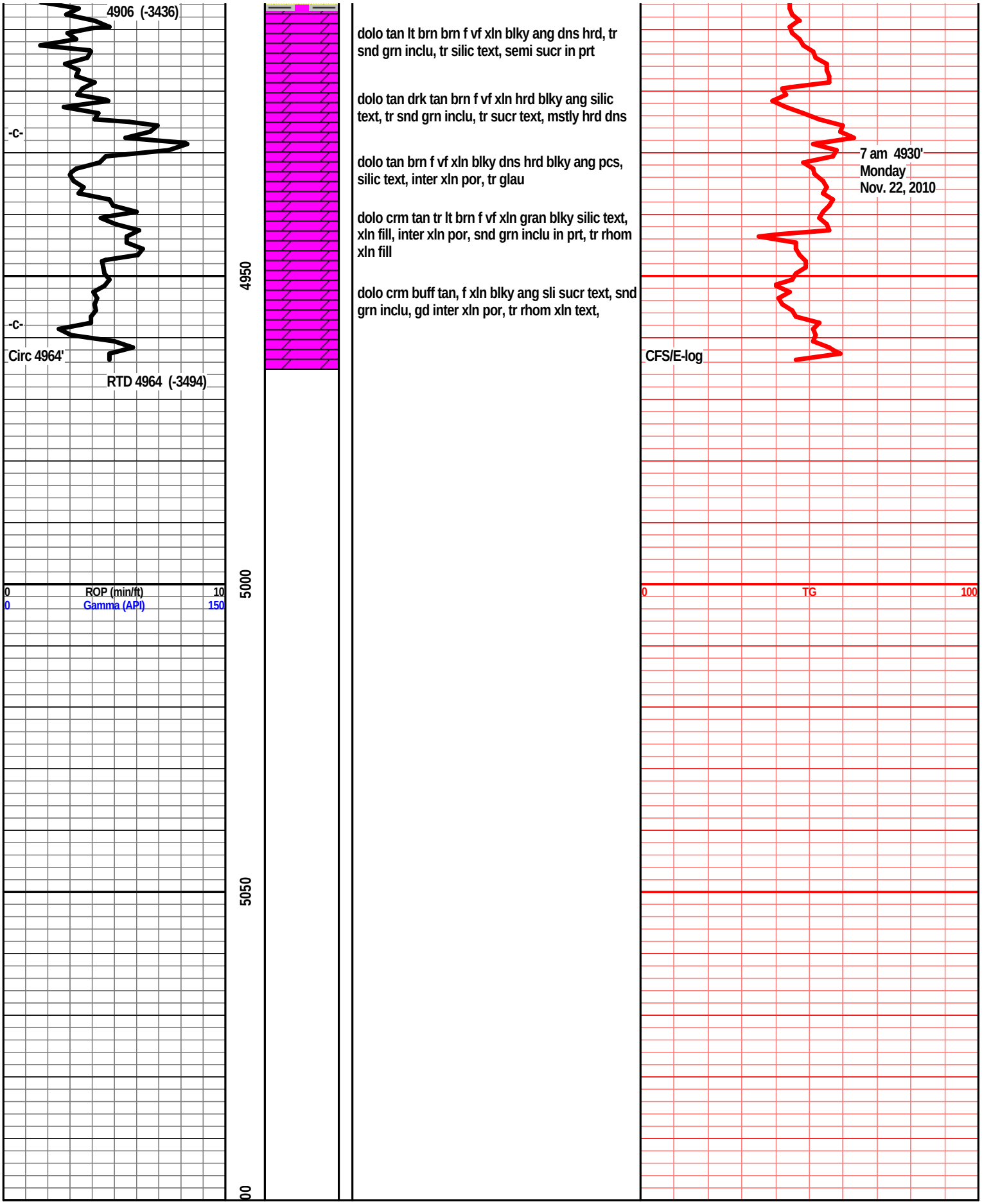

-c-
3893 (-2423)
-c-
-c-
IOLA
3932 (-2462)
-c-
-c-
0
ROP (min/ft)
10
0
Gamma (API)
150
-c-
STARK
4050 (-2580)
-c-
Swope
4058 (-2588)
3900
3950
4000
4050
shl gry brn blk hrd blky pcs
shl drk gry blky, tr calc inclu, tr foss frags
shl dry drk gry blk, tr silty blky hrd pcs
shl gry gry/blk, blky ang hrd pcs, tr calc in prt, calc inclu, foss frags
lst tan gry f vf xln blky dns hrd sub chlky tr foss frags,
lst crm tan f xln blky ang tr sub chlky, foss frags, foss ool, calc xln fill, inter xln por, foss mold por
lst crm tan f xln blky ang sub chlky calc xln fill, foss frags, foss ool, inter xln, foss mold por
shl gry med gry blky, lst dull gry vf xln ang, arg dns hrd tr foss
shl tan gry calc, lst tan dull gry f xln blky dns, arg, tr foss frags
lst crm wht tan f xln blky ang sub chlky to chlky foss frags, foss ool, inter xln por, foss mold por, calc xln fill, chrt tan gry shrp frsh opaq
lst crm wht tan f xln blky bec dns, sub chlky, foss frags, foss ool, calc fill, chrty in prt, chrt tan gry shrp frsh opaq
lst crm wht tan f xlnblky ang tr flky sub chlky/chlky foss frags, foss ool, calc fill, moldic por, chrt lt gry shrp frsh opaq
lst wht crm tan f xln blky ang dns sub chlky tr foss, mstly chlky dns hrd
lsttan crm wht f xln ang blky pcs, sub chlky foss frags, calc xln fill, tr foss mold por tr foss ool
lst crm gry tan f xln blky ang hrd tr chlky tr foss chrt lt gry shrp opaq frsh
lst crm tan lt gry f xln blky ang sub chlky foss frags, calc xln re-fill, chrt lt gry/tan shrp frsh opaq
lst crm tan, f xln ang flky sub chlky foss frags, foss ool, calc xln fill, soft, tr moldic por, chrt aa
lst crm tan lt gry f xln sub chky gran ang, foss frags, tr moldic por, chrt tan gry shrp frsh
lst tan crm f xln blky chlky calc fill, foss frags, dns, hrd, chrt tan brn shrp frsh
shl blk carb in spl, lst tan crm lt gry, f sli med xln, blky ang, chlky, sub chlky foss frags, foss ool, foss mold por, drk stain, VSSFO, vsli odor w/brkn
Scale Change
0
TG
200
wt. 9.2 vis. 58
wt. 9.2 vis. 56
0
TG
200
7 am 4024'
Thursday
Nov. 16, 2010


HUSHPUCKNEY
4078 (-2608)
HERTHA
4087 (-2617)
B/KANSAS CITY
4114 (-2644)
PAWNEE
4239 (-2769)
Circ 4260'
-c-
0
ROP (min/ft)
10
0
Gamma (API)
150
4100
4150
4200
4250
lst tan crm, tr lt gry, f vf xln dns, sub chlky to soft, gran, foss frags, chrt lt gry shrp frsh opaq
