

CHILDERS COVE #1 SPUDDED
ON 19-09-05 @ 18:00HRS

**GEOSERVICES LOG FROM 34m
TAG BOTTOM @ 16m**

BIT #1RR VAREL CH1GMS
SIZE: 12 1/4" JETS: 3x16
IN: 16m OUT:551m
RUN: 535m HRS:11.3
COND: 2-1-WT-A-E-NO-TD

LIMESTONE:off wh,yelsh gry,pl brn
i/p,spar,abdt shell & coral frags,
xin,uncons,fr-i-mod hd.

NO GAS

LIMESTONE:off wh,yelsh gry,pl brn
i/p,mnr dk yelsh org,spar,abdt
shell & coral frags,xin,uncons,fr-i-
mod hd.

10

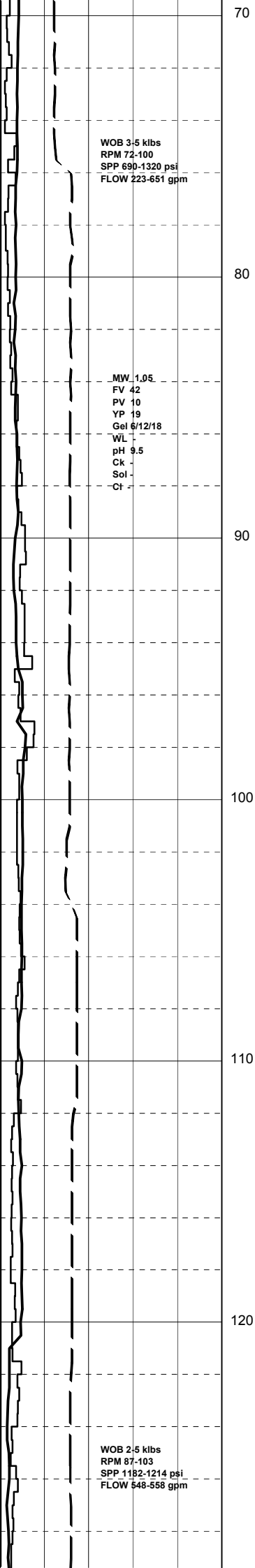
20

30

40

50

60



WOB 3-5 klbs
RPM 72-100
SPP 690-1320 psi
FLOW 223-651 gpm

MW 1.05
FV 42
PV 10
YP 19
Gel 6/12/18
WL -
pH 9.5
CK -
Sol -
Cl -

WOB 2-5 klbs
RPM 87-103
SPP 1182-1214 psi
FLOW 548-558 gpm

NO GAS

NO GAS

LIMESTONE:off wh,yelsh gry,pl brn,pl olv,
i/p,mnr dk yelsh org,spar,abdt
shell & coral frags,xln,uncons,fri-
mod hd.

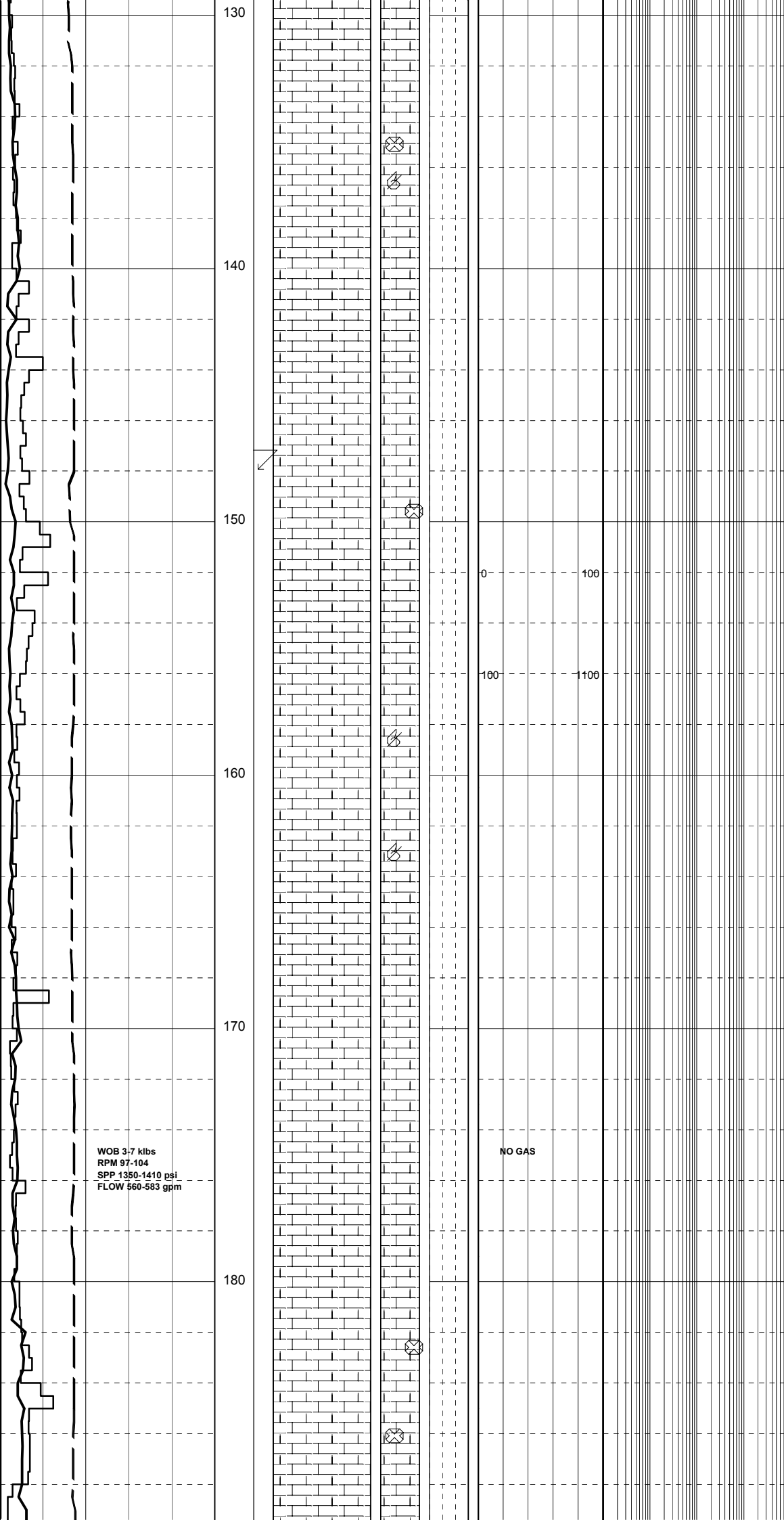
LIMESTONE:off wh,yelsh gry,pl olv,
mnr med lt gry,spar,micr i/p,shell &
coral frags,xln,uncons,fri-mod hd.

SURVEY @ 90.4m: 0.00°

SURVEY @ 102m: 0.00°

LIMESTONE:yelsh gry,lt olv gry,mnr
off wh,spar,micr l/p,com shell &
coral frags,tr-rr grn liths,xln,uncons
fri-mod hd.

