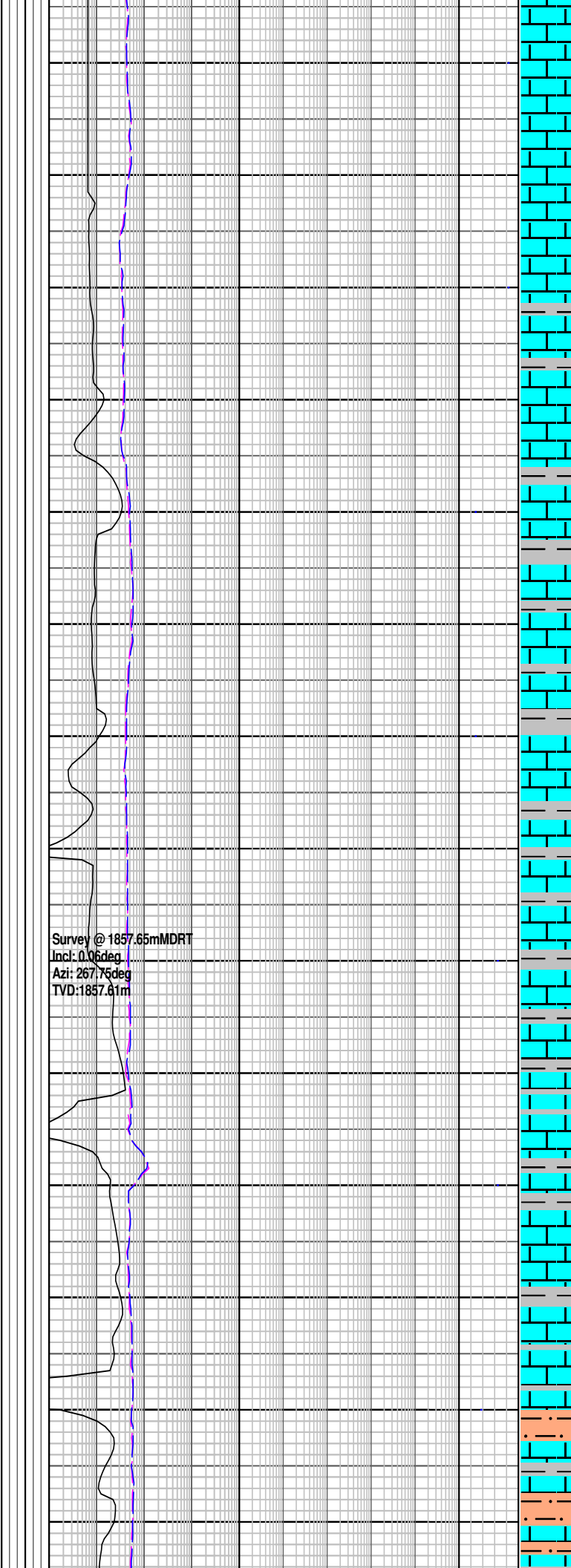
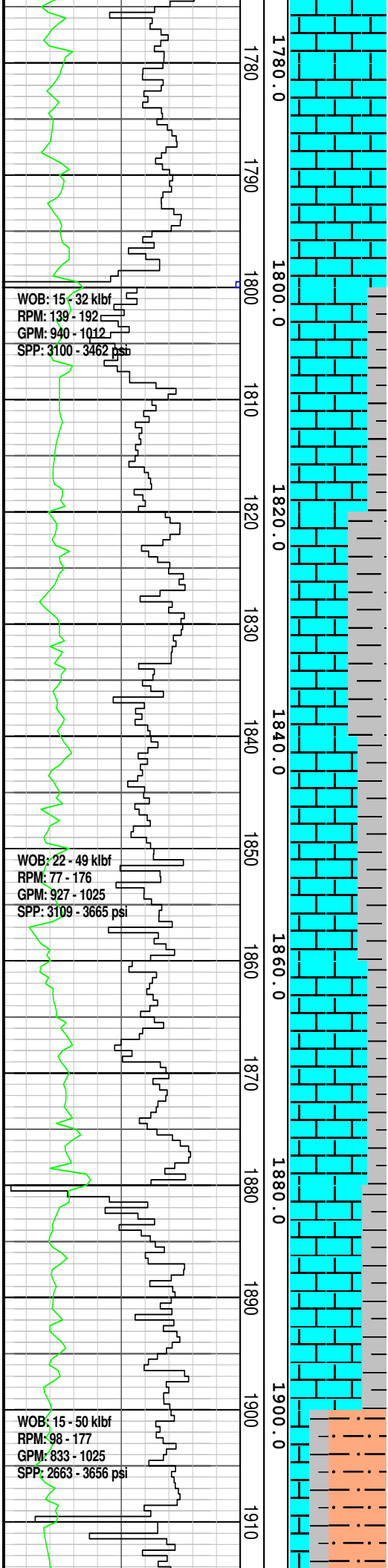


**CALCARENITE:** lt gry, lt or brn, lt gnsh gry, v f-med qtz gr, dom v f-f, mod wl srt, rnd-sbang, abd arg mtx & com grd to CLSLT, com dk lith, tr glauc mat, com microfos, com-abd v hd or brn xln calc frag, frm-mod hd, v p vis por, no hydc fluor

**CALCISILTITE:** med gry-olv gry, com arg mtx & grd to CLCLT, mnr dk lith, mnr glauc mat, com microfos, mnr micmic, sft-frm, dom frm, mnr sft, sbbkly