shl gry blk carb, lst tan crm f xln blky ang sub chlky tr v/chlky soft, tr calc fill, foss frags, tr ool,
lst crm gry tan f vf xln blky ang, inter xln por, sub chlky foss frags, calc fill, chrty in prt, odor, SSFO, gas bubs, lt stain
lst drk tan gry, f mic xln dns hrd blky, arg, tr foss frags, mslty hrd arg dns massive, tr calc xln fill
shl gry blk, blk carb in prt, shl gry blk brn, crs brkn foss frags, sndy, gritty
shl gry drk gry blk, lst drk gry brn f mic xln dns hrd blky arg silty, gritty,
shl drk gry, silty gritty, blk carb tr gas bubs, gran , tr calc tr foss content
shl gry drk gry blk, tr carb, crs foss frags, lst drk gry brn f mic xln blky dns hrd ang arg silty
shl gry dkr gry blk, lst tan crm buff f xln blky ang tr chlky tr foss frags, calc xln fill
lst crm buff drk tan f vfr xln dns hrd blky tr calc xln fill, tr micro foss frags, shls, gry blk brn silty, calc
shl gry blue, green, silty, gritty, lst tan buff f vf xln blky ang dns hrd sub chlky micro foss, tr chrty chrt tan shrp opaq
shl gry brn, tr gry green silty calc, lst tan crm vf xln dn shrd blky ang micro foss chrty chrt tan shrp frsh opaq
lst crm buff tan f vf xln dns sub chlky, micro foss, foss ool, calc xln fill, mstly dns
lst crm buff lt tan f vf xln blky dns hrd ang micro foss, tr calc xln re-fill, tr chlky
lst crm buff tan f vf xln dns hrd blky ang tr sub chlky, micro foss, foss ool, tr calc xln re-fill, mstly dns massive NVP
shl gry blk carb, wxy grsy tr gas bubs, lst crm gry f vf xln dns hrd blky arg/prt tr chlky micro foss,
lst crm buff tan f vf xln dns hrd blky pcs, sub chlky, tr micro foss frags, calc xln fill, tr gas bubs on break, fair UV, tr filmy cond on brk, nodor, NSFO, NVP
lst crm buff tan f vf xln blky ang pcs. tr chlky, micro foss frags, calc xln fill
shl gry blk carb, wxy grsy, tr gas bub, lst tan lt gry f vf xln dns hrd, blky, tr foss frags, tr chrt gry shrp
Mud-Co. 4090'
wt. 9.2 vis. 46
wl. 8.0 chl. 4,000
wt. 9.2 vis. 45
6 pm 4185'
Thursday
Nov. 18, 2010
0
TG
200
wt. 9.2+ vis. 56
CFS
Short trip
yank 16 stands


CKE GRP
4288 (-2818)
-c-
Circ 4360'
-c-
MISS
4381 (-3911)
Circ 4388'
-c-
0
ROP (min/ft)
10
0
Gam
150
Circ 4404'
Circ 4424'
-c-
4300
4350
4400
4450
lst tan crm dull gry, f vf xln bky ang hrd tr sub clky, micro foss, ool, tr chrt tan shrp
shl gry blk carb, lst tan lt gry f vf xln dns hrs blky tr arg, tr micro foss, abun gry green shls
