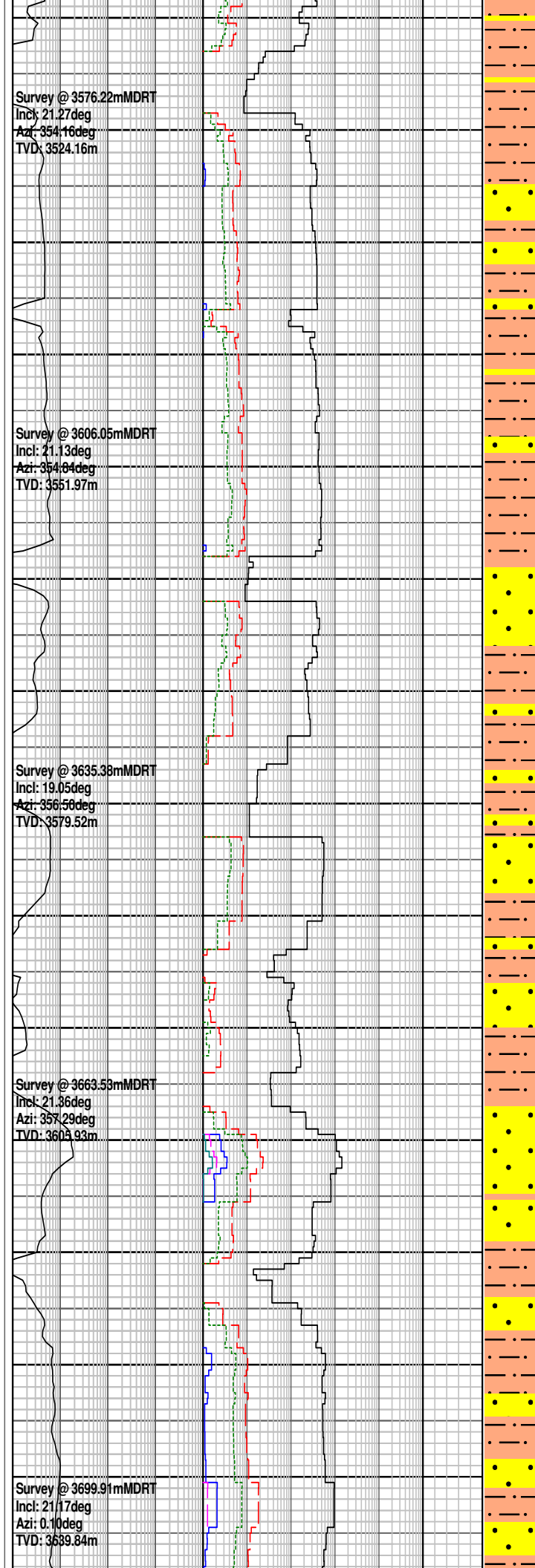
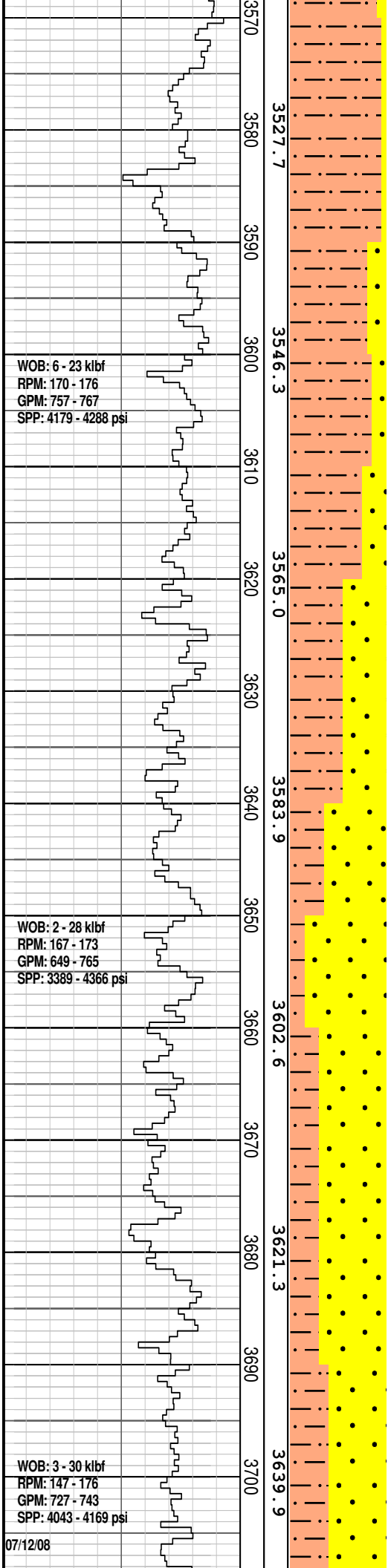


SANDSTONE: clr-trnsl, v f-crs, dom f, abdt v f, com med, r crs, wl srt, ang-rnd, dom sbrnd-rnd, abdt sbang, mn r ang, tr res pyr cmt, tr pyr nod, tr v f glauc, tr carb mat, tr mic flk, dissagg, fr inf por, n shw

SILTSTONE: olv blk, v aren, com arg mtx, sbblky, com carb lam & mat, tr v f glauc, com micmic, mn r nod & disse pyr, com f qtz, grd to SLTY SST i/p, com-abdt carb lam & spks, frm-mod hd, sbblky

SANDSTONE: clr-trnsl, v f-f, r med gr, wl srt, sbang-sbrnd, mn r wk calc cmt, com-abdt olv gry slty mtx & com grd to AREN SLTST, com carb lam & spks, gen disagg, mn r frm agg, p vis por, fr inf por, n shw

