

Morning Report Depth/Activity

10/17/2014, Spud.
 10/18, drill @ 530'.
 10/19, drill @ 2345'.
 10/20, drill @ 3290'.
 10/21, drill @ 3774'.
 10/22, DST #1 @ 4060'.
 10/23, drill @ 4153'.
 10/24, DST #3 Straddle Test 4292'-4322'; BOH @ 4339'.
 10/25, drill @ 4444'.
 10/26, drill @ 4498'.
 10/27, DST #7 @ 4590'.
 10/28, DST #8 @ 4710'.
 10/29, drill @ 4888'.

Mudco Check #1 @ 0'
 10/17/14, predrilling
instructions.

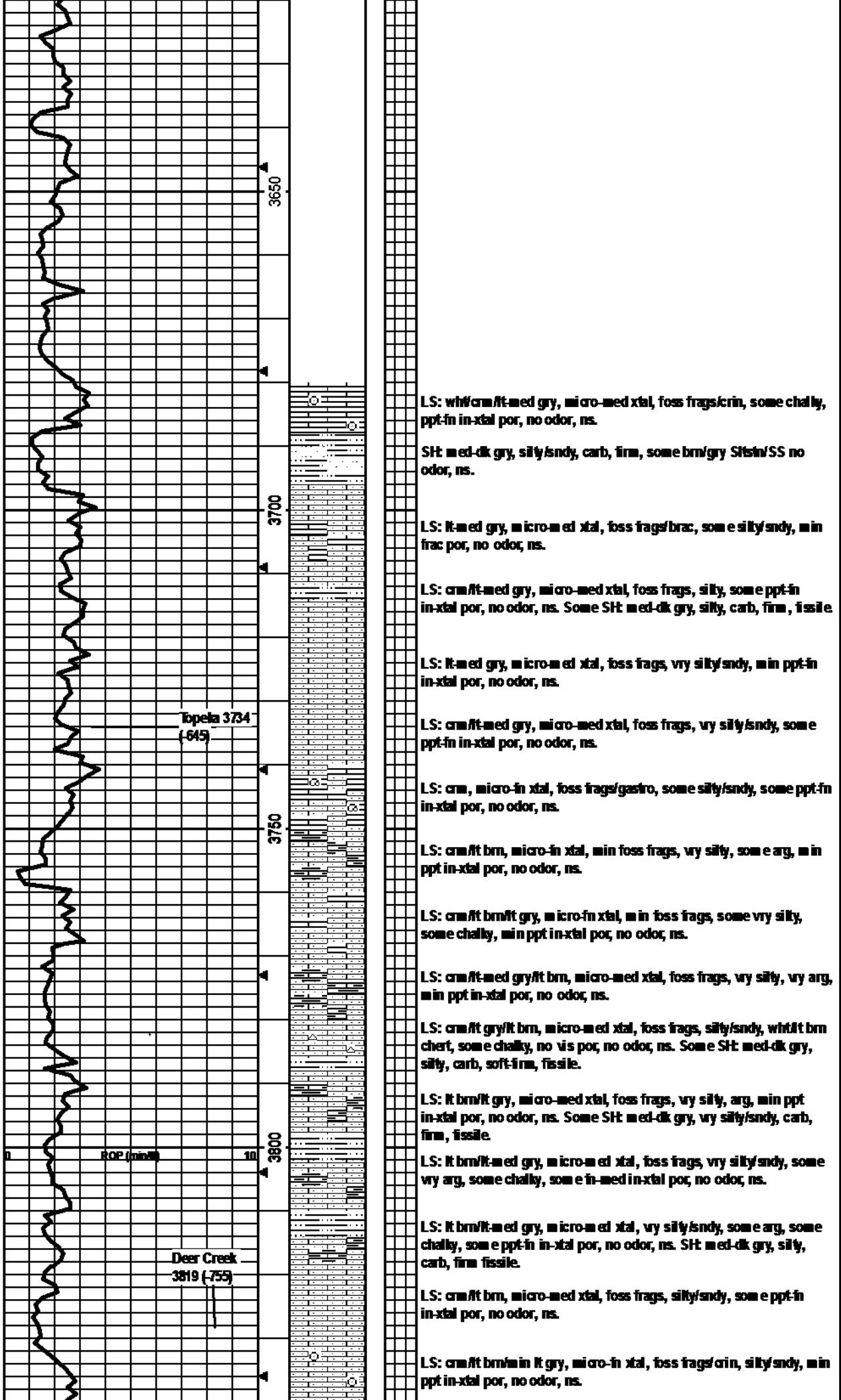
Mudco Check #2 @ 2234'
 10/19/14 06:45am
 wt vis pH chl
 9.7 31 7.0 72000
 Filt LCM
 n/c 1