lst crm tan gry f vf xln dns hrd blky tr sub chlky micro foss frags, calc xln fill, mstly dns
lst tan lt gry tr lt brn f vf xln dns hrd arg, sub chlky, micro foss, mstly hrd dns tite, shls gry blk green silty gritty
shl gry drk gry blk, silty gritty, lst tan brn vf xln blky ang hrd arg foss frags
shl gry, dkr gry blk, blu/green silty ratty gritty silty
shl gry drk gry blk ratty silty, vari color shls, yllw maroon, blue, blue/green, silty soft ratty, tr brn frsh opaq chrt
shl cari color, yllw, maroon, blue/green, silty ratty, lst brn f mic xln dns arg hrd
shls vari color, maroon, yllw, blu/green, tan, brn, blk, silty ratty gritty, sndy/prt
shl gry brn red, vari-color, yllw, maroon, blk, blue/green, silty ratty, tr chrt tan brn shrp, frsh, foss
shl brn, red, maroon, yllw, blue/green, blk, vari-color, ratty, silty, tr chrt tan/orange shrp, chrt wht gran, weath/frsh shrp, spls wsh red/brn
chrt wht weath, gran, spongy, pp/moldic por, blk flky stain, NSFO/Gas/odor, chrt wht shrp frsh blky semi-opaq, chrt wht/yllw tint shrp frsh semi weath, pp por, chrty lst wht f xln foss gran, soft
chrt wht off wht shrp frsh opaq, frac, blky ang pcs, tr grsy stain, gas, chrty lst wht/gry lt blue tint, f sli med xln flky gran w/wht shrp frsh opaq chrt, blk grsy stain, nodor, NSFO
chrt wht off wht, shrp frsh, blky sub opaq frac, lst wht tan f xln flky, chlky, foss frags, lst/dolo wht off wht, f mic xln blky dns hrd, chrty, wht lt tan shrp frsh, tr blk hvy stain tr gas bub? NSFO, nodor
lst tr dolo, wht off wht lt crm vf xln bky ang hrd dns, tr foss, chrty, chrt wht off wht shrp frsh sub opaq blky
lst/dolo crm wht off wht/lt green tint, f med xln blky ang flky foss frags, chrt wht shrp sub opaq shrp frsh
lst /dolo wht lt crm f med xln blky vlky sub chlky tr foss frags, dolo crm vf xln dns hrd blky ang, chrty, chrt wht off wht sub opaq shrp frsh, tr flsh color, shrp frsh opaq
lst tr dolo, crm off wht/lt grn tint, f sli med xln blky flky, chrty, sub chlky foss frags, chrt lt tan off wht shrp frsh opaq
lst tr dolo, wht lt crm f sli med xln, blky flky and sub chlky tr foss frags, tr lt green tint, chrt wht shrp frsh opaq
lst wht lt crm f sli med xln blky flky tr sub chlky tr foss frags, chrt wht shrp frsh opaq
wt. 9.2+ vis. 55
7 am 4303'
Friday
Nov. 19, 2010
CFS
Mud-Co. 4361'
wt. 9.3 vis.55