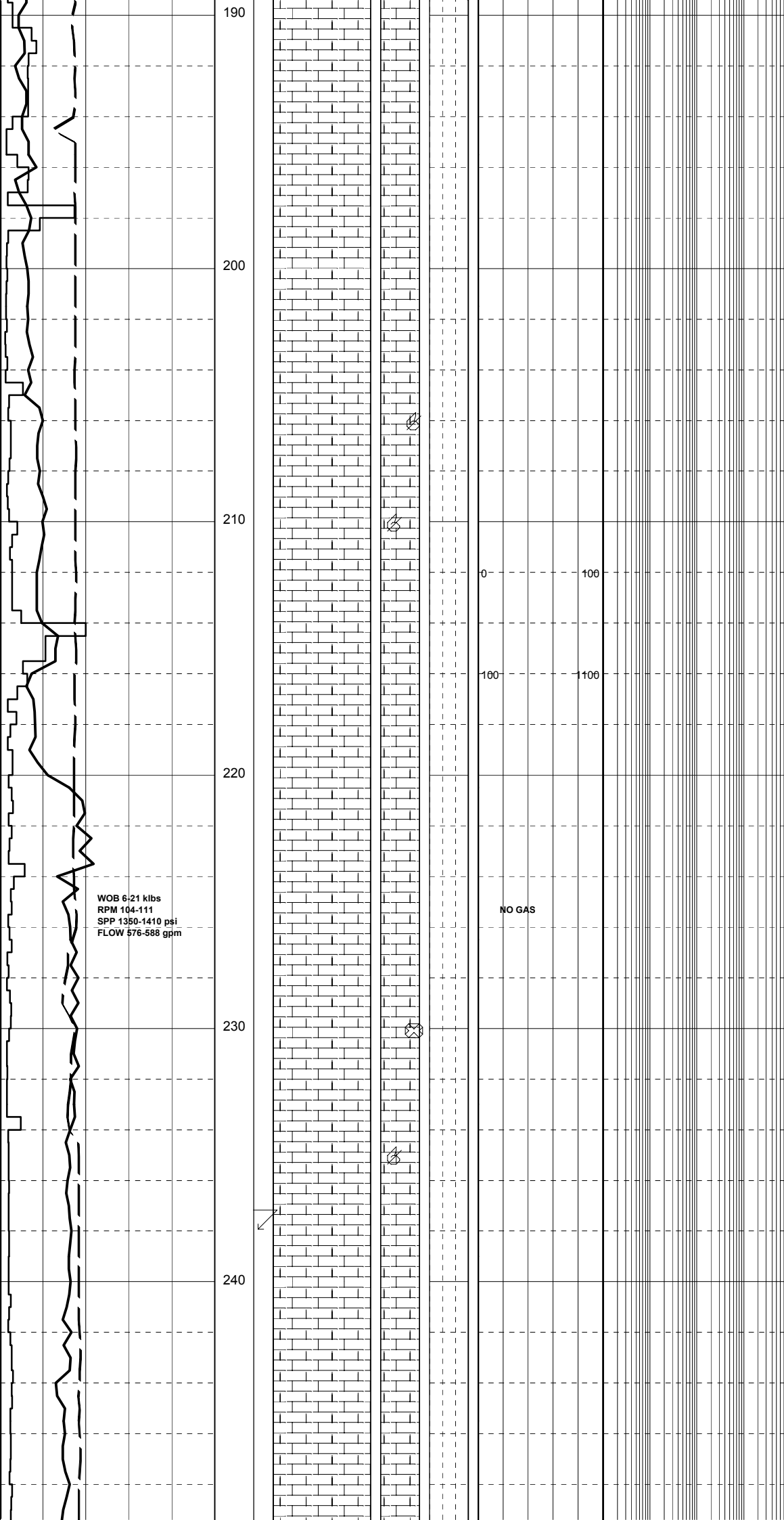
LIMESTONE:lt olv gry,grnsh gry-
off wh,spar,tr micr,foss,abdt shell
& coral frags,mnr-com grn liths,xln,
fri-mod hd,uncons i/p.



LIMESTONE:wh-off wh,yelsh gry,lt
olv gry,spar,micr i/p,com shell &
coral frags,mnr grn liths,tr blk
lith spks,xln,fri-dom mod hd,
uncons i/p.

LIMESTONE:off wh,yelsh gry,lt
olv gry,tr dk grnsh gry,spar,com
loc micr,tr arg,tr MARL frags,com
foss frags,tr grn & blk liths,xln,
dom mod hd-hd,fri i/p.

LIMESTONE:wh-off wh,grnsh-gry,tr
yelsh gry,spar,com micr,tr arg,tr
MARL,mnr-com foss mat,grn & blk
liths,xln,mod hd-hd,fri i/p.



LIMESTONE: off wh, lt olv gry, grnsh gry, spar, com loc micr, tr MARL, com foss mat, xln, fri-mod hd.

LIMESTONE: off wh-lt olv gry, grnsh gry, spar, com loc micr, tr MARL, com foss mat, tr grn & blk liths, xln, fri-mod hd.

LIMESTONE: off wh-lt olv gry, grnsh gry, spar, com loc micr, tr MARL, com foss mat, tr grn & blk liths, xln, fri-mod hd.

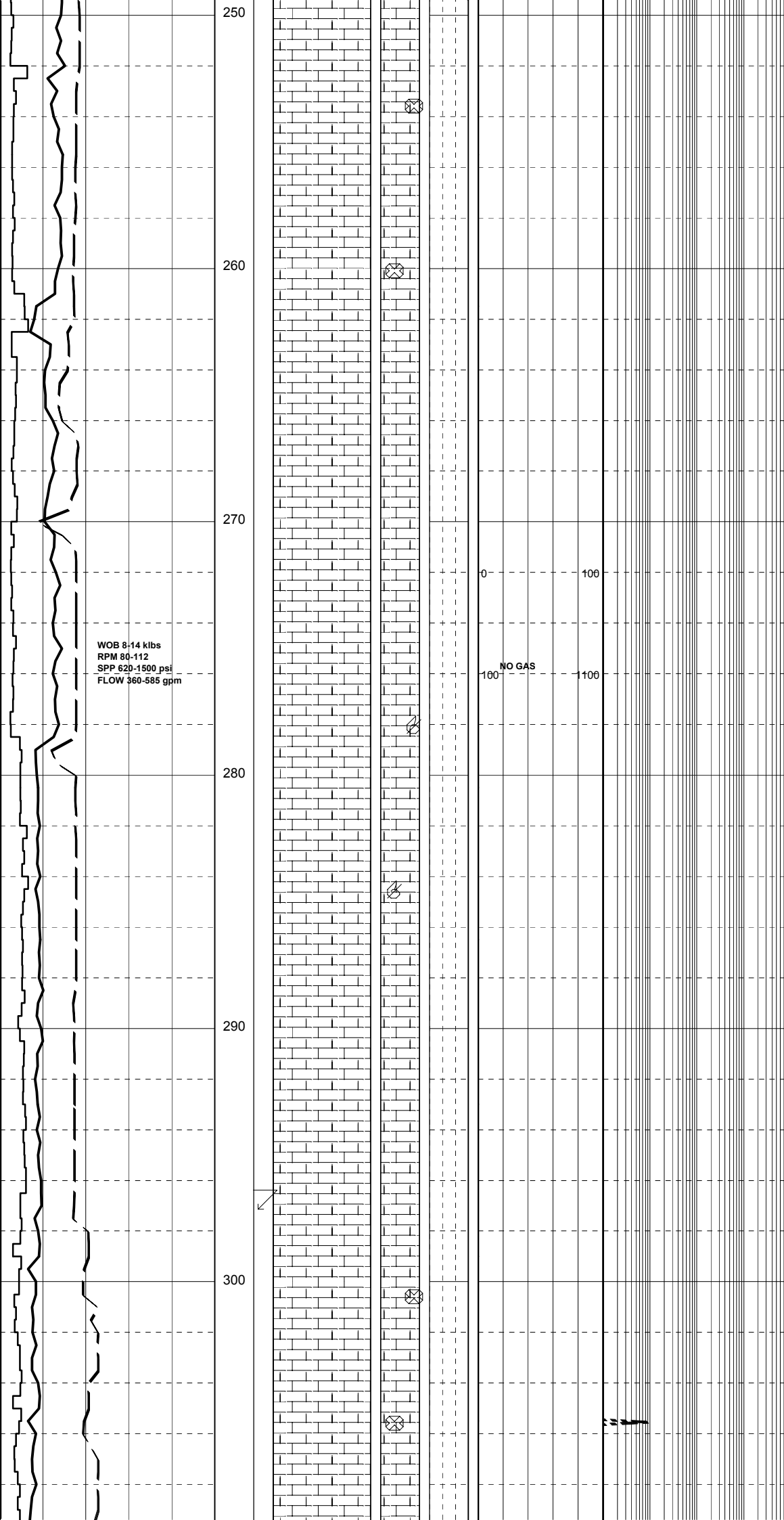
SURVEY @ 238.0m: 0.00°

LIMESTONE: off wh-lt olv gry, grnsh gry, spar, com loc micr, tr MARL, com foss mat, tr grn & blk liths, xln, fri-mod hd.