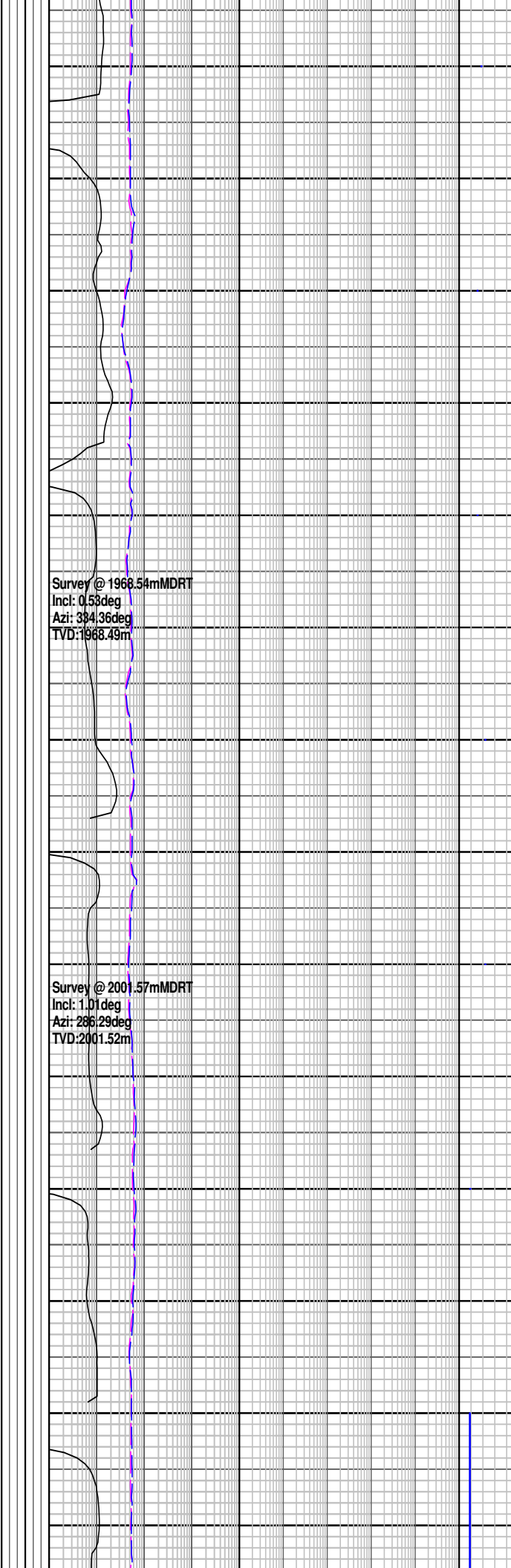
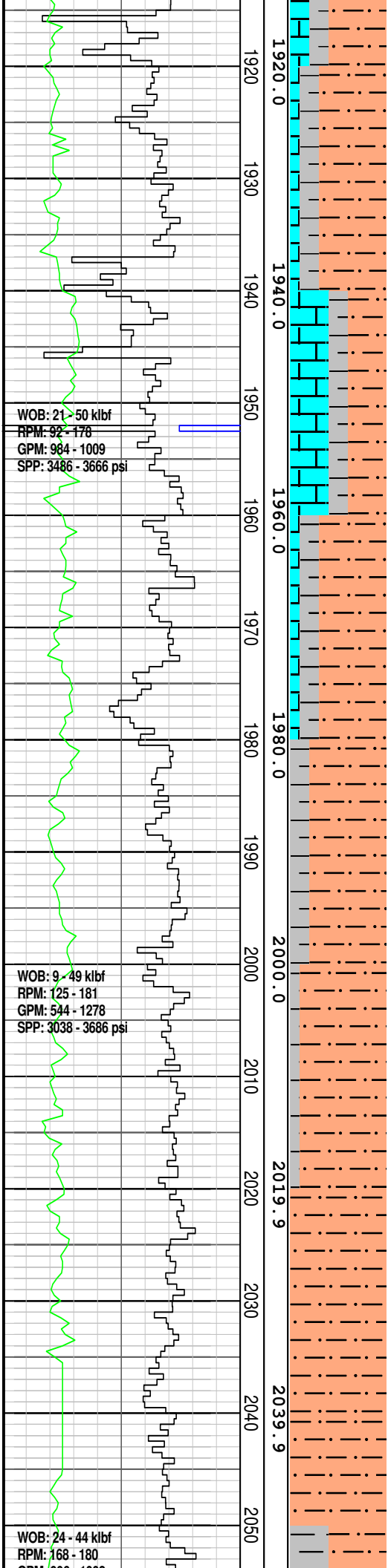


**CALCULUTITE:** med gry-med dk gry, mnr lt gry-med lt gry, mnr olv gry, slit & grd to CLSLT, arg & grd to CALC CLST, mnr dk lith, mnr glauc mat, com microfos, sft-frm, dom frm, sbbiky

**CALCAREOUS CLAYSTONE:** med dk gry-olv gry, grd to arg CLCLT, tr dk lith, sft-frm, sbbiky

**DOLOMITE:** olv gry-dk yelsh brn, mnr med gry, xln, grd to Dol LST, hd-bri, dom blk, fiss i/p

**CALCAREOUS SILTSTONE:** med gry-olv gry, abdt arg mtx, grd to CLSLT, mnr dk lith, mnr glauc mat, com microfos, mnr micmic



micritic, mnr micritic,  
 sft-frm, dom frm, sbbly

**CALCAREOUS CLAYSTONE:**  
 med gry-olv gry, grd to arg  
 CLSLT, tr dk lith, tr glauc mat,  
 sft-frm, dom frm, sbbly

**CALCARENITE:** med lt gry, v  
 f-med qtz gr, dom v f-f gr, wl  
 srt, rnd-sbang, dom rnd, abdt  
 arg mtx, mnr dk lith,  
 sft-disagg, dom sft, mnr frm,  
 p vis por, p inf por, n shw

**CALCAREOUS SILTSTONE:**  
 med gry-olv gry, abdt arg  
 mtx, grd to CLSLT, mnr dk  
 lith, mnr micritic, tr oo, tr calc  
 frag, tr glauc mat, tr v f qtz gr,  
 frm-bri, dom frm, blk-sbbly,  
 mnr blk

**CALCAREOUS SILTSTONE:**  
 med gry-olv gry, abdt arg  
 mtx, grd to CLSLT, mnr dk  
 lith, mnr micritic, tr oo, tr calc  
 frag, tr glauc mat, tr v f qtz gr

GPM: 996 - 1002  
SPP: 3651 - 3757 psi

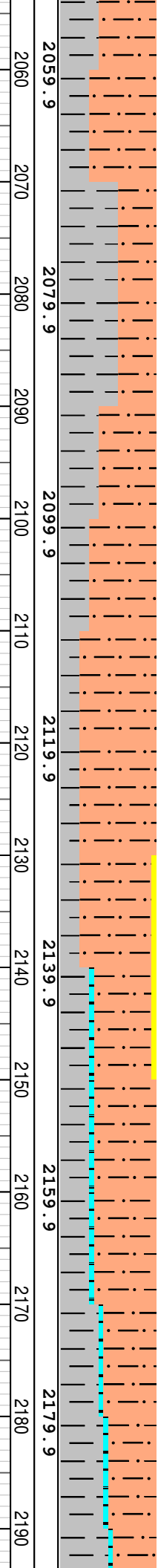
WOB: 8 - 47 kbf  
RPM: 155 - 184  
GPM: 990 - 1011  
SPP: 3709 - 3840 psi

Continue transfer mud from Pit 5  
to Active thru flowline

WOB: 8 - 39 kbf  
RPM: 155 - 180  
GPM: 995 - 1003  
SPP: 3786 - 3884 psi

Stop adding from Pit 5. Remove  
Pit 5 from active pits.