wl. 9.2 chl. 4,000
lcm. 3# bbl
CFS
0
TG
200
CFS
6 pm 4413'
Friday
Nov. 19, 2010
CFS
wt. 9.2+ vis. 63


-c-
WOB 46K >>
36K >>
COMPTON
4561 (-3091)
KINDERHOOK
4580 (-3110)
0
ROP (min/ft)
10
0
Gamma (API)
150
WOODFORD
4629 (-3159)
VIOLA
Circ 4670'
4664 (-3194)
Circ 4694'
4500
4550
4600
4650
lst wht off wht lt crm f sli med xln gran blky slky sub chlky tr foss frags, dolo lt green tint, vf xln dns hrd blky ang pcs, silic text, tr chrt wht shrp opaq frsh
aa
lst wht crm lt tan f med xln blky ang flky sub chlk tr foss frgas gran soft, dolo off wht, green tint, vf xln gran silic text
lst wht f med xln blky ang flky tr sub chlky chrt wht shrp frsh opaq, dolo wht lt green tint vf xln gran silic text hrd dns
lst /dolo crm w/incr lt green tint, vf xln gran blky hrd tr pyritic, shl green
lst wht f med xln gran flky ang tr sub chlky tr foss frags, dolo off wht green tint, vf xln gran blky dns, shls gry/green, green soft
shl gry green, blue green silty pyritic,
lst crm tan lt dull gry f vf lxn dn shrd blky ang tr foss frags, massive
lst crm off wht tr dull lt gry f vf xln dns hrd blky ang tr sub chlky, tr foss frags,
lst crm wht off wht f vf xln dns hrd blky ang tr sub chlky, tr foss, shl gry med drk gry silty bedded, gritty
shl gry blk, gry/brn, tr reddish /brn silty gritty, bedded
shl gry gry/brn, blk, red/blk silty gritty
shl drk gry blk, blk/brn silty gritty
shl gry dkr med gry, blk, blk/brn silty
shl gry drk gry blk, blk/red/brn silty gritty, bedded
shl drk gry, blk carb, blky ang pcs, swy grsy, abun gas bubs,
shl blk drk red/brn blk, carb, gritty silty, pyritic, abun gas bubs,
shl blk carb, shl drk brn/red/blk, gritty gran silty carb pyritic, abun gas bubs
shl aa, tr sst clr brn clstrs f grnd ang grns, blky dns tite v/pyritic, clay/min fill 2-3 clstrs only NS, lst/dolo wht lt gry tint f sli med xln blky ang flky inter xln por
lst wht gry tint f med xln blky flky ang tr foss frags, gd inter xln por, dolo tan lt brn vf xln blky ang tr silic text, tr crs sucr text, much chrt tan dull tan gry, shrp frsh sub opaq
lst/dolo crm tan lt brn f vf xln gran blky dns hrd, chrty, much chrt tan dull tan lt gry shrp frsh blky opaq
wt. 9.2+ vis. 63
Scale Change
0
TG
100
7 am 4562'
Saturday
Nov. 20, 2010
1% Methane Test,
100 units
Mud-Co. 4588'
wt. 9.3 vis. 45
wl. 9.0 chl. 2,000
lcm. 2# bbl
0
TG
100
Bit Trip 4647'
green bit!