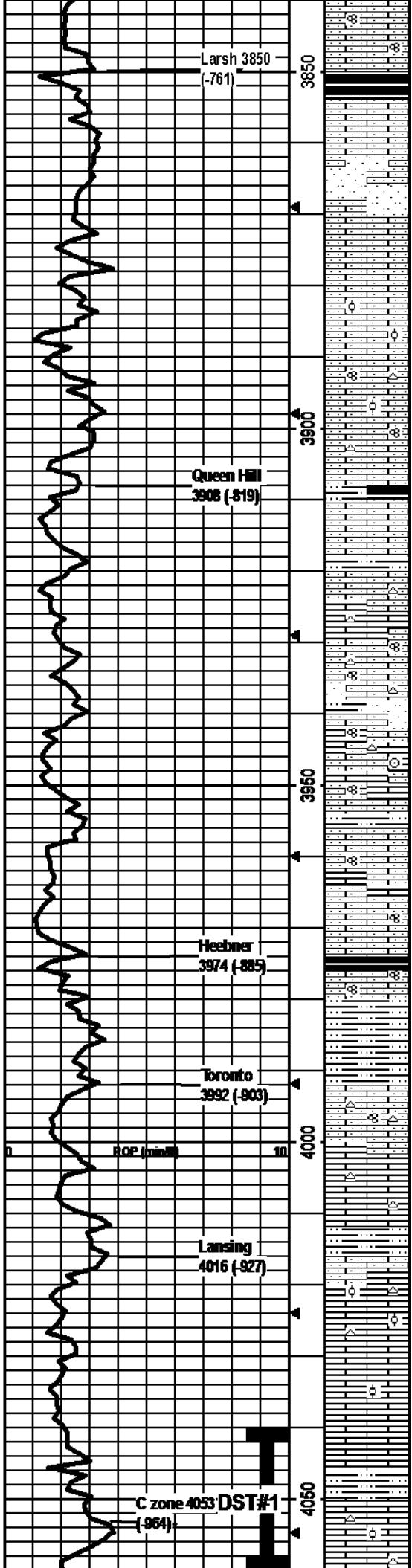
Mudco Check #3 @ 3157'
 10/20/14 06:45am
 wt vis pH chl
 9.8 30 7.0 36000
 Filt LCM
 n/c tr

Anhydrite: Top @ 2410', Base @ 2429' (based on drill time).

Drill cutting samples at 10' intervals start at 3500'.

ROP Data begins @ 3500' on 10/20/2014





LS: It brn/lt gry, micro-med xtal, foss frags/fusin, silty/sndy, some ppt-fn in-xtal por, no odor, ns.

SH: dk gry/blk, silt carb, firm, fissile, no odor, ns.

LS: It-med brn/lt gry, micro-med xtal, foss frags, silty/sndy, some chalky, some ppt in-xtal por, no odor, ns.

LS as above w/Sltstn/S S: It gry, pred qtz, some glac, carb, hard, friable, no odor, ns.

LS: It-med brn/gry, micro-fn xtal, some foss frags, silty/sndy, some ppt in-xtal por, no odor, ns.

LS: crm/lt brn, micro-med xtal, foss frags/ool, silty/sndy, some chalky, some ppt-fn in-xtal por, no odor, ns.