SILTSTONE: olv blk, v aren, com arg mtx, com carb lam & mat, tr v f glauc, com micmic, tr nod pyr, com grd to SLTY SST, com-abdt carb lam & spks, sft-mod hd, dom frm-brit, com sft, com mod hd, sbblky

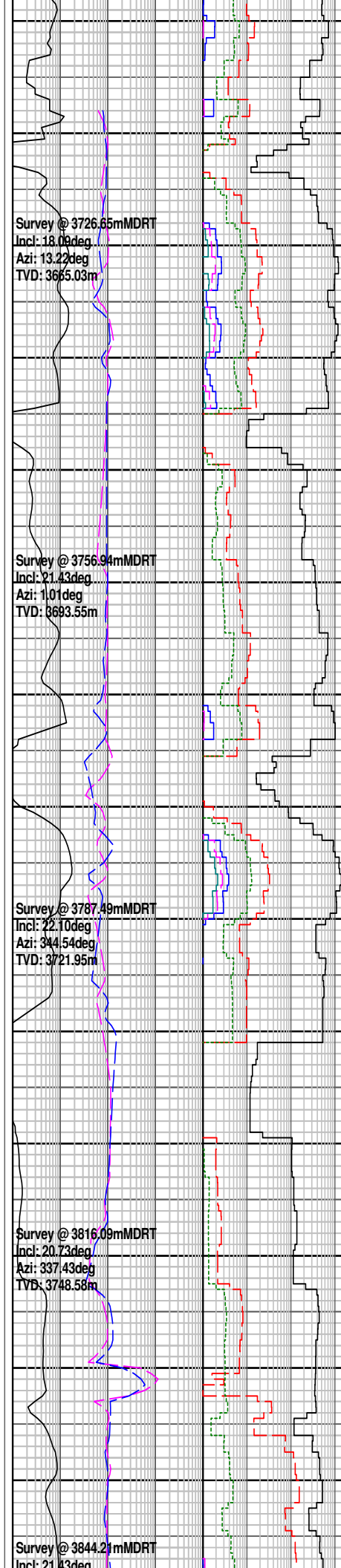
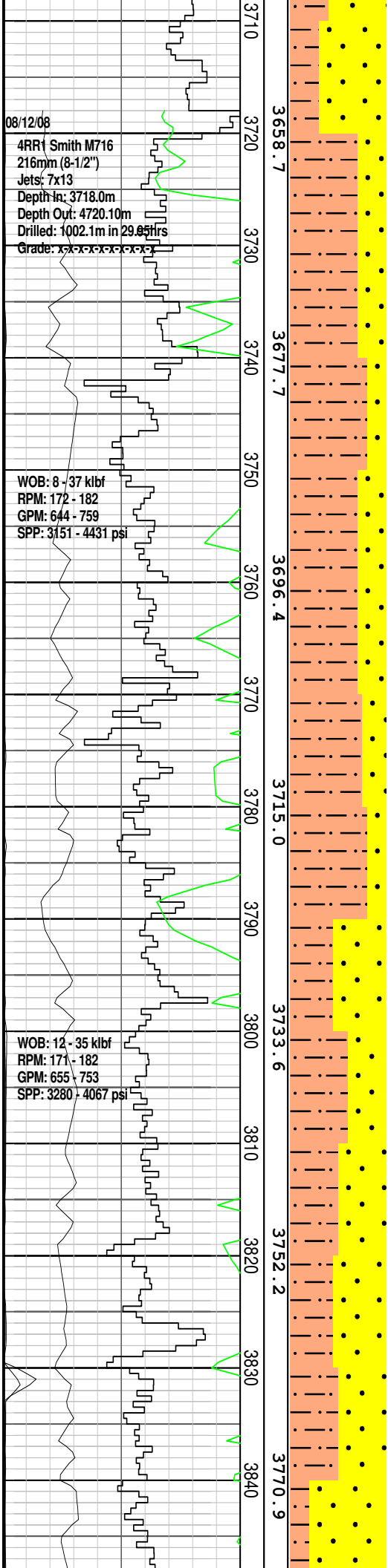


SANDSTONE: clr-trnsl, v f-f, r med gr, wl srt, sbang-sbrnd, tr wk calc cmt, com-abdt olv gry slty mtx & com grd to AREN SLTST, com lith, gen disagg, mnr frm agg, p vis por, fr inf por, n shw

SILTSTONE: olv gry, med brn gry, aren & com grd to SLTY SST, loc com arg mtx, com carb lam & spks, mnr calc mat, tr v f glauc, com micmic, tr nod pyr, frm-mod hd, sbblky

SANDSTONE: lt brn-olv gry, trnsl i/p, v f-med gr, occ crs fros ang gr, dom v f, gen wl srt, rnd-sbang, mnr wk calc cmt, com-abdt olv gry slty mtx & com grd to AREN SLTST, com carb lam & spks, com lith, mnr nod pyr & glauc mat, gen disagg, mod hd v f gr agg, p-fr inf por, n shw

SILTSTONE: olv gry, med brn gry, aren & com grd to SLTY SST, loc com arg mtx, com carb lam & spks, mnr calc mat, tr v f glauc, com micmic, tr nod pyr, frm-mod hd, sbblky