WOB 6:21 klbs
 RPM 104-111
 SPP 1350-1410 psi
 FLOW 576-588 gpm

NO GAS





LIMESTONE:lt gry,lt olv gry,med grnsh gry,arg,loc com shell & coral frags,mnr dk spks,v sft-sft,blky,dom amorph.

LIMESTONE:lt gry,lt olv gry,med grnsh gry,arg,loc com shell & coral frags,mnr dk spks,v sft-sft,blky,dom amorph.

LIMESTONE:lt gry,lt olv gry,med grnsh gry,arg,loc com shell & coral frags,mnr dk spks,v sft-sft,blky,dom amorph.

SURVEY @ 297.0m: 0.00°

LIMESTONE:lt gry,lt olv gry,med grnsh gry,arg,loc com shell & coral frags,mnr dk spks,v sft-sft,blky,dom amorph.

WOB 8-14 klbs
RPM 80-112
SPP 620-1500 psi
FLOW 360-585 gpm

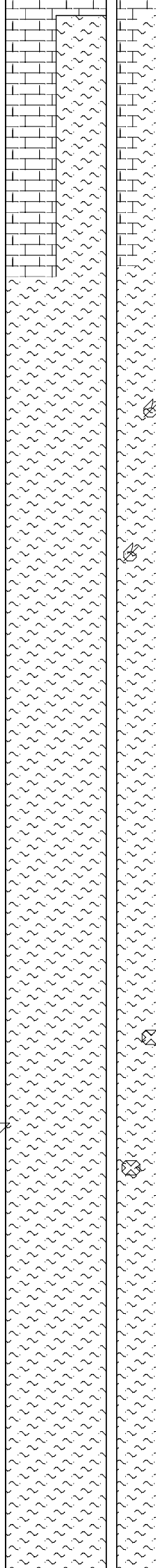
NO GAS

MW 1.05
FV 42
PV 8
YP 18
Gel 10/24/38
WL
pH 8.5
Cr 7
Sol -2
Cl -2.5

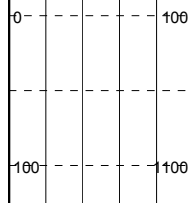
WOB 8-14 klbs
RPM 107-130
SPP 1450-1500 psi
FLOW 530-570 gpm

DATA LOST
355m-375m

310
320
330
340
350
360



NO GAS

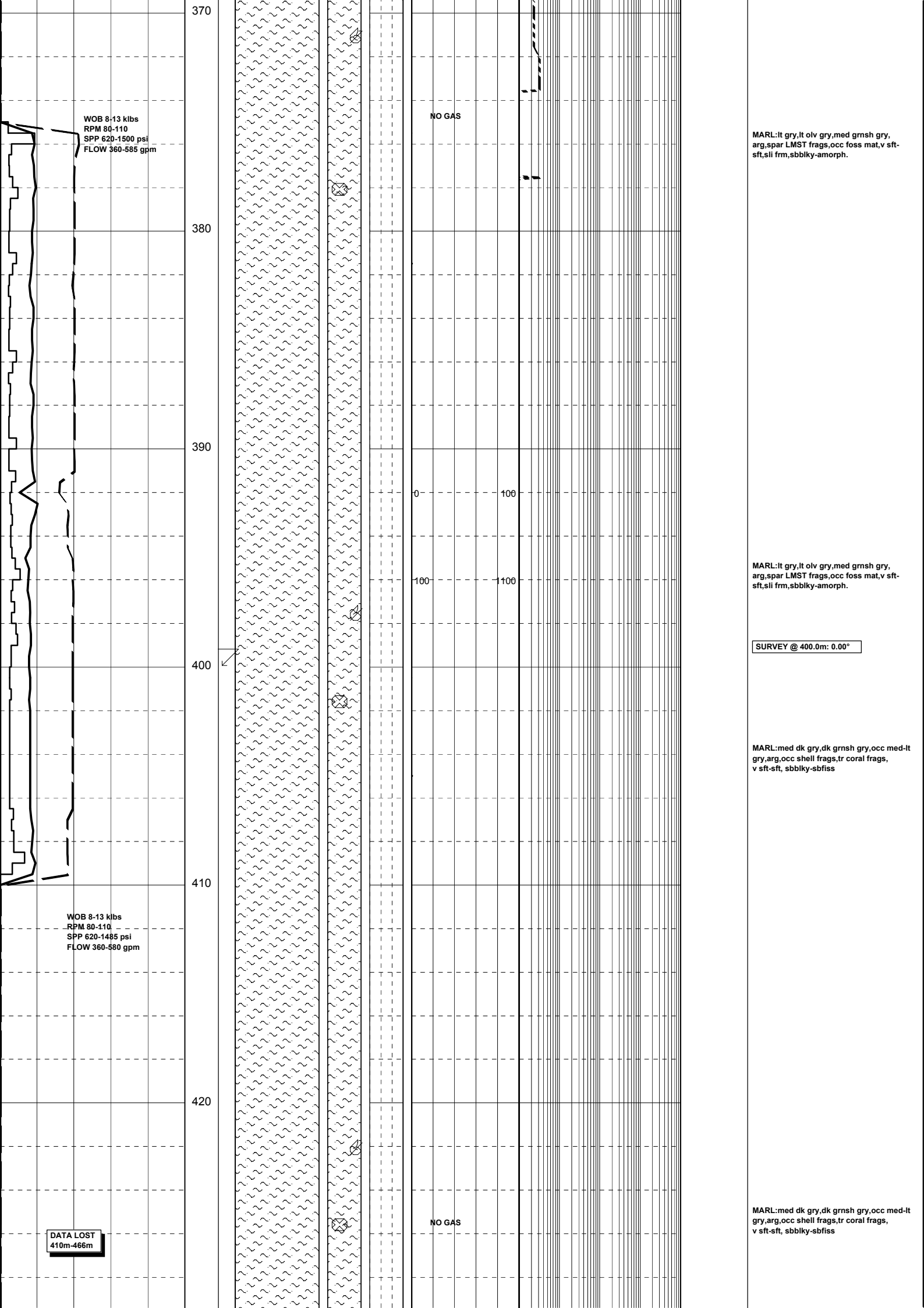


MARL: med gry, grnsh gry, arg, occ spar LMST frags, occ foss mat, v sft-sft, sbbly-amorph.

MARL: med gry, grnsh gry, arg, occ spar LMST frags, occ foss mat, v sft-sft, sbbly-amorph.

MARL: lt gry, lt olv gry, med grnsh gry, arg, spar LMST frags, occ foss mat, v sft-sft, sli frm, sbbly-amorph.

SURVEY @ 353.0m: 0.00°



WOB 8-13 klbs
 RPM 80-110
 SPP 620-1500 psi
 FLOW 360-585 gpm

NO GAS

MARL:lt gry,lt olv gry,med gmsh gry,
 arg,spar LMST frags,occ foss mat,v sft-
 sft,sli frm,sbbiky-amorph.

MARL:lt gry,lt olv gry,med gmsh gry,
 arg,spar LMST frags,occ foss mat,v sft-
 sft,sli frm,sbbiky-amorph.