LS: crm/lt gry-brn, micro-in xtal, foss frags/fusin/min col, silty/sndy, some whit/brown chert, some ppt-in in-xtal por, no odor, ns.

SH: med-dk gry, carb, silty, soft-firm, fissile, no odor, ns.

LS: crm/lt brn, micro-in xtal, some foss frags, very silty/sndy, some ppt in-xtal por, no odor, ns.

SH: med-dk gry, carb, silty, firm, fissile, no odor, ns.

LS: crm/lt brn, micro-in xtal, foss frags, some silty/sndy, some whit/brown chert, some ppt-in in-xtal por, no odor, ns.

LS: crm/lt brn, micro-in xtal, foss frags/fusin, silty/sndy, whit/lt gry chert, min ppt in-xtal/frac por, no odor, ns.

SH: lt-dk gry, very silty/sndy/some lt gry Stn/S, firm, fissile, no odor, ns.

LS: crm/lt gry-brn w/some gry inclusions, in-med xtal, foss frags/fusin/crin, some silty/sndy, some chalky, lt gry chert, ppt in-xtal por, 1 pce w/sfo, yel flor, no odor, ssfo.

LS: crm/lt gry, micro-med xtal, foss frags/fusin, some silty/sndy, some arg, some chalky, 8 pces w/ppt-fn in-xtal por w/sfo, yel flor, no odor, ssfo. Some med-dk gry silty SH.

LS: lt-med brn w/some gry incls, micro-med xtal, foss frags/fusin, some silty/sndy, some chalky, ppt-fn in-xtal por; 1 pce w/sfo, yel flor, no odor, ssfo.

SH: dk gry/blk, silt carb, silty, firm, fissile, no odor, ns.

LS: lt-med brn/lt gry, micro-med xtal, foss frags/fusin, silty/sndy, some in-med in-xtal por, no odor, ns.

SH: med-dk gry/blk/dk brn, carb, very silty/sndy, soft-firm, fissile, no odor, ns.

LS: crm/lt-med brn/gry, micro-med xtal, foss frags/fusin, very silty/sndy, whit/brown chert, some chalky, some ppt-fn in-xtal/frac por, no odor, ns.

LS: crm, micro-in xtal, foss frags, min chalky, whit/crm chert; some frac por, no odor, ns.

SH: lt-med gry, carb, very silty, firm-hard, fissile w/some friable, no odor, ns.

LS: crm/lt gry, micro-med xtal, foss frags/ool, some silty/sndy, some chalky, some crm chert, some ppt-fn in-xtal por, no odor, ns.

LS: crm, micro-in xtal, foss frags/few col, some chalky, min ppt in-xtal/frac por, no odor, ns.

LS: crm, micro-in xtal, foss frags/min col, some chalky, min ppt in-xtal por, no odor, ns.

SH: med-dk gry, very silty/sndy, carb, some friable, firm, no odor, ns.

LS: crm/lt-med brn/gry, micro-med xtal, some foss frags w/few col pcs, some gray chert, min ppt-med in-xtal por, no odor, ns. 60 min simpl had 15 pces w/ppt-in-xtal por, w/sfo, cup odor, yel flor, gsf.