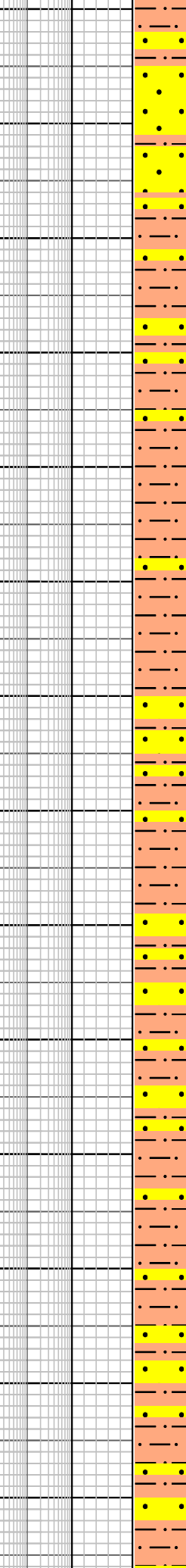
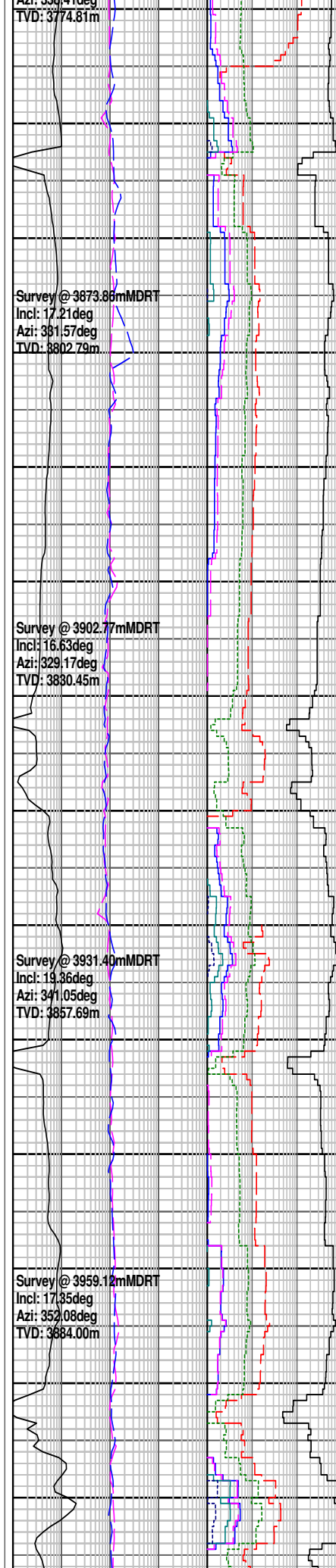
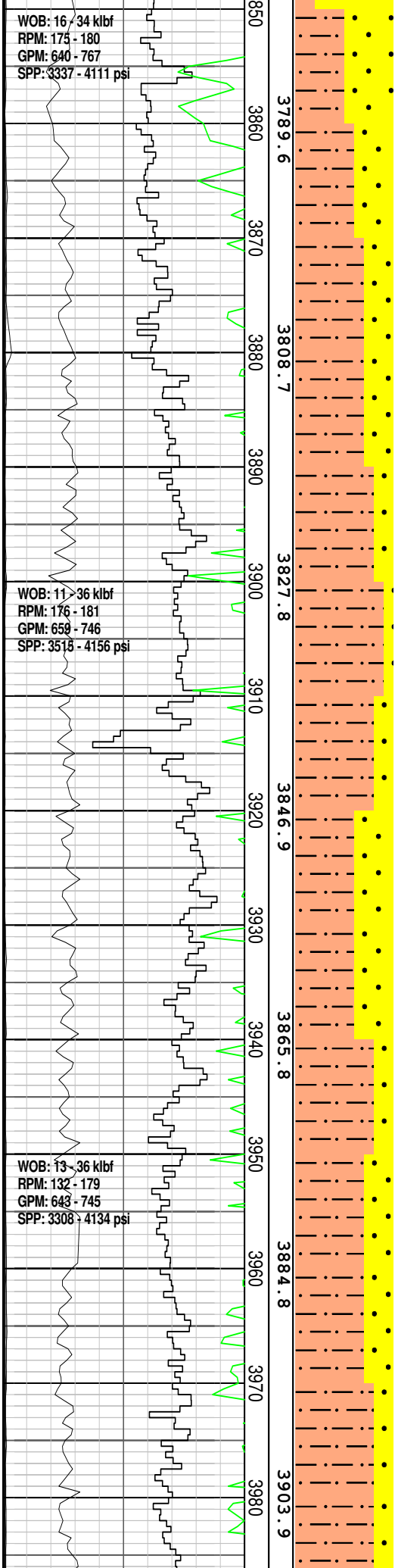
POOH due to MWD tool failure

SANDSTONE: It brn-olv gry, mnr off wh-trnsl, v f-med gr, occ crs fros ang gr, dom v f, gen wl srt, rnd-sbang, mnr wk calc cmt, incr com mod stg pyr cmt, com-abdt olv gry slty mtx & com grd to AREN
SLTST, com carb spks, com lith, mnr pyr, com glauc mat, gen disagg, occ rk flour, r mod hd agg, v p vis por, n shw

SILTSTONE: olv gry, med brn gry, v aren & com grd to SLTY SST, mnr arg, com carb lam & spks, mnr calc mat, tr v f glauc, com micmic, tr nod pyr, frm-mod hd, sbblky

SANDSTONE: It brn-olv gry, mnr off wh-trnsl, v f-med gr, occ crs fros ang gr, dom v f, gen wl srt, rnd-sbang, mnr wk calc cmt, incr com mod stg pyr cmt, com-abdt olv gry slty mtx & com grd to AREN
SLTST, com carb spks, com lith, mnr pyr, com glauc mat, gen disagg, occ rk flour, r mod hd agg, v p vis por, n shw