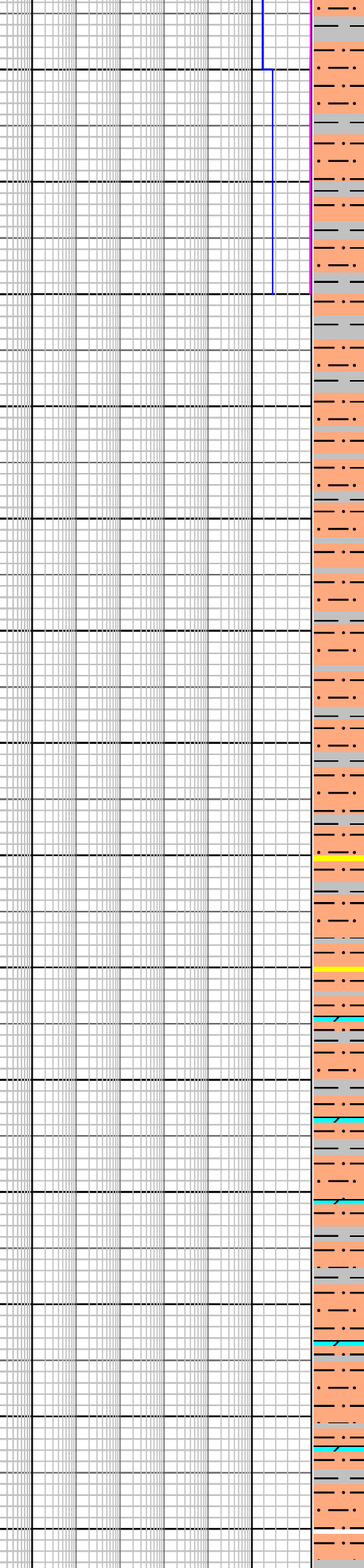
GPM: 996 - 1002  
SPP: 3651 - 3757 psi



Survey @ 2061.29mMDRT  
Incl: 1.25deg  
Azi: 200.41deg  
TVD: 2061.23m

Survey @ 2139.18mMDRT  
Incl: 0.09deg  
Azi: 276.98deg  
TVD: 2139.12m

Survey @ 2172.63mMDRT  
Incl: 0.09deg  
Azi: 292.09deg  
TVD: 2172.57m



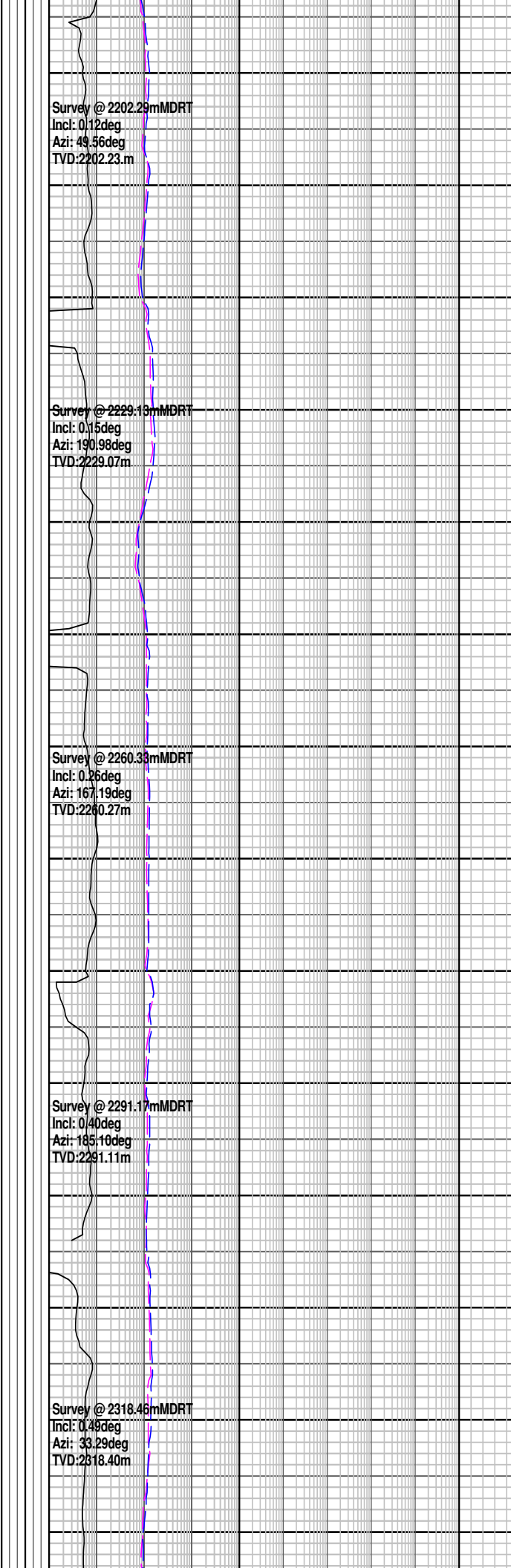
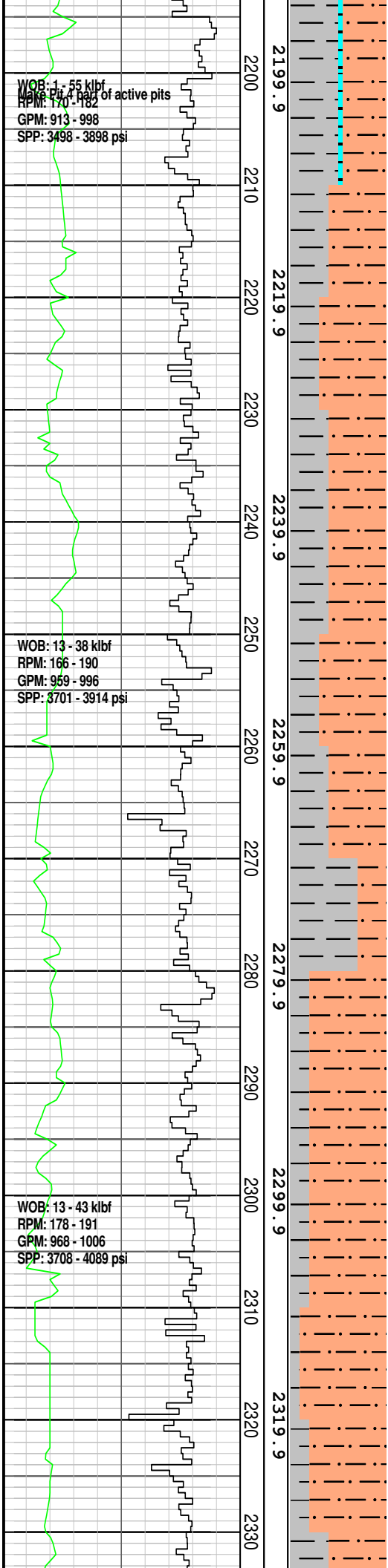
frag, tr glauc mat, tr v f qtz gr,  
frm-bri, dom frm, blk-sbbkly,  
mnr blk

**CALCAREOUS CLAYSTONE:**  
med gry-olv gry, com-med lt  
gry, grd to arg CLSLT, slit &  
grd to CALC SLTST, tr dk lith,  
tr glauc mat, tr fos & oo,  
sft-frm, dom frm, sbbkly

**CALCAREOUS SILTSTONE:**  
med gry-olv gry, abdt arg mtx  
& grd to CALC CLST, tr Dol,  
grd to CLSLT, mnr dk lith,  
mnr micmic, tr oo,  
tr calc frag, tr glauc mat, tr v f  
qtz gr, frm-bri, dom frm,  
blk-sbbkly, mnr blk

**CALCAREOUS CLAYSTONE:**  
med lt gry mott, off wh-lt olv  
gry, abdt arg mtx, rr Dol, com  
dk lith, com v f aren microIn  
i/p, tr v f glauc, frm-hd, dom  
mod hd, blk-sbbkly

**SILTSTONE:** med lt gry w/  
mott, olv gry, abdt arg mtx &  
grd to SLT CLST, com calc &  
grd to CALC SLTST, rr Dol,  
mnr blk