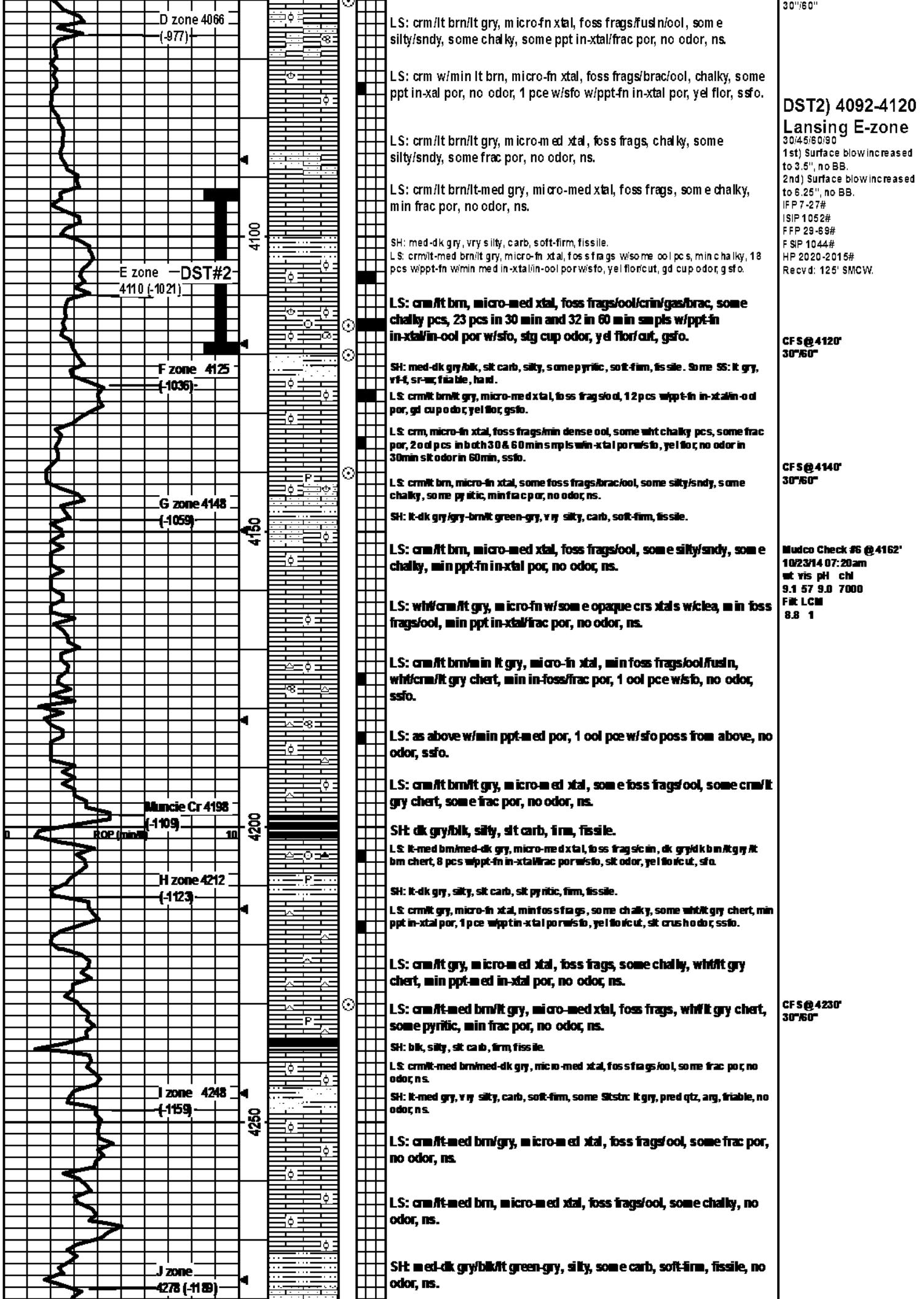
DST1) 4040-4060 Lansing C-zone

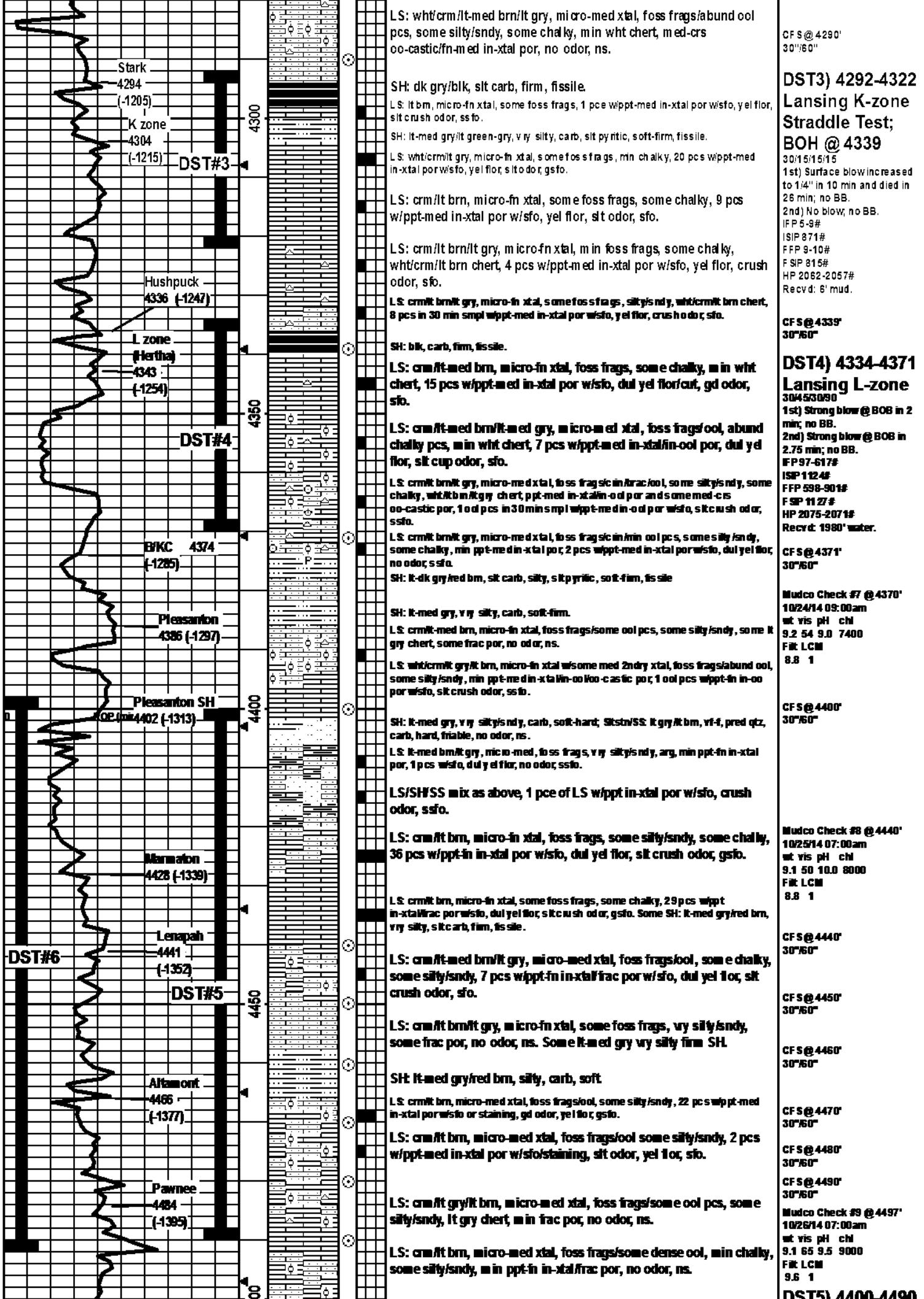
30303030
1st) Surface blow dead in 20 min, no BB.
2nd) No blow, no BB.
FP 4-8#
ISP 1063#
FFP 8-9#
FSP 1038#
HP 1917-1915#
Recvd: 5' oil spotted mud.