Dropped carbide @ 3824.0 m and hole is in gauge

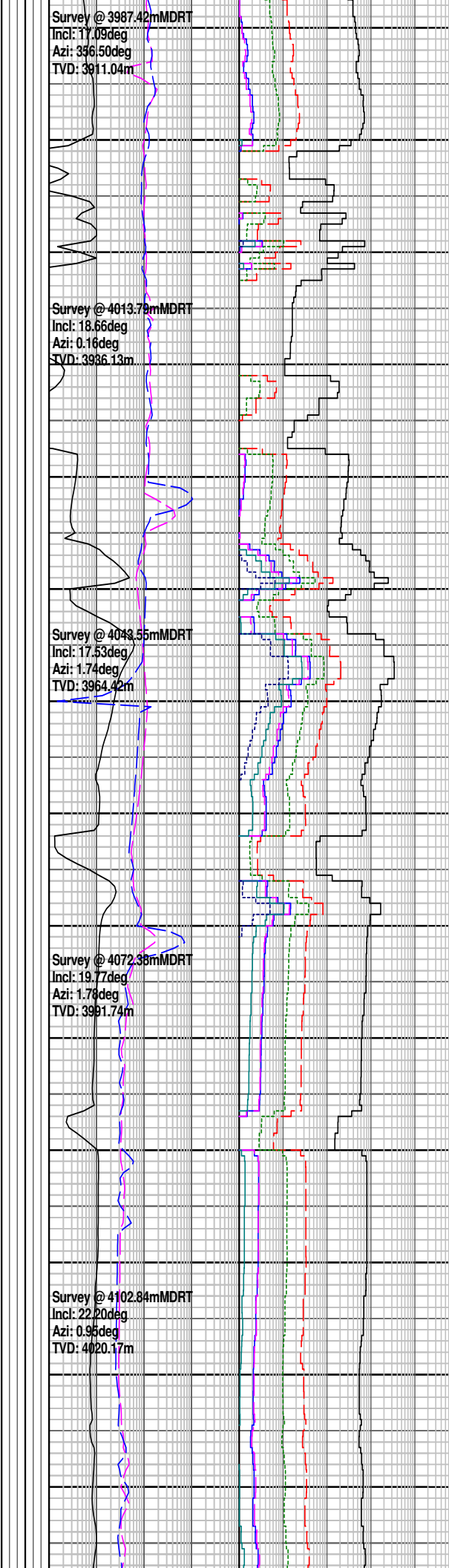
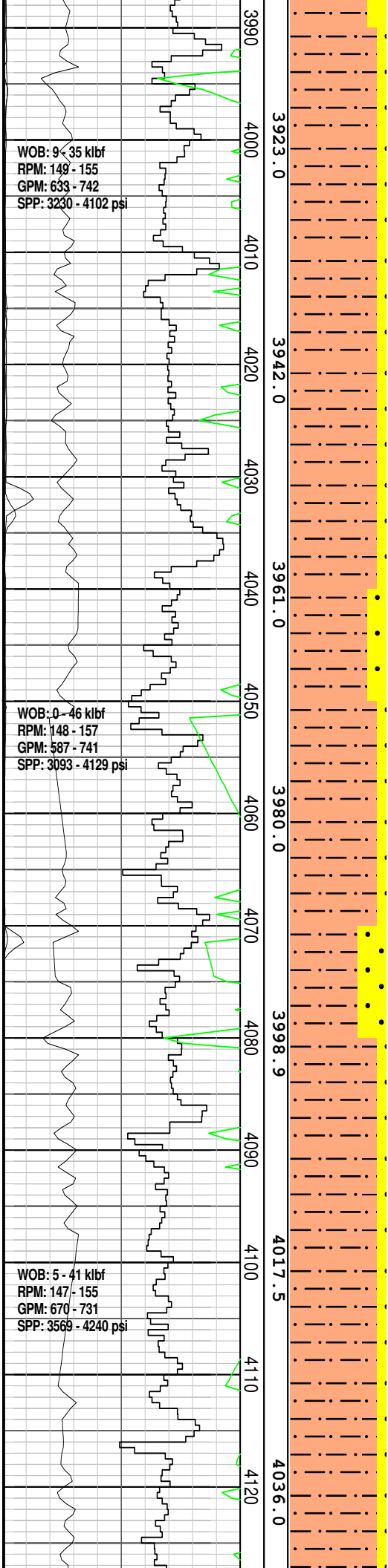


SILTSTONE: olv blk, com dk gry & grysh blk, dom aren, com arg, mnr carb lam & spks, tr micmic, tr mic flk, tr calc mat, tr lith, tr v f glauc, tr v f qtz, tr pyr, sft-mod hd, dom frm-brit, com sft, mnr mod hd, sbbiky

SILTSTONE: olv blk-grysh blk, mnr dk gry, aren, com arg, com carb lam & spks, tr micmic, mnr calc mat, mnr lith, tr v f glauc, tr v f qtz, tr pyr, sft-hd, dom brit-mod hd, mnr sft-frm, com brit & hd, sbbiky-sbfiss

SANDSTONE: med gry-med dk gry agg, clr-trnsl, v f-crs, dom v f-f, com med, tr crs, wl srt, rnd-ang, dom sbang-sbrnd, com rnd, mnr ang, tr str calc cmt, tr olv gry sity mtx & grad to SLTY SST, com carb spks, com lith, r mic flk, dom disagg, tr fri-hd agg, v p vis por, fr inf por, n shw