SURVEY @ 400.0m: 0.00°

MARL:med dk gry,dk gmsh gry,occ med-lt
 gry,arg,occ shell frags,tr coral frags,
 v sft-sft, sbbiky-sbfiss

WOB 8-13 klbs
 RPM 80-110
 SPP 620-1485 psi
 FLOW 360-580 gpm

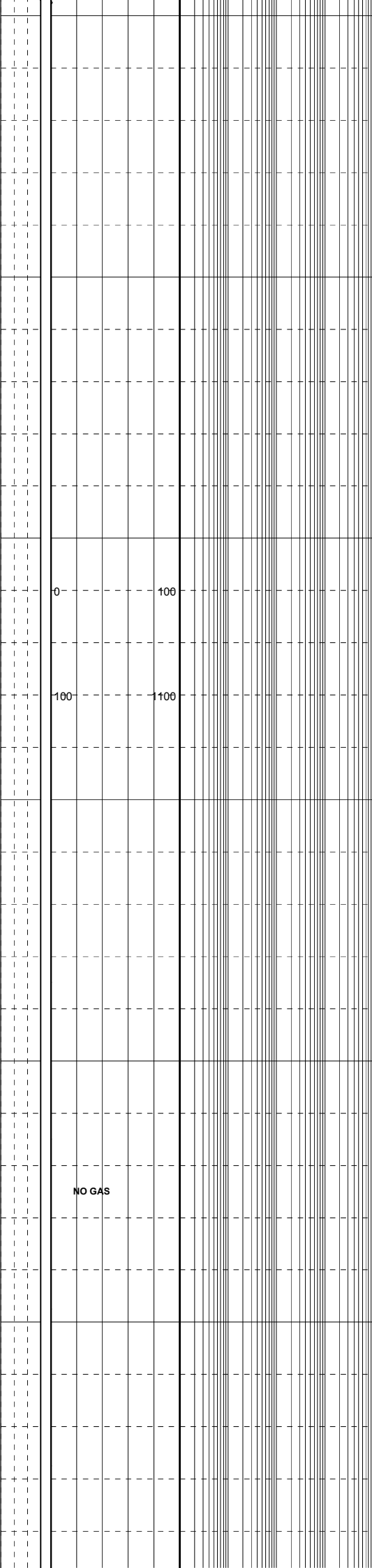
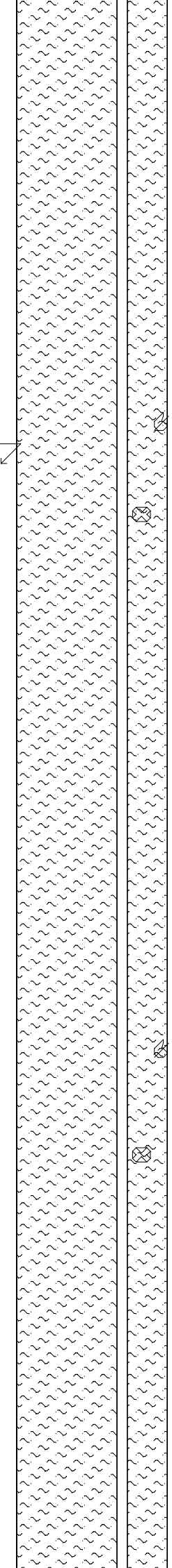
NO GAS

MARL:med dk gry,dk gmsh gry,occ med-lt
 gry,arg,occ shell frags,tr coral frags,
 v sft-sft, sbbiky-sbfiss

DATA LOST
 410m-466m

MW 1.09
FV 65
PV 10
YP 38
Gel 18/37/54
WL 1
pH 8.5
Ck -
Sol -4
Cl -2

430
440
450
460
470
480



0 100
100 100

MARL: med dk gry, dk grnsh gry, occ med-lt gry, arg, occ shell frags, tr coral frags, v sft-sft, sbblky-sbfiss

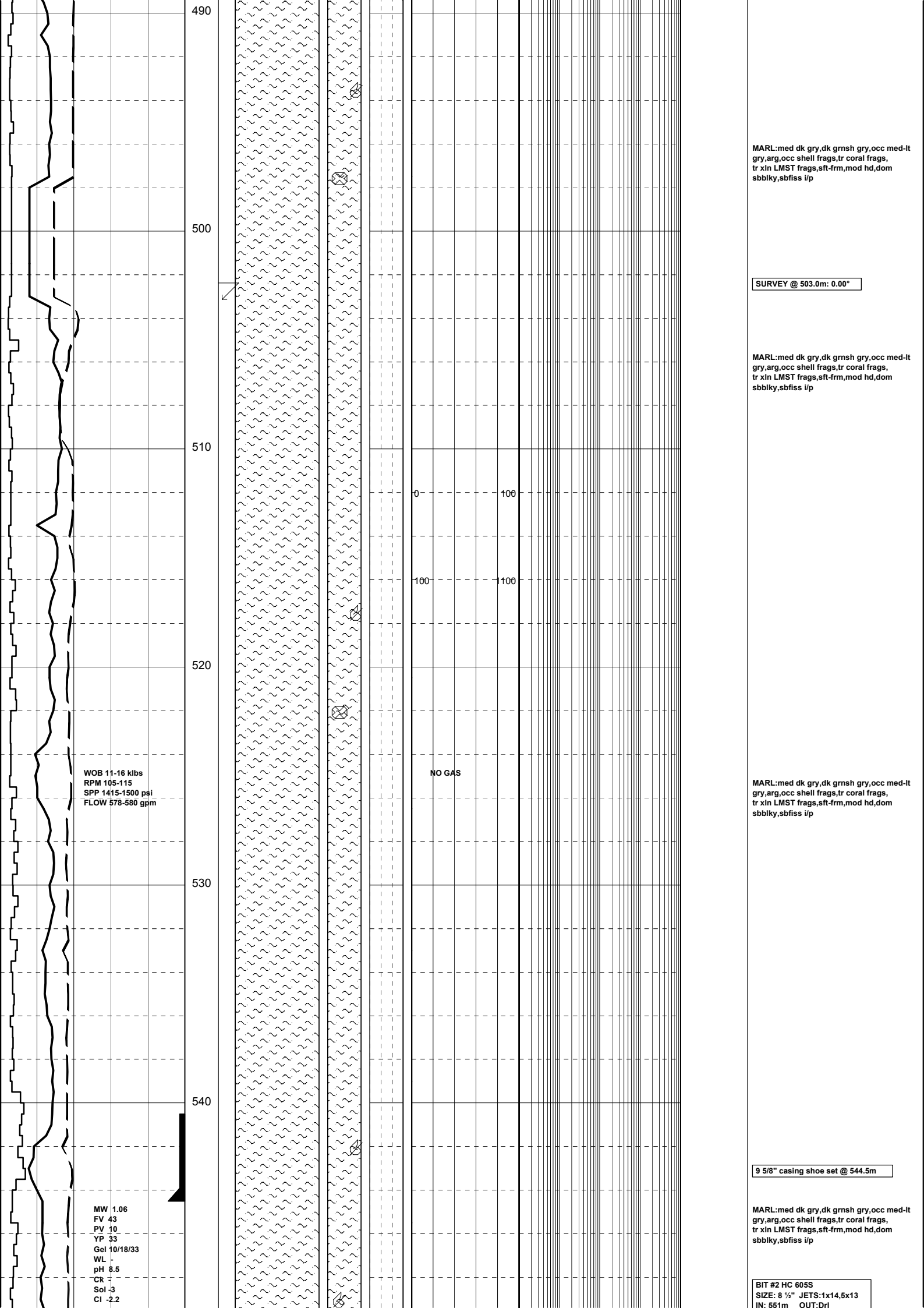
SURVEY @ 447.0m: 0.00°

MARL: med dk gry, dk grnsh gry, occ med-lt gry, arg, occ shell frags, tr coral frags, v sft-sft, sbblky-sbfiss

MARL: med dk gry, dk grnsh gry, occ med-lt gry, arg, occ shell frags, tr coral frags, v sft-sft, sbblky-sbfiss

WOB 10-14 klbs
RPM 117-125
SPP 620-1520 psi
FLOW 360-585 gpm

NO GAS



MARL: med dk gry, dk grnsh gry, occ med-ht gry, arg, occ shell frags, tr coral frags, tr xln LMST frags, sft frm, mod hd, dom sbbiky, sbfiss i/p

SURVEY @ 503.0m: 0.00°

MARL: med dk gry, dk grnsh gry, occ med-ht gry, arg, occ shell frags, tr coral frags, tr xln LMST frags, sft frm, mod hd, dom sbbiky, sbfiss i/p

0 100
100 100

NO GAS

MARL: med dk gry, dk grnsh gry, occ med-ht gry, arg, occ shell frags, tr coral frags, tr xln LMST frags, sft frm, mod hd, dom sbbiky, sbfiss i/p

9 5/8" casing shoe set @ 544.5m

MARL: med dk gry, dk grnsh gry, occ med-ht gry, arg, occ shell frags, tr coral frags, tr xln LMST frags, sft frm, mod hd, dom sbbiky, sbfiss i/p

BIT #2 HC 605S
SIZE: 8 1/2" JETS: 1x14, 5x13
IN: 551m OUT: Drl

WOB 11-16 klbs
RPM 105-115
SPP 1415-1500 psi
FLOW 578-580 gpm

MW 1.06
FV 43
PV 10
YP 33
Gel 10/18/33
WL -
pH 8.5
CR -
Sol -3
Cl -2.2

FIT @ 551m:
MWE:14.4 ppg

MARL: med-dk gry, lt olv gry, occ med-lt gry, arg, occ shell frags, tr coral frags, tr xln LMST frags, sft frm, mod hd, dom sbbkly, sbfiss i/p, tr SLTST.