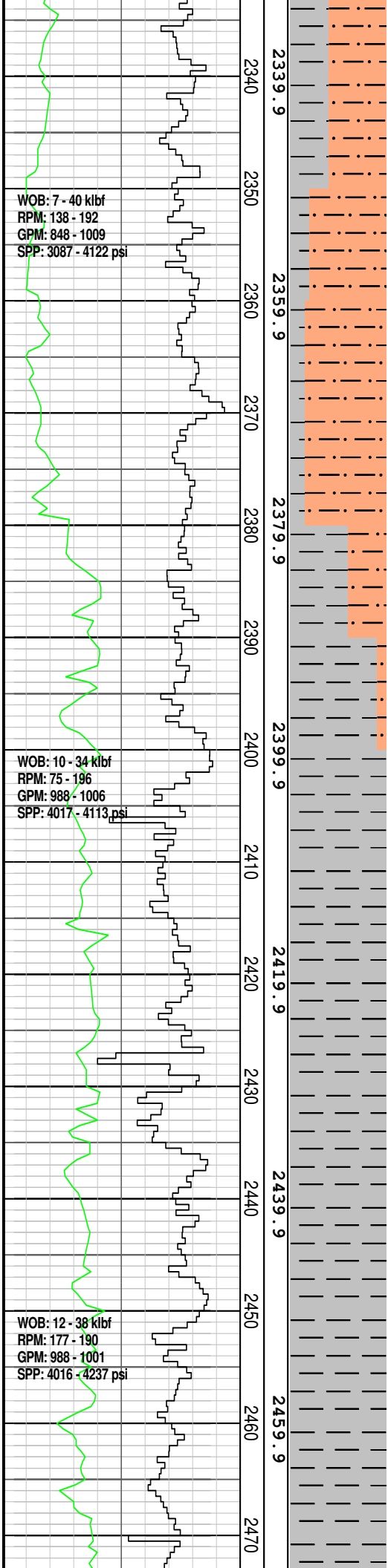
mnr dk lith, mnr v t qtz gr,  
tr Dol microbd, tr v f glauc,  
frm-hd, dom mod hd, abdt  
brit, com frm, mnr hd,  
blky-sbblky, dom sbblky, mnr  
blky

**CALCAREOUS SILTSTONE:**  
med lt gry w/ mott, olv gry,  
abdt arg mtx, rarely Dol, com  
dk lith, com v f aren, com  
microIn, tr Dol microbd,  
tr v f glauc, frm-v hd, dom  
mod hd, blky-sbblky

TRANSFER MUD TO SLUG PIT

**CALCAREOUS CLAYSTONE:**  
off wh-med lt gry w/ mott, off  
wh-lt olv gry, abdt arg mtx,  
com dk lith, com v f aren,  
microIn i/p, tr microfos,  
frm-hd, dom mod hd,  
blky-sbblky

**CALCAREOUS SILTSTONE:**  
dom off wh-olv gry w/ mott,  
lt-med gry, abdt arg mtx, com  
dk lith, com v f aren, com fltg  
qtz gr, com microIn, mnr v f  
glauc mat, frm-v hd, dom  
mod hd, blky



Survey @ 2347.23mMDRT  
Incl: 0.81deg  
Azi: 45.26deg  
TVD: 2347.16m

Survey @ 2403.59mMDRT  
Incl: 0.45deg  
Azi: 115.62deg  
TVD: 2403.43m

Survey @ 2433.19mMDRT  
Incl: 0.03deg  
Azi: 155.86deg  
TVD: 2433.12m

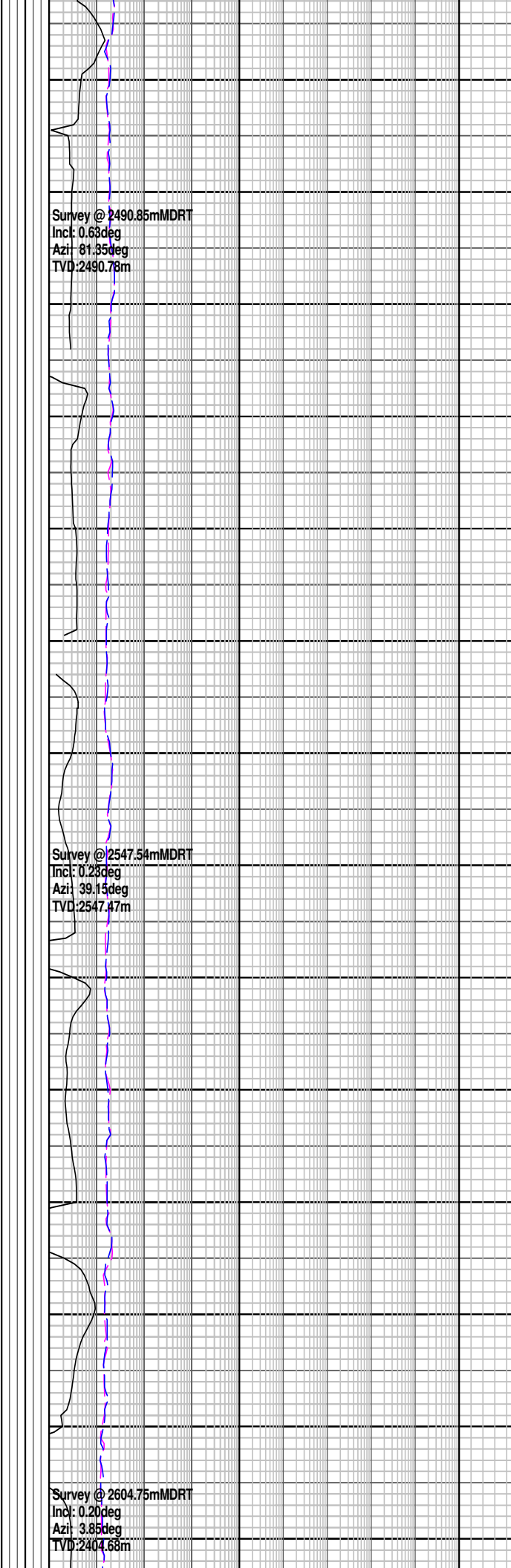
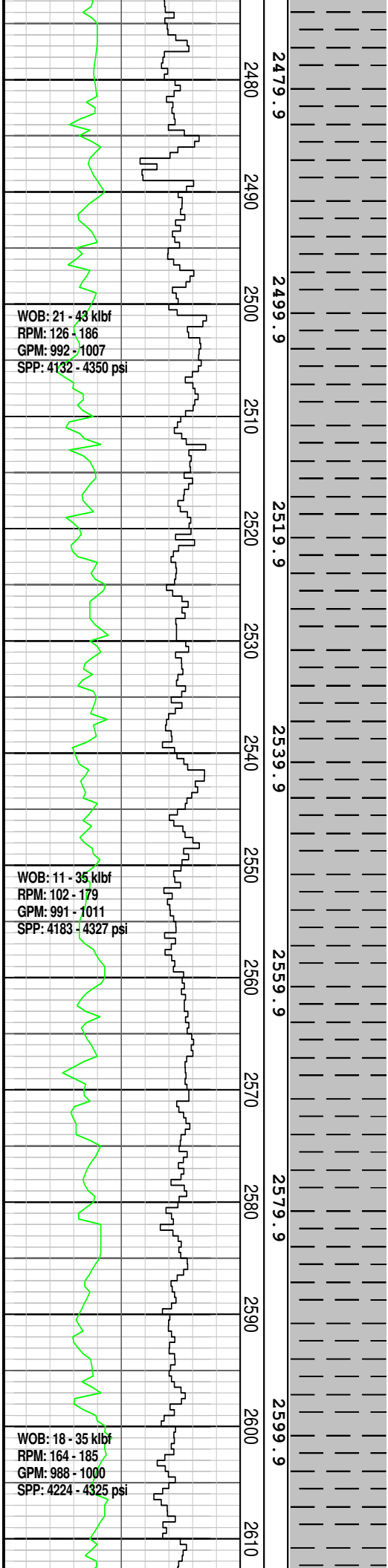
Survey @ 2464.21mMDRT  
Incl: 0.29deg  
Azi: 156.76deg  
TVD: 2464.14m