SILTSTONE: olv blk, mnr grysh blk, aren, com carb lam & spks, tr micmic, mnr calc mat, mnr lith, tr glauc, tr pyr, soft-hd, dom brit-mod hd,



mnr sft-frm, com hd, sbbly-sbfiss

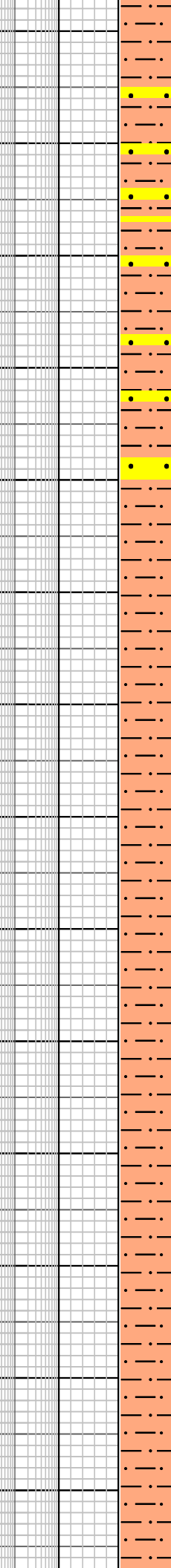
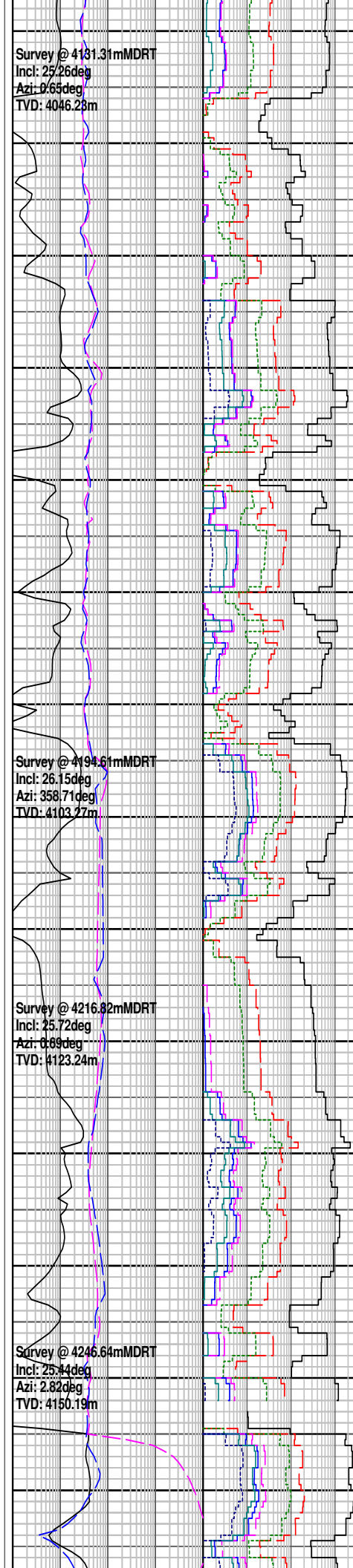
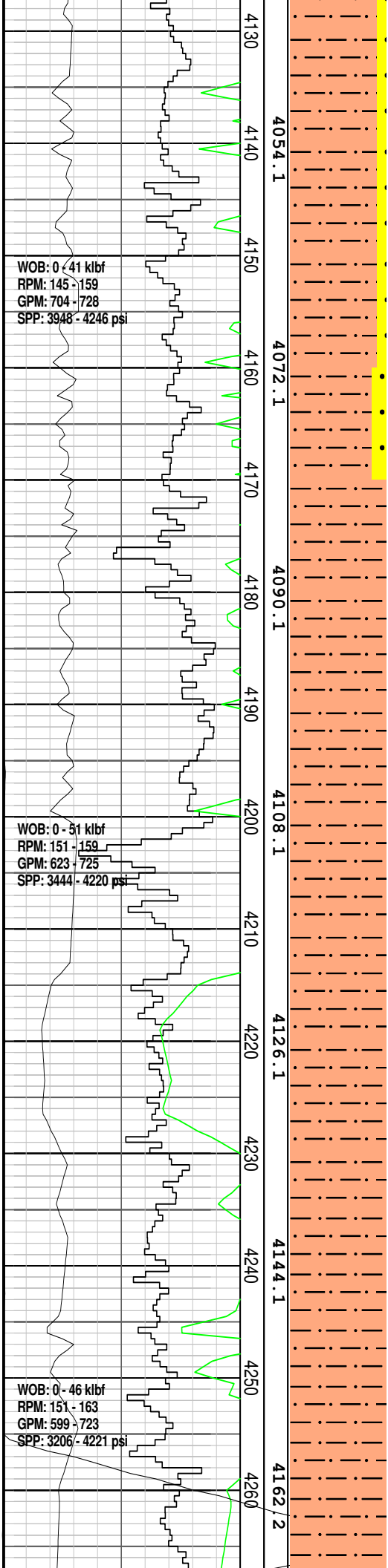
SANDSTONE: clr-trnsl, v f-crs, dom v f-f, com med, tr crs, wl srt, rnd-sbang, dom sbang-sbrnd, com rnd, mnr ang, tr mic flk, disagg, p inf por, n shw

SILTSTONE: olv blk, com grysh blk, v aren, carb whr grysh blk, mnr arg, com carb lam & spks, mnr micmic, mnr lith, tr glauc, tr pyr, sft-hd, dom brit-hd whr aren, hd whr carb, mnr sft-frm whr arg, sbbly-sbfiss, dom sbbly

SILTSTONE: olv blk, aren, rarely carb, mnr arg, r Dol, micmic, r carb lam & spks, mnr lith, tr nod & dissem pyr, frm-mod hd, dom brit, abdt mod hd, com frm, sbbly-sbfiss, dom sbbly

FLUORESCENCE: (4100.0-4160.0)
Tr-5% dll-mod brt ptchy-evn yelsh gn fluor ass/w calc cmt agg, v slw yelsh gn strmg ct, thn r/r (>5min to form r/r)

SANDSTONE: clr-trnsl, med lt gry-med gry agg, v f-f, v wl srt, sbrnd-sbang, dom mod stg calc cmt, tr mod stg sil cmt i/p, abdt arg mtx, com lith, tr v f carb mat, dom brit-hd agg, abdt disagg, v p vis por, p inf por, fluor