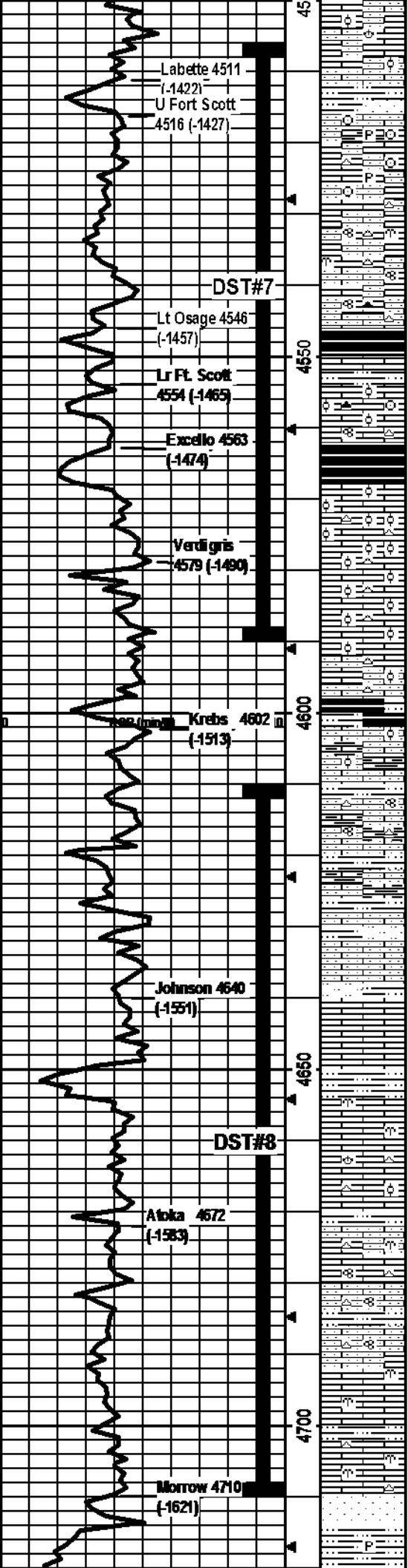
CFS @ 4060r
30°/60°

Mudco Check #5 @ 4060'
10/22/14 06:45am
wt vis pH chl
9.2 64 9.5 4500
Fit: LCM
8.0 2

CFS @ 4060r







DST5) 4400-4450 Pleasonton SH thru Pawnee
304560/90
1st) Blow @ BOB in 6 min; BB increased to 8".
2nd) Blow @ BOB in 7 min; BB @ BOB in 60 min.
IFP 23-165#
ISP 1044#
FFP 172-330#
FSP 823#
HP 2152-2145#
Recvd: 600' Oil, 250' GOMO (45% O, 40% M, 15% G), 500' GIP.

CFS @ 4540' 30"/60"

DST6) 4398-4492 Pleasonton SH thru Pawnee Straddle Test: BOH @ 4540
304560/90
1st) Blow @ BOB in 9.5 min; BB increased to 1".
2nd) Blow @ BOB in 11 min; BB @ increased to 8.5".
IFP 13-121#
ISP 764#
FFP 126-234#
FSP 620#
HP 2144-2126#
Recvd: 180' Oil, 400' GOMO (60% O, 25% M, 15% G), 190' GIP.

CFS @ 4590' 30"/60"