**CALCAREOUS SILTSTONE:**  
dom off wh-olv gry w/ mott,  
lt-med gry, abdt arg mtx, com  
dk lith, com v f aren, com fltg  
qtz gr, com microxln, mnr v f  
glauc mat, frm-v hd, dom hd,  
blky

**CALCAREOUS SILTSTONE:**  
dom off wh-olv gry w/ mott  
ap, incr com olv gry, abdt arg  
mtx, com dk lith, com v f  
aren, com fltg qtz gr, tr  
microxln, mnr v f glauc mat,  
f-v hd, dom hd, blky-sbblky

**CALCAREOUS CLAYSTONE:**  
olv gry, med gry, mnr pl  
gry-off wh, com calc & grd to  
MARL, slty i/p & grd to CALC  
SLTST, occ dk lith &  
microlam, tr v f qtz gr,  
r microfos, r glauc mat,  
frm-mod hd, sbblky-blky

**CALCAREOUS CLAYSTONE:**



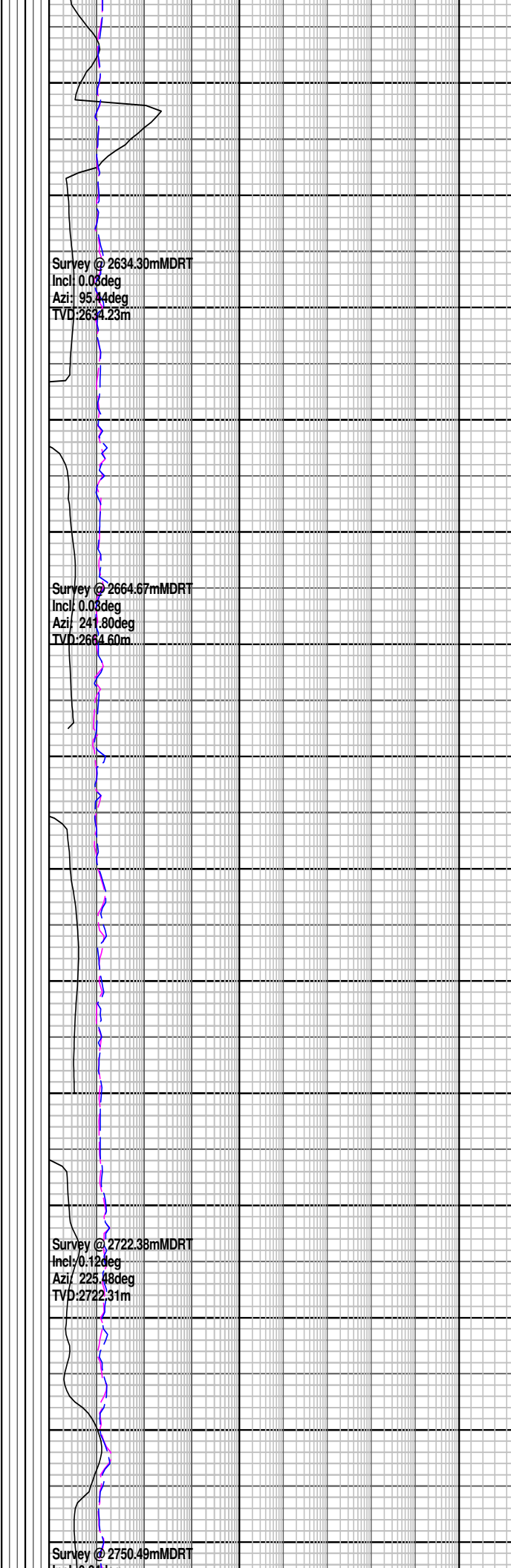
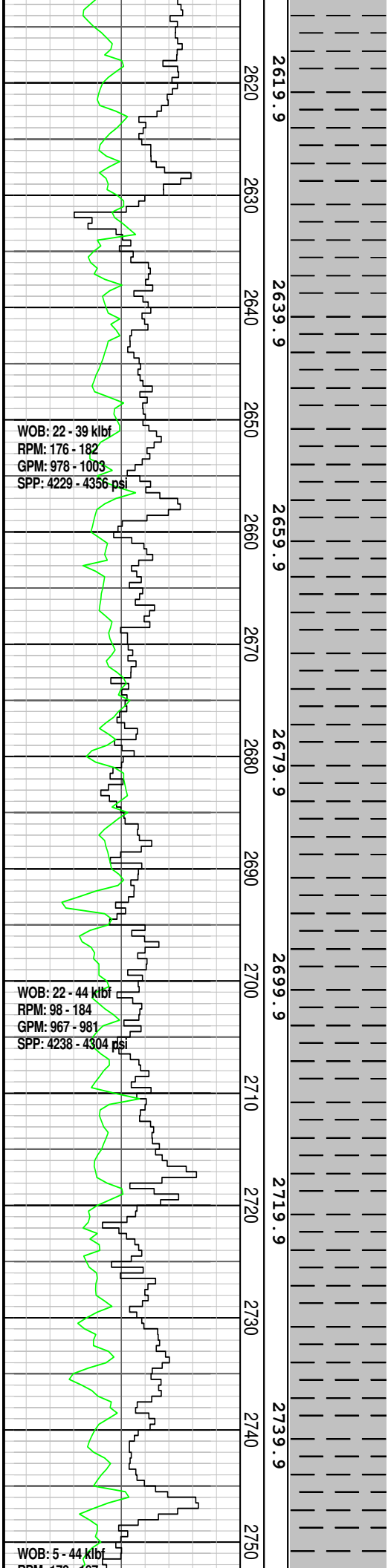
lt olv gry-olv gry, off wh-lt gnsht gry, com calc & grd to MARL, mnr slty i/p, com carb spks, com lse f qtz gr, com microfos & xln frag, r dissem pyr, frm-mod hd, sbbly-bly