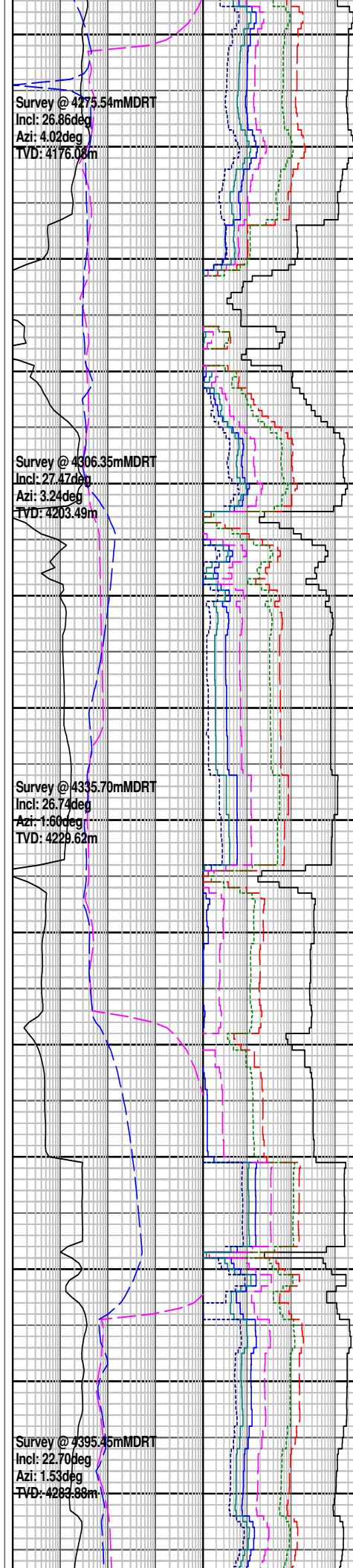
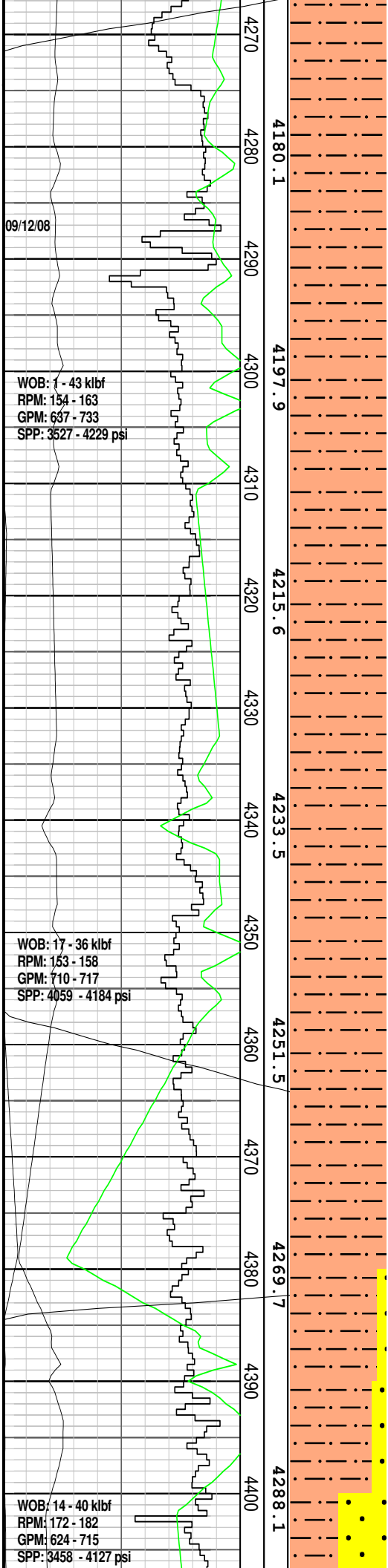


SILTSTONE: olv blk, arg, abdt aren, tr dol, micmic, mnr v f carb mat, tr lith, tr nod & dissem pyr, tr calc frag, sft-mod hd, dom brit, abdt mod hd, com frm & sft, sbbly-sbfiss, dom sbbly

SILTSTONE: olv blk, dom arg, com aren, micmic, tr mic flk, r v f carb mat, tr lith, tr nod & dissem pyr, tr v f glauc, frm-mod hd, dom frm-brit, mnr mod hd, sbbly-sbfiss, dom sbbly

SILTSTONE: dk gry-olv blk, dom arg, com aren, micmic, tr carb spks, tr v f glauc gr, frm-mod hd, brit i/p, sbbly-sbfiss

SILTSTONE: olv blk, dom arg, abdt aren, micmic, mnr carb spks & tr lam, tr nod pyr, tr v f glauc gr, tr lith, tr wh calc mat, frm-mod hd, brit i/p, sbbly-sbfiss