SURVEY @ 575.0m: 0.00°

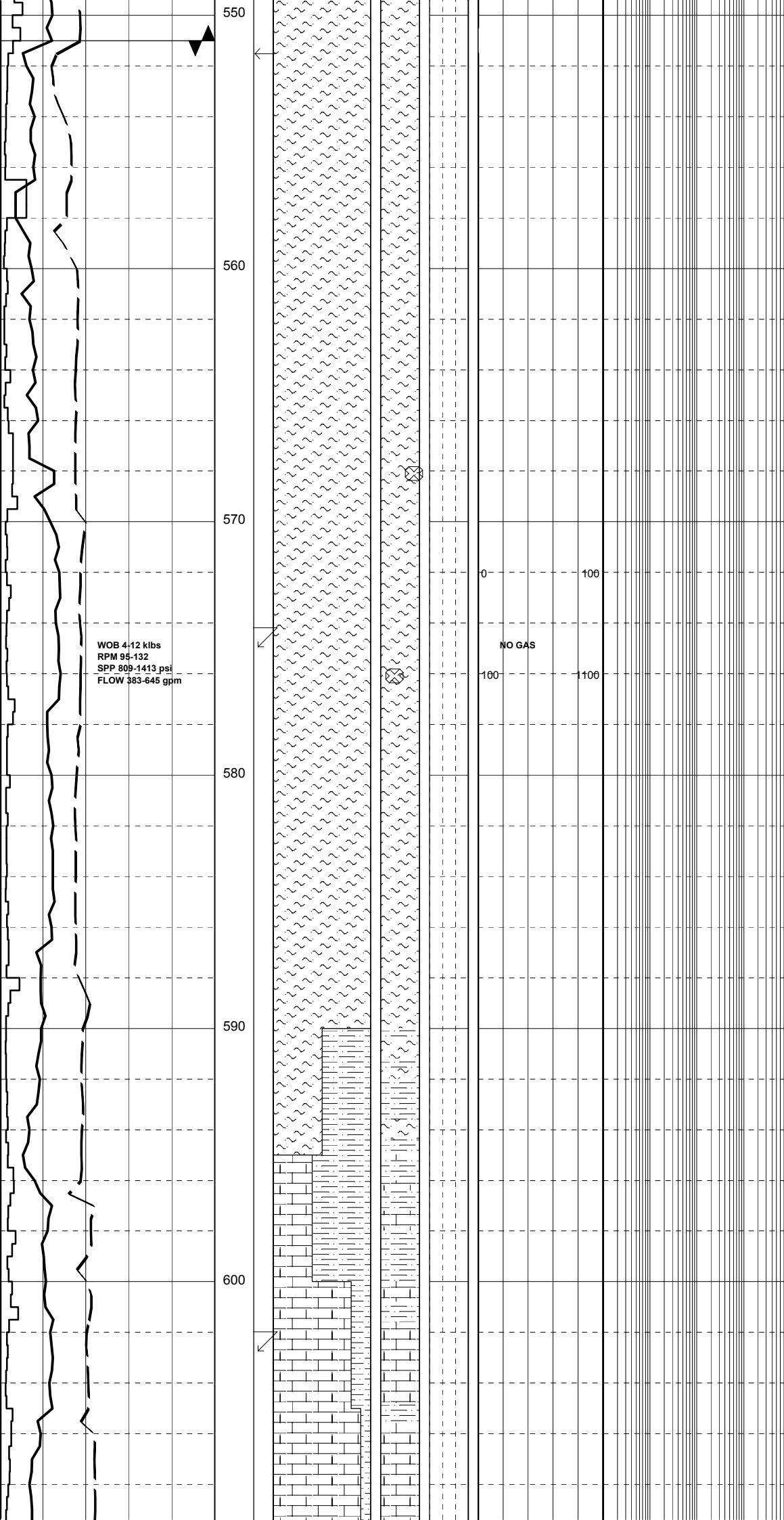
MARL: med-dk gry, lt olv gry, occ med-lt gry, arg, occ shell frags, tr coral frags, tr xln LMST frags, sft frm, mod hd, dom sbbkly, sbfiss i/p, tr SLTST.

SILTSTONE: pl-med gry, grysh gry, sli-med dk gry, tr aren, i/p v calc, sft frm, sbbkly-sbfiss, amorph.

LIMESTONE: orng, dk yelsh orng, grysh orng, off wh, micr, v calc, arg, tr foss, micr xln, frm-v hd, pred mod hd, sft i/p.

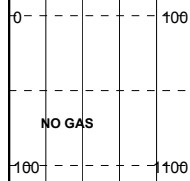
SURVEY @ 603.0m: 0.00°

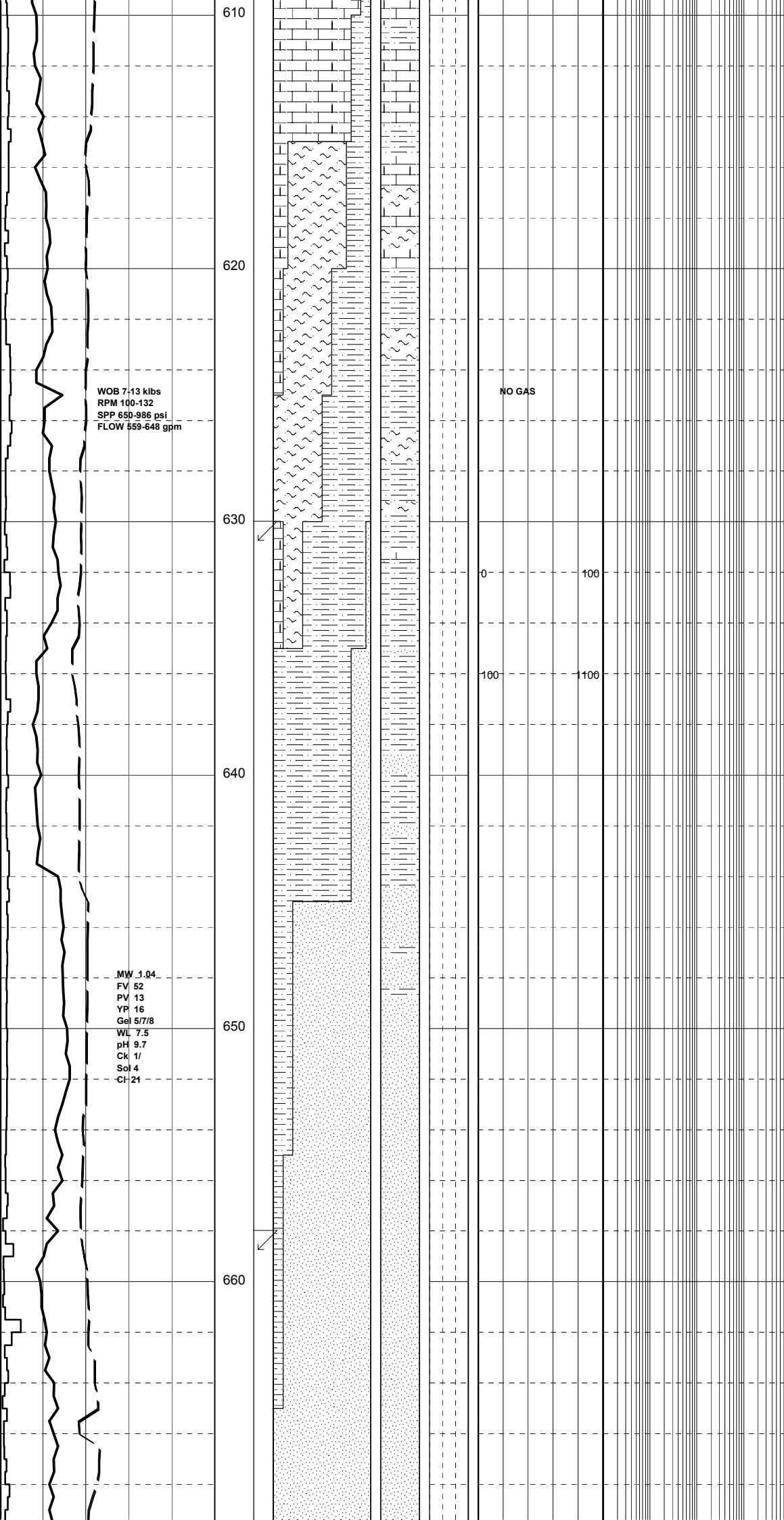
SILTSTONE: lt med gry, pl olv gry, arg, calc, disp-sft, frm i/p, bkly-amorph.