**CALCAREOUS CLAYSTONE:**  
 lt olv gry-olv gry, off wh-lt gnsht gry, com calc & grd to MARL, mnr slty i/p, com carb spks, com lse f qtz gr, com microfos & xln frag, r dissem pyr, frm-mod hd, sbbly-bly

**CALCAREOUS CLAYSTONE:**  
 lt olv gry-olv gry, off wh-lt gnsht gry, com calc & grd to MARL, mnr slty i/p, r carb spks, tr mnr-lse v f-med qtz gr, tr microfos & xln frag, mnr nod & dissem pyr, frm-mod hd, sbbly-bly

**CALCAREOUS CLAYSTONE:**

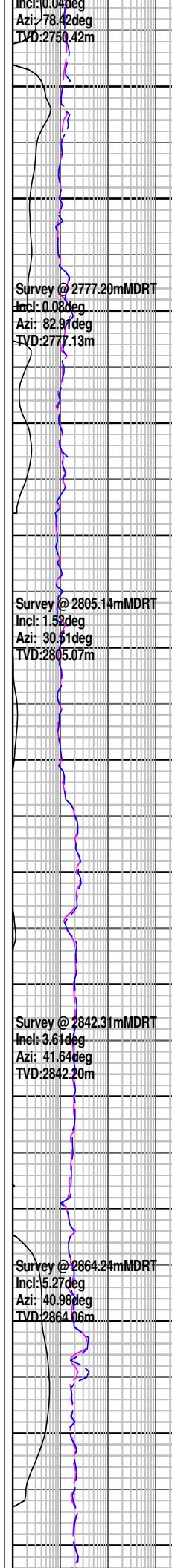
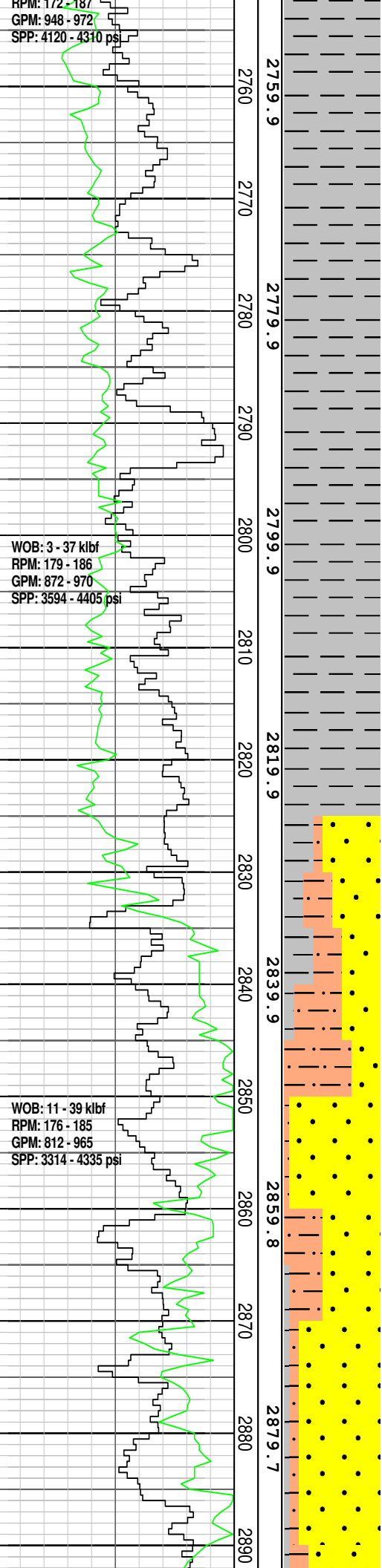




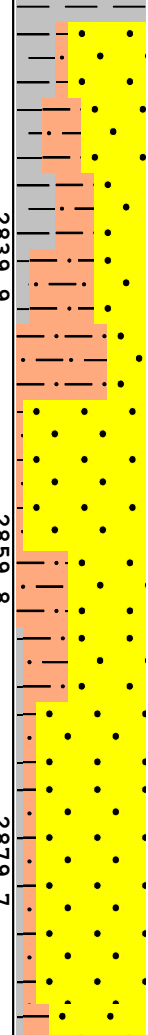
lt olv gry-olv gry, off wh-lt gnsn gry, com calc & grd to MARL, mnr slty i/p, r carb spks, tr mnr-lse v f-med qtz gr, tr microfos & xln frag, mnr nod & dissem pyr, frm-mod hd, sbbkly-blky

**CALCAREOUS CLAYSTONE:**  
 med gry-med dk gry, tr dk gnsn gry, v calc & grd to MARL, tr slty i/p, com lse & fitg v f qtz gr & grd sd CLST, mnr fos & xln frag, r nod & dissem pyr, sft-mod hd, dom frm, mnr sft, com brit-mod hd, sbbkly-sbfiss, r amor

**CALCAREOUS CLAYSTONE:**  
 med gry-med dk gry, mnr dk gnsn gry, v calc & grd to MARL, tr slty i/p, mnr lse v f-f qtz gr, mnr fos & xln frag, tr oo, tr nod & dissem pyr, tr DOL microlam, sft-mod hd, dom frm-brit, mnr sft, mnr mod hd, sbbkly-sbfiss, dom sbbkly, r amor



2759.9  
2760  
2770  
2779.9  
2780  
2790  
2799.9  
2800  
2810  
2819.9  
2820  
2830  
2839.9  
2840  
2850  
2859.8  
2860  
2870  
2879.7  
2880  
2890



**CALCAREOUS CLAYSTONE:**  
med gry, com med dk gry, mnrv olv gry, 5% w/ mott ap & tr glauc, v calc & grd to MARL, mnrv slty i/p, mnrv lse v f-f qtz gr, tr fos & xln frag, tr nod & dissem pyr, tr carb mat, sm tex i/p, sft-mod hd, dom frm-brit, com mod hd, sbbly-sbfiss, dom sbbly

**SANDSTONE:** clr-trnsl, olv gry, v f-med, dom v f-f, com med, w/ srt, sbrnd-rnd, dom sbrnd, abdt rnd, nil vis cmt, tr pyr cmt, abdt glauc, tr pyr, tr fos, disagg, p inf por, n shw

**SILTSTONE:** dom olv blk, com grysh blk-brnsh blk, aren grd to arg, abdt v f-crs glauc & grd to GLAUC SLTST, mnrv micmic, tr v f fltg qtz gr, r mic flk, tr pyr, sft-frm, sbbly

**GLAUCONITIC SANDSTONE:** clr-trnsl, v f-v crs, dom f-med, mod srt, ang-sbrnd, dom sbang, abdt sbrnd, nil vis cmt, tr pyr cmt, tr disp arg mtx, f-crs glauc, r pyr, r mic flk, disagg,