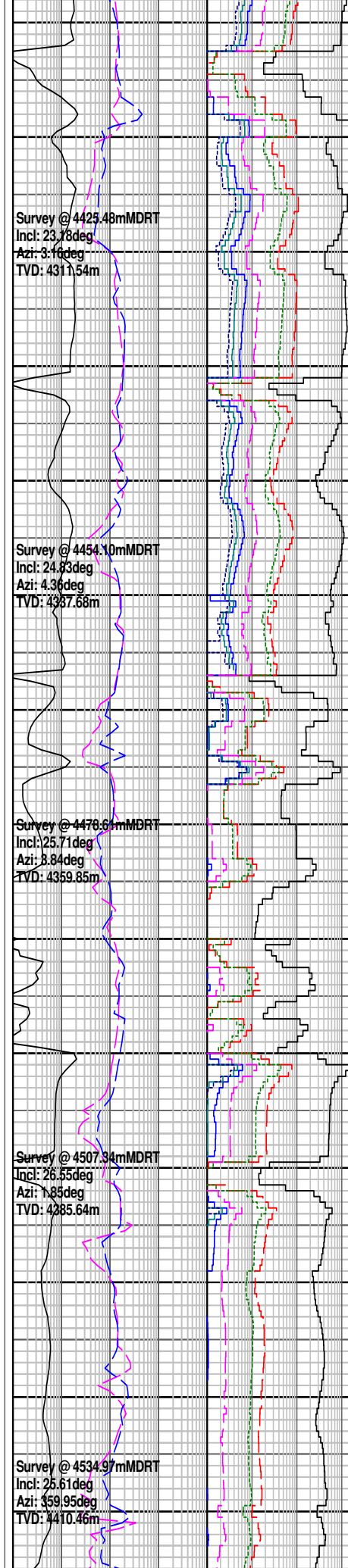
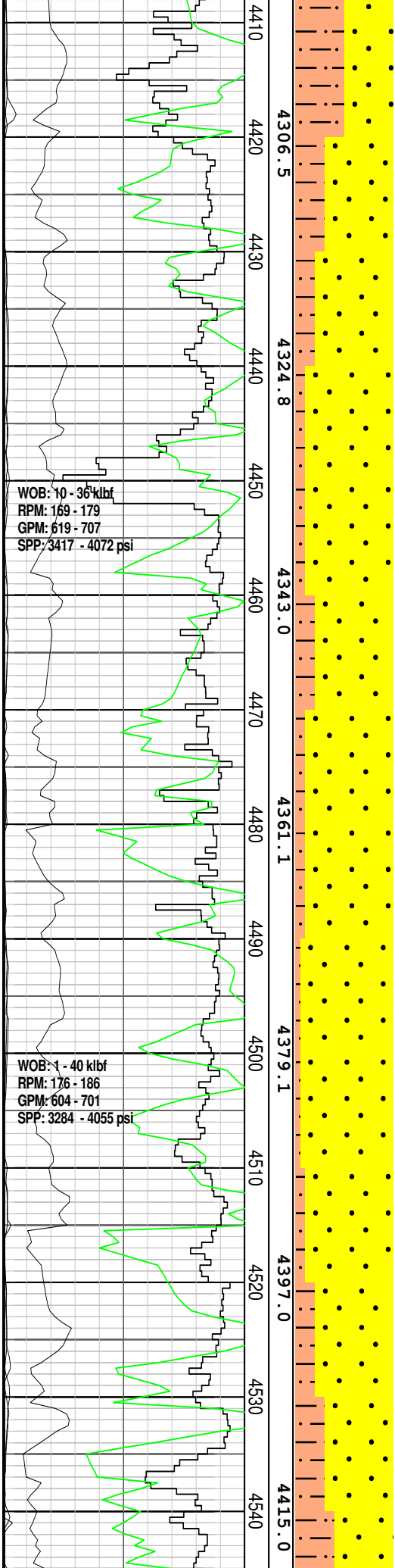


SILTSTONE: med dk gry-olv blk, abdt arg, com aren, micmic, tr carb spks, tr v f glauc gr, tr nod pyr, tr wh calc mat, frm-mod hd, brit i/p, sbblky-sbfliss

SILTSTONE: dk gry-olv blk, com arg, mnr aren, micmic, tr carb spks, tr v f glauc gr, tr nod pyr, tr wh calc mat, frm-mod hd, brit i/p, sbblky-sbfliss

SILTSTONE: dk gry-olv blk, com arg, mnr aren, micmic, tr carb spks, tr v f glauc gr, tr nod pyr, tr wh calc mat, frm-mod hd, brit i/p, sbblky-sbfliss

SANDSTONE: clr-trnsl, med-lt gry agg, v f-f, v wl srtd, sbrnd-ang, dom sbang-sbrnd, com ang, wk sil cmt, fri agg, dom disagg, p vis por, p inf por, n shw

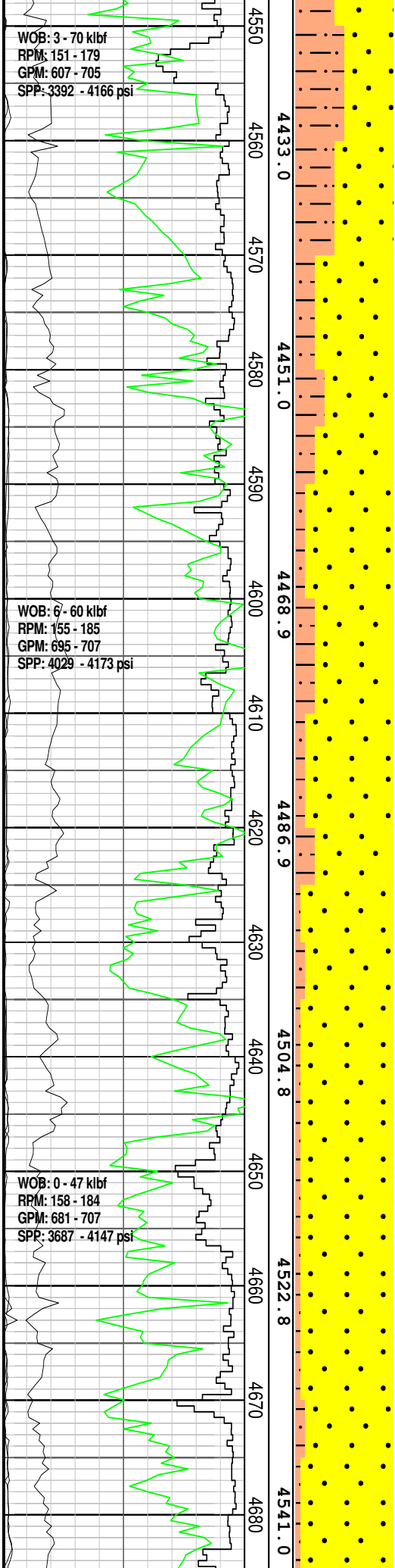


SILTSTONE: olv blk-dk gry, com gnsh blk, arg & aren, micmic, tr mic flk, mnr carb spks & mat, tr v f glauc, tr calc frag, tr nod & dissem pyr, tr lith, frm-hd, dom mod hd-hd, com frm & brit, dom sbbkly, com sbfiss