WOB 4-12 klbs
RPM 95-132
SPP 809-1413 psi
FLOW 383-645 gpm

NO GAS



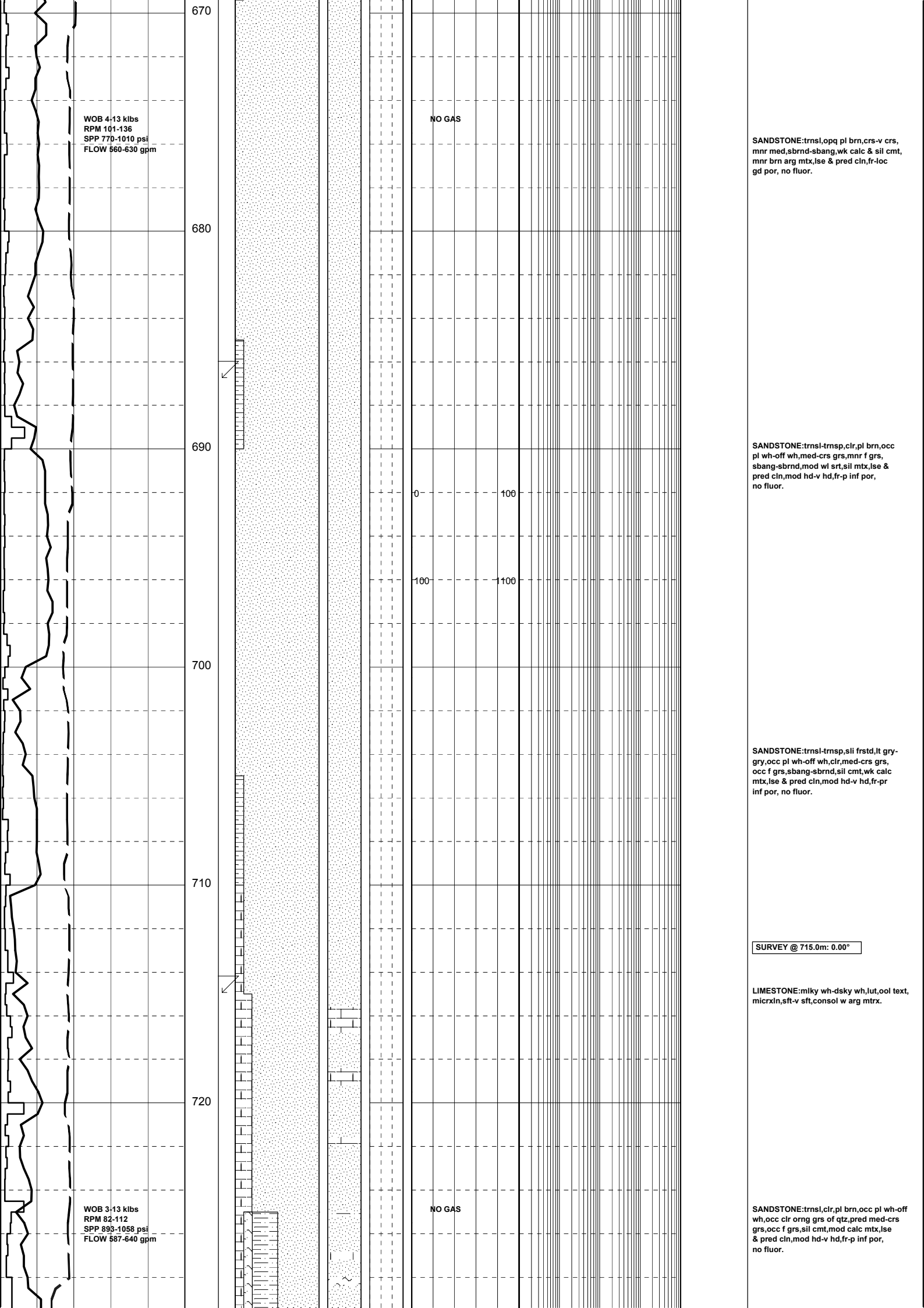


LIMESTONE: org, dk yelsh org, grysh org, arg, calc, disp-sft, sft-frn, frn-v hd, pred mod hd, sft i/p.

MARL: pl brn, grysh brn, sli pl olv, arg, calc, disp-sft, sft-frn, i/p, blkly-amorph.

SANDSTONE: trnsl, lt brn, grysh brn, frstd, rr mlky, med-crs i/p, com v crs, mnr f, mod wl srt, pred lse qtz grs, sbang-sbrnd, fr-gd por, no fluor.

SANDSTONE: trnsl, opq brn, sli frstd, com crs-v crs, mnr med, sbrnd-sbang, wk calc & sil cmt, mnr brn arg mtx, lse & pred cln, v crs i/p, fr-gd por, no fluor.



WOB 4-13 klbs
 RPM 101-136
 SPP 770-1010 psi
 FLOW 560-630 gpm

NO GAS

SANDSTONE:trnsi,opq pl brn,crs-v crs,
 mnr med,sbrnd-sbang,wk calc & sil cmt,
 mnr brn arg mtx,lse & pred cln,fr-loc
 gd por, no fluor.

SANDSTONE:trnsi-trnsp,clr,pl brn,occ
 pl wh-off wh,med-crs grs,mnr f grs,
 sbang-sbrnd,mod wl srt,sil mtx,lse &
 pred cln,mod hd-v hd,fr-p inf por,
 no fluor.

SANDSTONE:trnsi-trnsp,sil frstd,lt gry-
 gry,occ pl wh-off wh,clr,med-crs grs,
 occ f grs,sbang-sbrnd,sil cmt,wk calc
 mtx,lse & pred cln,mod hd-v hd,fr-pr
 inf por, no fluor.