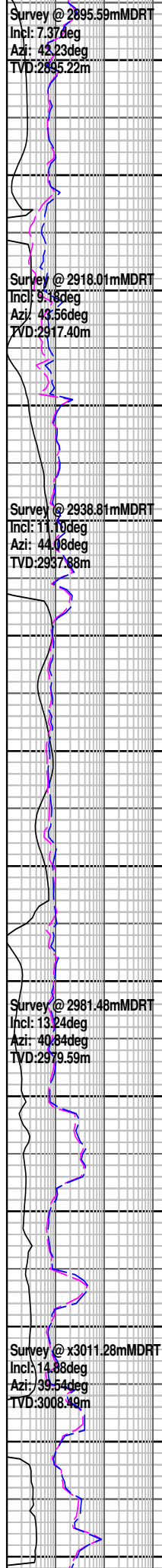
WOB: 6 - 40 klbf  
RPM: 178 - 185  
GPM: 818 - 849  
SPP: 8321 - 4252 psi

WOB: 5 - 31 klbf  
RPM: 172 - 468  
GPM: 798 - 945  
SPP: 3099 - 4236 psi

WOB: 2 - 49 klbf  
RPM: 20 - 182  
GPM: 102 - 938  
SPP: 548 - 4209 psi

2899.6  
2910  
2920  
2930  
2940  
2950  
2960  
2970  
2980  
2990  
3000  
3010  
3020  
3030

2899.6  
2919.4  
2939.0  
2958.6  
2978.1  
2997.6  
3016.9



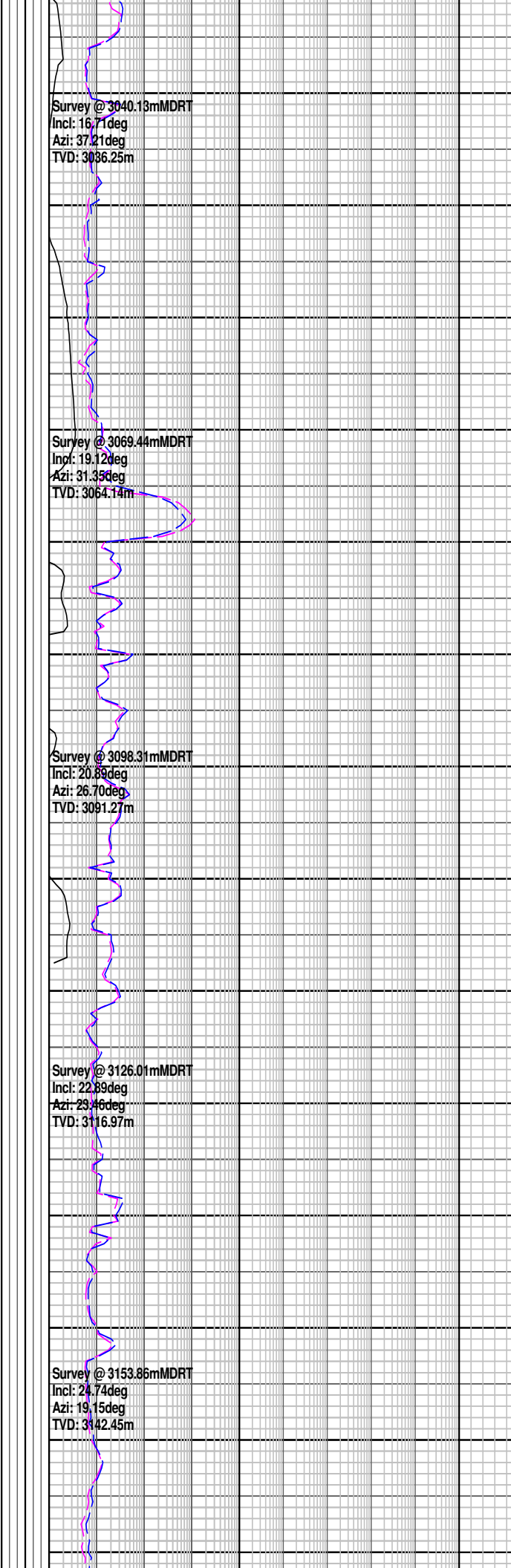
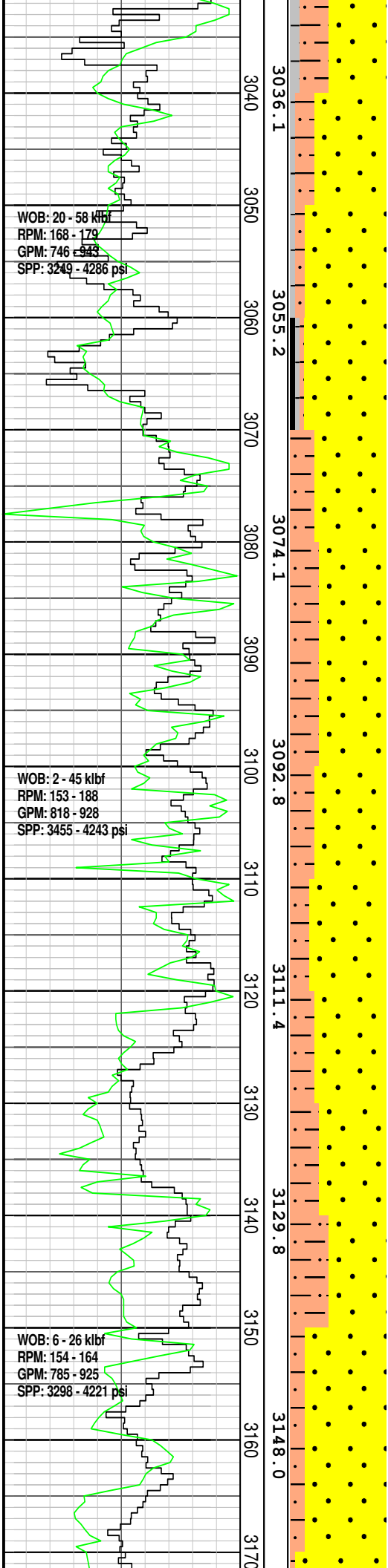
**GLAUCONITIC SILTSTONE:**  
olv blk-grysh blk, com brnsh blk, aren, v f-crs glauc, mnr micmic, r mic flk, tr pyr nod, frm-mod hd, sbblky

**SANDSTONE:** clr-trnsl, op, f-v crs, bi-modal w/ f-med (30%-50%) & crs-v crs (50%-70%), wl srt, ang-rnd, dom sbang, tr mod str sil cmt, r str pyr cmt, abdt f-crs glauc & grd to GLAUC SST, f-med gr, mnr qtz shards, r pyr, tr rd qtz, disagg, gd inf por, n shw

**SANDSTONE:** dom op, abdt clr-trnsl, f-v crs, bi-modal w/ f-med (20%-40%) & crs-v crs (60%-80%), wl srt, ang-rnd, dom sbrnd-rnd, abdt sbang, mnr ang, tr mod sil cmt, tr f glauc, tr qtz shards, tr nod pyr, r carb mat, fri agg, dom disagg, p vis por, gd inf por, n shw

**SILTSTONE:** med dk gry, dom v f aren-mnr arg i/p, tr-mnr carb mat, abdt arg mtx & grad to SLTY CLST, tr lith, sft-brit, dom frm, com sft, mnr brit, sbblky