CFS
spl box left open
morn tour
CFS


SIMPSON
4734 (-3264)
Circ 4740'
Circ 4750'
ROP (min/ft)
0
10
Gamma (API)
0
150
Circ 4810'
McLISH SHL
4816 (-3346)
McLISH SD
4880 (-3410)
Circ 4890'
ARBUCKLE
4700
4750
4800
4850
4900
dolo tan brn f xln gran blky dns silic text, chrt tan full tan shrp frsh foss, sub opaq
lst, dolo in prt, f xln bran blky dns hrd crs sucr text, chrty, chrt wht/gry, dull tan gry shrp frsh opaq
lst dolo in prt, tan brn vf xln gran gritty dns, tr sucr text, tr silic, chrty, chrt tan lt gry sub opaq, shrp frsh
lst dolo tan brn f vf xln gran blky chrty, chrt tan lt gry shrp frsh foss
sst lt gry clr, sli transl clstrs fn grnd sub ang, sub rded, well srtd, sub fria to fria, tr min fill, gd inter grn por, tr gas bubs, hvy blk stain in 1-2 clstrs. nodor
sst lt tan, off wht, clr semi transl clstrs, f grnd, sub ang/rded, w/srtd, prly cem, fria, gd inter grn por, tr min fill NS
sst off wht lt tan, clr clstrs, f grnd, sub rded, w/srtd, fair to prly cem, silic cem, sub fria to fria, gd inter grn por, blk min fill, tr clay fill tr glau
sst off wht clr clstrs, fn grnd, sub rded, tr sub ang grns, w/srtd, fair to prly cem, silic cem, sub fria to fria, gd app inter grn por, blk min fill, tr clay fill
sst clr lt gry clstrs f sli med grnd in prt, sub rded grns, w/strd, f to well cem, sub fria, silic cem, tr pyritic, min fill
dolo sst, tan brn, f grnd, sub rded grns, prly srtd, prly cem, fria, sucr texture, blk carb inclu, blk min fill, blk gilsonitic stain, tr gas bubs, nodor NSFO
sst wht clr clstrs f grnd sub rded, subang grns w/srtd, prly cem, sub fria, much glau, min fill, shl gry green silty sndy gritty
shl gry drk gry green, blk ratty carb text
shl gry, drk green, teal green, slick, wxy, pyritic, snd grn inclu, glau, blk silty gritty carb
shl gry drk gry, green teal green, glau, pyritic, snd grn inclu, blk flky carb gas bubs,
shl aa, blk semi carb, gritty silty pcs, blky ang pcs, much gas bubs
shl gry gry/green, teal green, tr blk ratty silty, sndy gritty
shl gry green, teal green, silty, sndy, snd gry inclu, pyritic bands
shl gry/green dark green teal green silty pyritic, sndy
sst gry f grnd sub ang, sub rded, prly srtd, w/cem, silic cem, clay clast fill, glau, clay fill, arg, blky ang clstrs, NVP NS
sst off wht tan lt brn, f grnd sub rded grns prly srtd, prly to well cem, sub fria, blky, ang clstrs, min fill, glau, tr clay fill
sst tan lt brn clstrs f grnd sub rded, prly srtd, fair cem, silic cem, sub fria, min fill, glau, dolo in prt
7 am 4732'
Sunday
Nov. 21, 2010
CFS
CFS
Mud-Co. 4750'
wt. 9.3 vis. 52
wl. 9.0 chl. 4,000
lcm. 6# bbl
0
TG
100
CFS
wt. 9.2 vis. 54
lcm. 8# bbl
dump pits
add new mud
CFS
work on pump
down 4 hours


4906 (-3436)
-c-
-c-
Circ 4964'
RTD 4964 (-3494)
0
ROP (min/ft)
10
0
Gamma (API)
150
4950
5000
5050
00
dolo tan lt brn brn f vf xln blky ang dns hrd, tr snd grn inclu, tr silic text, semi sucr in prt
dolo tan drk tan brn f vf xln hrd blky ang silic text, tr snd grn inclu, tr sucr text, mstly hrd dns
dolo tan brn f vf xln blky dns hrd blky ang pcs, silic text, inter xln por, tr glau
dolo crm tan tr lt brn f vf xln gran blky silic text, xln fill, inter xln por, snd grn inclu in prt, tr rhom xln fill
dolo crm buff tan, f xln blky ang sli sucr text, snd grn inclu, gd inter xln por, tr rhom xln text,
7 am 4930'
Monday
Nov. 22, 2010
CFS/E-log
0
TG
100