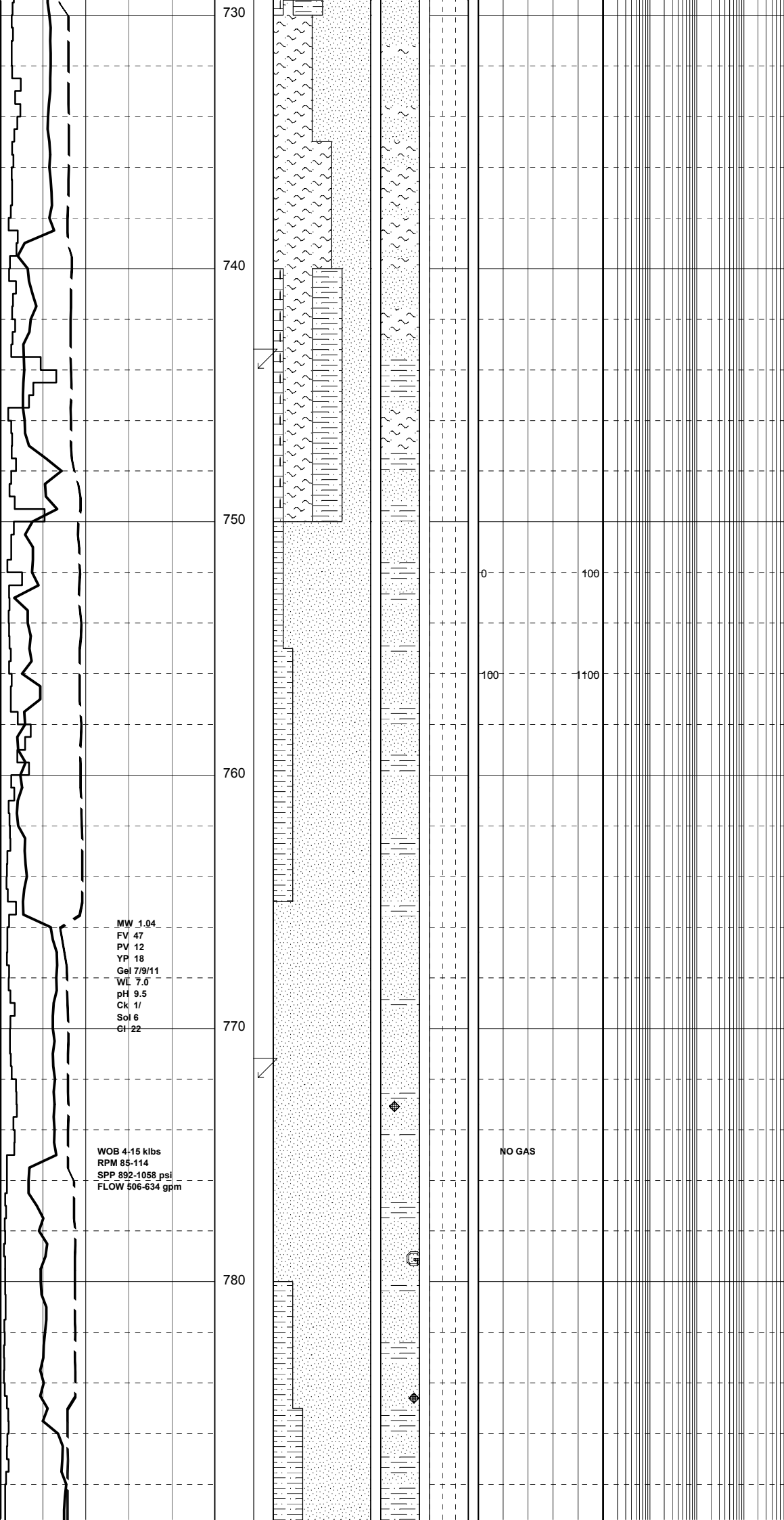
SURVEY @ 715.0m: 0.00°

LIMESTONE:mlky wh-dsky wh,lut,ool text,
 micrxln,sft-v sft,consol w arg mtr.

WOB 3-13 klbs
 RPM 82-112
 SPP 893-1058 psi
 FLOW 587-640 gpm

NO GAS

SANDSTONE:trnsi,clr,pl brn,occ pl wh-off
 wh,occ clr org grs of qtz,pred med-crs
 grs,occ f grs,sil cmt,mod calc mtx,lse
 & pred cln,mod hd-v hd,fr-p inf por,
 no fluor.



MW 1.04
 FV 47
 PV 12
 YP 18
 Gel 7/9/11
 WL 7.0
 pH 9.5
 Ck 1/
 Sol 6
 Ct 22

WOB 4-15 klbs
 RPM 85-114
 SPP 892-1058 psi
 FLOW 506-634 gpm

SANDSTONE:trnsi-clr,pl brn,occ wh-off wh,occ cln org grs of qtz,pred med-crs,occ f,sil smt,mod calc cmt, tr arg mtx,gen lse & cln,mod hd-v hd,fr inf por,no fluor.

SURVEY @ 744.0m: 0.00°

SANDSTONE:trnsi-clr,opq-mod brn, dom med-crs,occ f,mod sil cmt,loc strg calc cmt, tr arg mtx,dom cln & lse,occ qtz grs w Fe stn,fr inf por, no fluor.

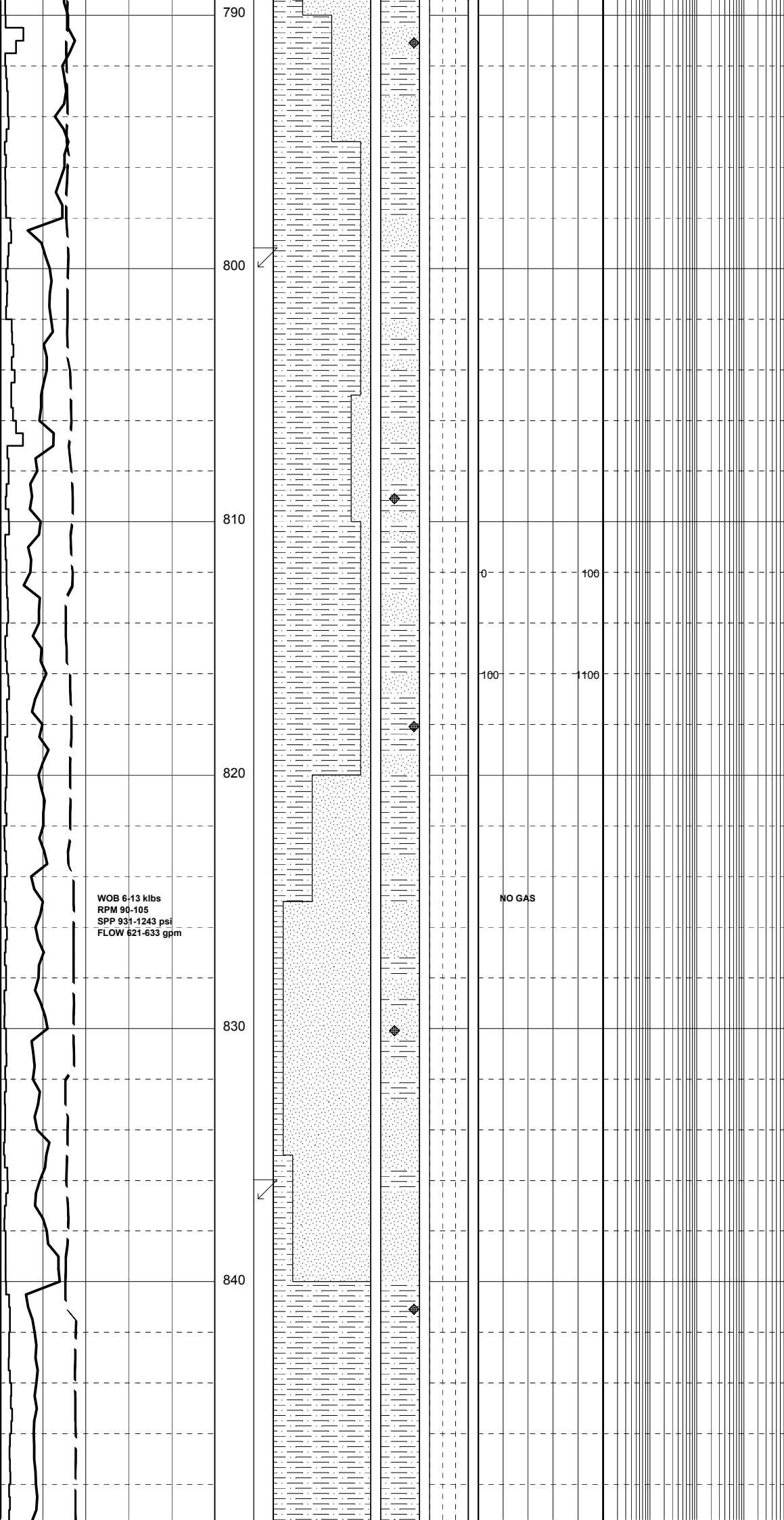
SANDSTONE:trnsi-clr,opq-mod brn, pred med-crs,occ v crs, tr f,sbrnd-rnd,rr ang, tr wk sil cmt,com loc calc cmt, tr off wh-wh arg mtx, tr calc mat,dissem pyr,fr-loc gd inf por,no fluor.

SURVEY @ 772.0m: 0.00°

NO GAS

SANDSTONE:trnsi-clr,opq-pl yelsh brn,occ mlky,dk brn grs,dom crs-v crs,com med,occ f,v pr srt,rnd-sbrnd, occ sbang,com sil cmt,occ loc v strg calc cmt,rr v strg pyr cmt, tr pl gry arg mtx,com dissem pyr, tr glauc,dom lse & cln,rr hd-v hd aggs,nil vis por, fr inf por,no fluor.