**CLAYSTONE:** med arv. sltv &



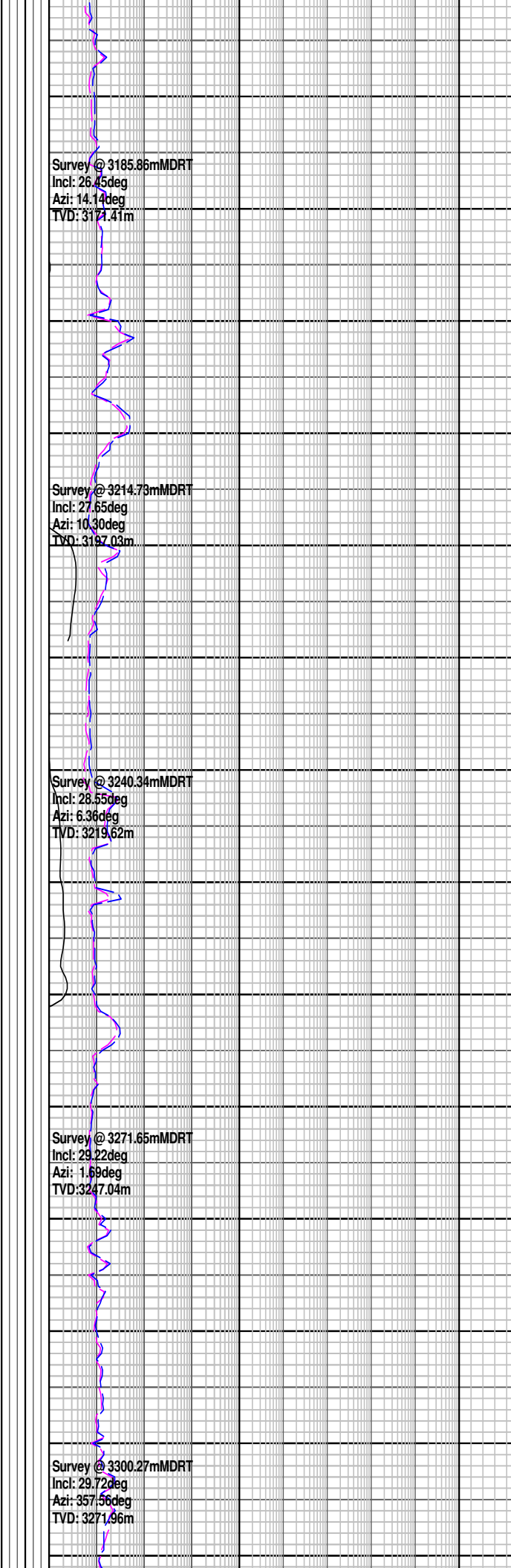
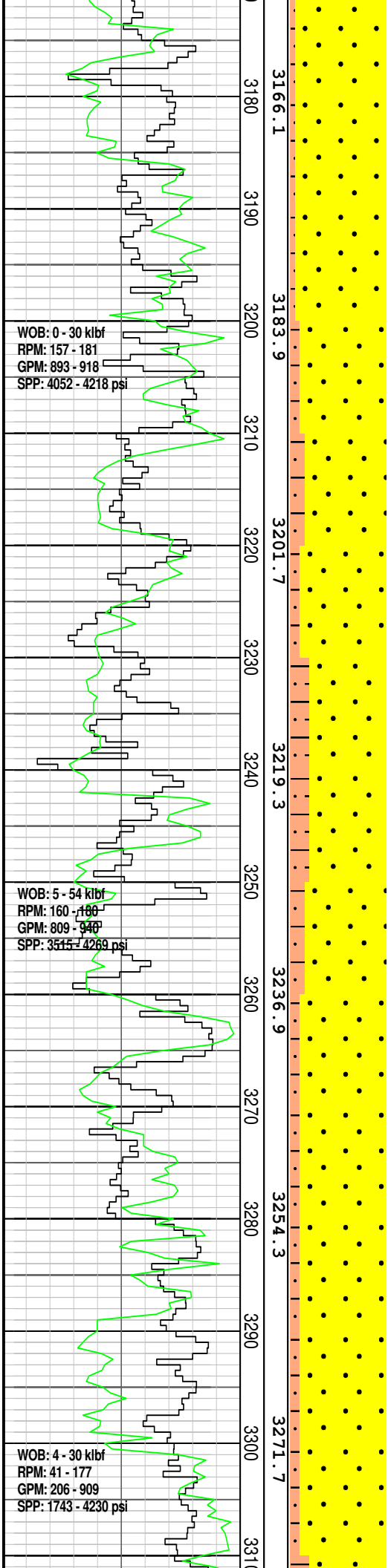
grad to SLTY CLST & ARG  
 SLTST, tr-mnr carb mat, tr  
 lith, tr carb mat, wk calc,  
 frm-brit, dom frm, sbbky

SANDSTONE: op, clr-trnsl, v  
 f-v crs, dom crs-v crs, abdt v  
 f-med, p srt, ang-rnd, dom  
 sbang-sbrnd, com ang & rnd,  
 tr str pyr cmt, tr qtz shards, tr  
 nod pyr, tr carb mat,  
 disagg, gd inf por, n hydc  
 fluor

SANDSTONE: clr-trnsl, pl gry  
 & off wh, v f-v crs, dom v f-v  
 crs, p srt, sbrnd whr v f-f,  
 sbrnd-ang whr crs-v crs, mnr  
 wk calc cmt, com-abdt off,  
 wh & lt gry arg mtx whr v f &  
 com grd to AREN SLTST i/p,  
 tr-mnr mod str pyr cmt, mnr  
 nod pyr, gen lse, mod hd agg,  
 p-fr inf por, n shw

SILTSTONE: olv gry-med brn  
 gry, com lt gry-off wh, occ dk  
 gry-olv blk, com aren & grd to  
 SLTY SST, com carb mat & C  
 frag whr brnsh blk,  
 mnr micmic & lith, occ nod &  
 dissemin pyr, mod hd-hd, mnr  
 brit, sbbky-blky

SANDSTONE: clr-trnsl, pl gry



SANDSTONE: clr-trnsl, pl gry & off wh i/p, dom crs- crs, mnr v f-f, wl srt, sbrnd-ang whr crs-v crs, sbrnd whr v f-f, mnr wk calc cmt, mnr to com off wh mtx whr v f, tr-mnr mod str pyr cmt, mnr nod pyr, tr C frag, gen lse frac gr, com med gry cht gr, r mod hd agg, gd inf por, n shw

SILTSTONE: off wh-lt gry, com olv gry, occ olv blk & med brn, com aren & grd to SLTY SST, com carb mat & C lam & frag whr brnsh, blk, mnr micmic & lith, occ nod & dissep pyr, mod hd-hd, sbblky-blky

SANDSTONE: clr-trnsl, pl gry & off wh i/p, dom crs-v crs, mnr v f-f, wl srt, sbrnd-ang whr crs-v crs, sbrnd whr v f-f, mnr wk calc cmt, mnr to loc com pl gry-off wh mtx whr v f-f agg, tr-mnr mod str pyr cmt, mnr nod pyr, occ C frag, occ Fe stn, gen lse frac gr, com med gry cht gr, r mod hd agg, gd inf por, n shw