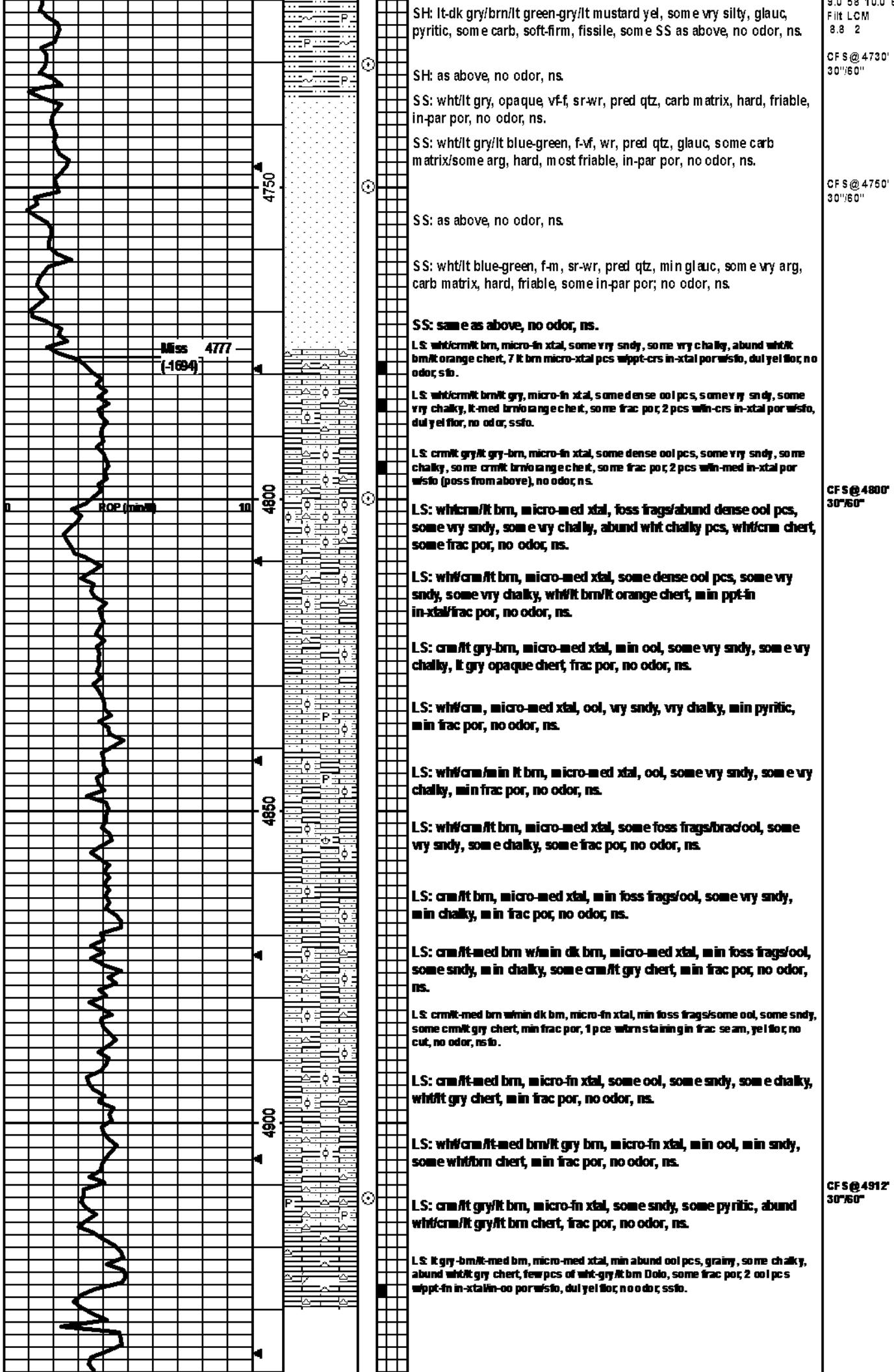
Mudco Check #10 @ 4590' 10/27/14 08:50am wt vis pH chl 9.0 63 10.0 6500 Fit LCM 8.8 1

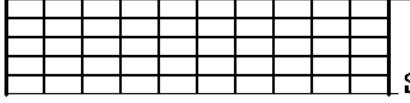
DST7) 4506-4590 Upper Ft Scott thru Verdigris
301515/15
1st) Surface blow increased to 1/2" in 10 min and died; no BB.
2nd) No blow; no BB.
FFP 7-8#
ISP 103#
FFP 8-9#
FSP 70#
HP 2136-2134#
Recvd: 5' OSL

DST8) 4610-4710 Krebs thru Atoka
304560/90
1st) Surface blow increased to 1.75"; no BB.
2nd) Surface blow increased to 1.75"; no BB.
FFP 8-12#
ISP 102#
FFP 11-14#
FSP 95#
HP 2208-2207#
Recvd: 20' SOC (5%), 95% M.

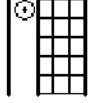
CFS @ 4710' 30"/60"

Mudco Check #11 @ 4710' 10/28/14 07:50am wt vis pH chl 9.0 59 10.0 6000





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CFS @ 4941'
30"/60"