SANDSTONE: clr-trnsl, med lt gry agg, v f-v crs, dom f-med, abdt v f, abdt crs-v crs, agg are v f-f, p srt, sbrnd-ang, dom sbang, com sbrnd, com ang, dom wk-mod sil cmt, mnr stg calc cmt, abdt wh arg mtx & grd to ARG SST, tr lt gry slty mtx, tr lith, tr carb mat, tr nod pyr, fri-brit agg, dom disagg, p vis por, p inf por, n shw

SILTSTONE: olv blk-dk gry, aren, com carb, micmic, com carb spks & mat, tr v f glauc, tr calc frag, tr nod & dissem pyr, tr lith, frm-hd, dom mod hd-hd, com frm-brit, dom sbbkly, com sbfiss

SANDSTONE: clr-trnsl, med lt gry-med gry agg, op crs-v crs gr, v f-v crs, dom f, abdt med, com v f, com crs-v crs, v f-f agg, mod srt, sbrnd-ang, dom sbang, com sbrnd, dom wk-mod sil cmt, tr stg calc cmt, tr res pyr cmt, abdt wh arg mtx & grd-ARG SST, tr lith, abdt carb mat, tr nod pyr, com calc frag, tr glauc, fri-brit agg, dom disagg, fr vis por, fr inf por, n shw



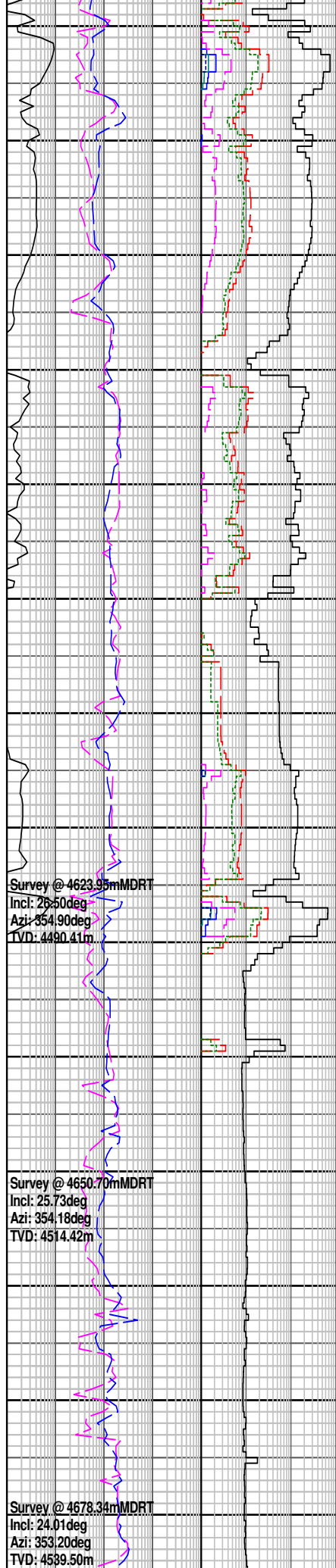
WOB: 3 - 70 klbf
 RPM: 151 - 179
 GPM: 607 - 705
 SPP: 3392 - 4166 psi

WOB: 6 - 60 klbf
 RPM: 155 - 185
 GPM: 695 - 707
 SPP: 4029 - 4173 psi

WOB: 0 - 47 klbf
 RPM: 158 - 184
 GPM: 681 - 707
 SPP: 3687 - 4147 psi

4550
4560
4570
4580
4590
4600
4610
4620
4630
4640
4650
4660
4670
4680

4433.0
4451.0
4468.9
4486.9
4504.8
4522.8
4541.0



Survey @ 4623.95mMDRT
 Incl: 26.50deg
 Azi: 354.90deg
 TVD: 4490.41m

Survey @ 4650.70mMDRT
 Incl: 25.73deg
 Azi: 354.18deg
 TVD: 4514.42m

Survey @ 4678.34mMDRT
 Incl: 24.01deg
 Azi: 353.20deg
 TVD: 4539.50m

SILTSTONE: olv blk-dk gry, mnr olv gry, aren, com carb spks & mat, tr v f glauc, tr calc frag, tr nod & dissem pyr, tr lith, frm-hd, dom hd-hd, com frm & brit, dom sbbly, com sbfiss

SANDSTONE: clr-trnsl, med lt gry-med gry agg, trnsl-op crs-v crs gr, v f-v crs, dom v f-f, v f-f agg, wl srt, rnd-ang, dom sbrnd-sbang, dom sbrnd-sbang, dom wk-mod sil cmt, com wh arg & med dk gry slty mtx, r lith, com carb spks, fri agg, disagg, fr vis por, fr inf por, n shw

SILTSTONE: olv blk-dk gry, aren, tr arg, micmic, com carb mat, tr calc frag, tr v f glauc gr, tr lith, frm-mod hd, dom frm, brit, sbbly-sbfiss

SILTSTONE: olv blk-dk gry, aren, tr arg, micmic, com carb mat, tr calc frag, tr v f glauc gr, tr lith, frm-mod hd, dom frm, brit, sbbly-sbfiss