SILTSTONE:dk grysh brn-grysh blk, occ pl yelsh brn,dom arg, tr calc,mnr dissem pyr, tr grn & blk liths,sft-disp,sbbky-amorph.



SILTSTONE:dk grysh brn-grysh blk,
occ pl yelsh brn,dm arg,tr calc,mnr
dissem pyr,tr grn & blk liths,sft-
disp,sbbkly-amorph.

SURVEY @ 800.0m: 0.00°

SILTSTONE:dk grysh brn,grysh blk
i/p,occ pl gry-grn,arg,tr calc,occ
nod & dissem pyr,grn liths,sft-disp,
pred sbbkly,amorph i/p.

SANDSTONE:trnsi-clr,opq,f-occ med,
mod wl srt,sbang-sbrnd,occ rnd,wk
sil cmt,dk brn arg mtx,com lse,fr-
mod hd i/p,pr vis & inf por,no fluor.

SILTSTONE:dk grysh brn,dk brn i/p,
arg,com nod pyr & dissem pyr,tr pyr
cmt,tr carb spks & flks,sft-disp,frm
i/p,sbbkly.

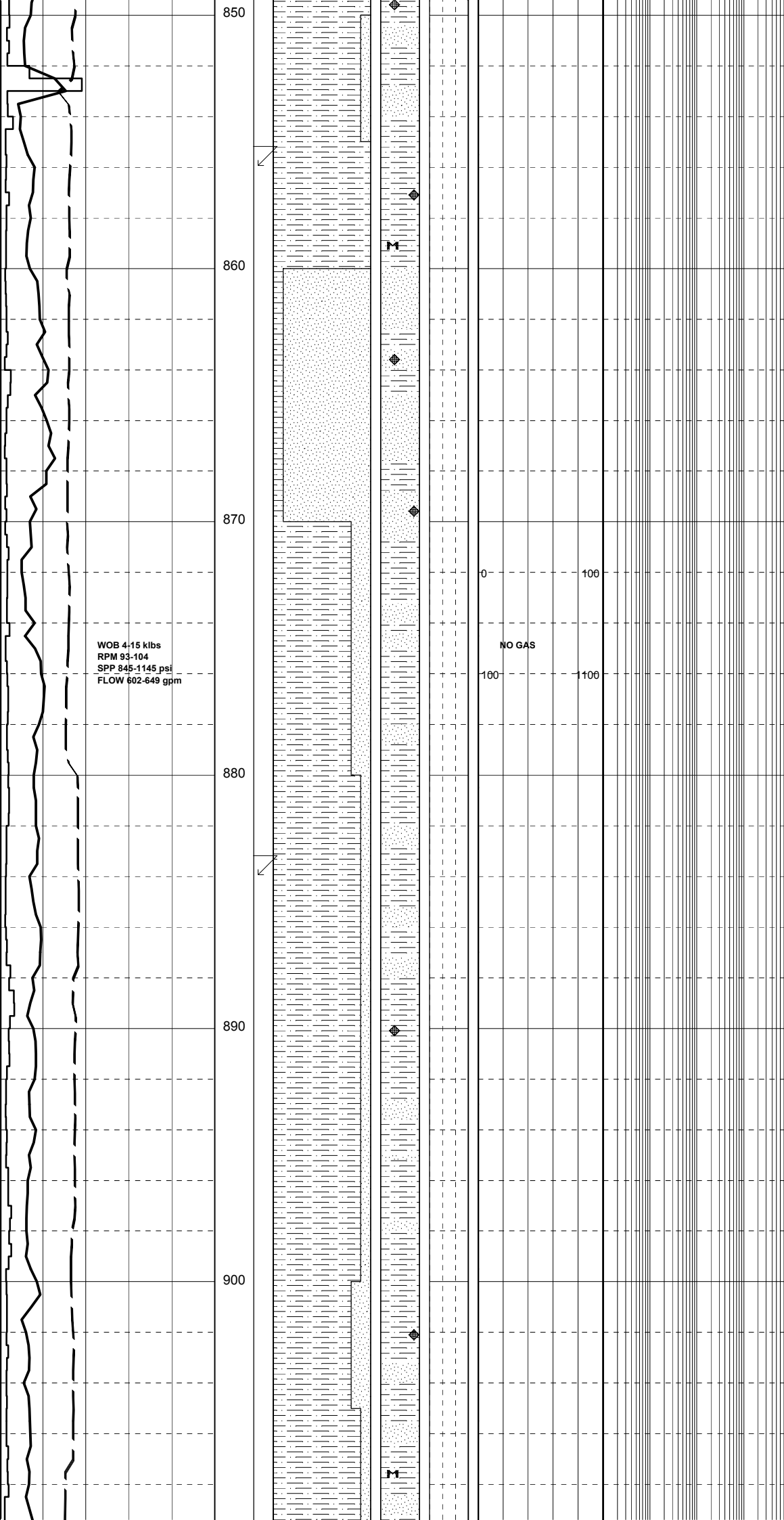
SANDSTONE:trnsi-clr,mky-opq,dm
med-crs,rr v crs & f,pr srt,sbang-
sbrnd,wk sil cmt,tr pl brn-off wh
arg mtx,dm cln & lse,fr-gd inf
por,no fluor.

SILTSTONE:med-dk brnsh gry,dk brn
i/p,arg,tr loc aren,mnr dissem pyr,
tr micmic,sft-disp,sbbkly-amorph.

SANDSTONE:trnsi-clr,opq-frstd,rr
mky,tr v pl brn,f-med,com crs-v crs,
pr srt,sbang-sbrnd,wk sil cmt,tr brn
arg mtx,gen cln & lse,tr nod pyr,mic,
mnr ang frac qtz grs,fr inf por,no
fluor.

SURVEY @ 837.0m: 0.00°

SILTSTONE:mod grysh brn,dsky brn
i/p,arg,tr micmic,dissem pyr,v sft-
dom disp,dm amorph,sbbkly i/p.



SILTSTONE:mod brn-grysh brn,arg,grd to CLYST i/p,loc calc,com dissem pyr,v sft-disp,pred amorph-sbbkly.

SURVEY @ 856.0m: 0.00°

SANDSTONE:trnsi-clr,opq,med crs,occ f,rr v crs,mod srt,sbang-sbrnd,wk sil cmt,no vis mtx,rr nod pyr,tr org liths,gen cln & lse,fr-gd inf por,no fluor.

SILTSTONE:mod brn,grysh brn,dsky brn i/p,arg,grd to CLYST,tr micmic,blk lith spks,disp,v sft i/p,dom amorph,sbbkly i/p.

SURVEY @ 884.0m: 0.00°

SILTSTONE:mod brn,grysh brn,dsky brn i/p,occ pl yelsh brn,arg,grd to CLYST,tr micmic,blk lith spks,disp,v sft i/p,dom amorph,sbbkly i/p.

SANDSTONE:trnsi-clr,pl gry i/p,dom f-med,tr crs,mod srt,sbang-sbrnd,wk-mod loc calc cmt,tr sil cmt,no vis mtx,rr nod pyr,crm & blk liths,rr org liths,dom lse & cln,rr fri aggs,pr vis & inf por,no fluor.

SILTSTONE:grysh brn-dsky brn,dk yelsh brn,com mic fiks,rr dissem pyr,v sft-disp,amorph,rr sbbkly.

SURVEY @ 912.0m: 0.00°

SANDSTONE:trnsi-clr,opq-frstd,rr
v pl brn,dom med-crs,occ f & v crs,
pr srt,sbang-sbrnd,wk sil cmt,mnr-
loc v strg pyr cmt,no vis mtx,dom
lse & cln,occ nod pyr,rr mic flks,
tr org & crm liths,fr-gd inf por,
no fluor.

SILTSTONE:grysh brn,pl-dk yelsh,
arg,com dissem pyr,sft-disp,frm i/p,
sbbky-amorph.

SANDSTONE:trnsi-clr,frstd-opq,v
pl yel,med-crs,occ v crs,rr f,pr srt
sbang-sbrnd,wk sil cmt,loc strg pyr
cmt,tr pl brn arg mtx,com nod pyr,
tr org liths,gen cln & lse,fr-gd
inf por,no fluor.

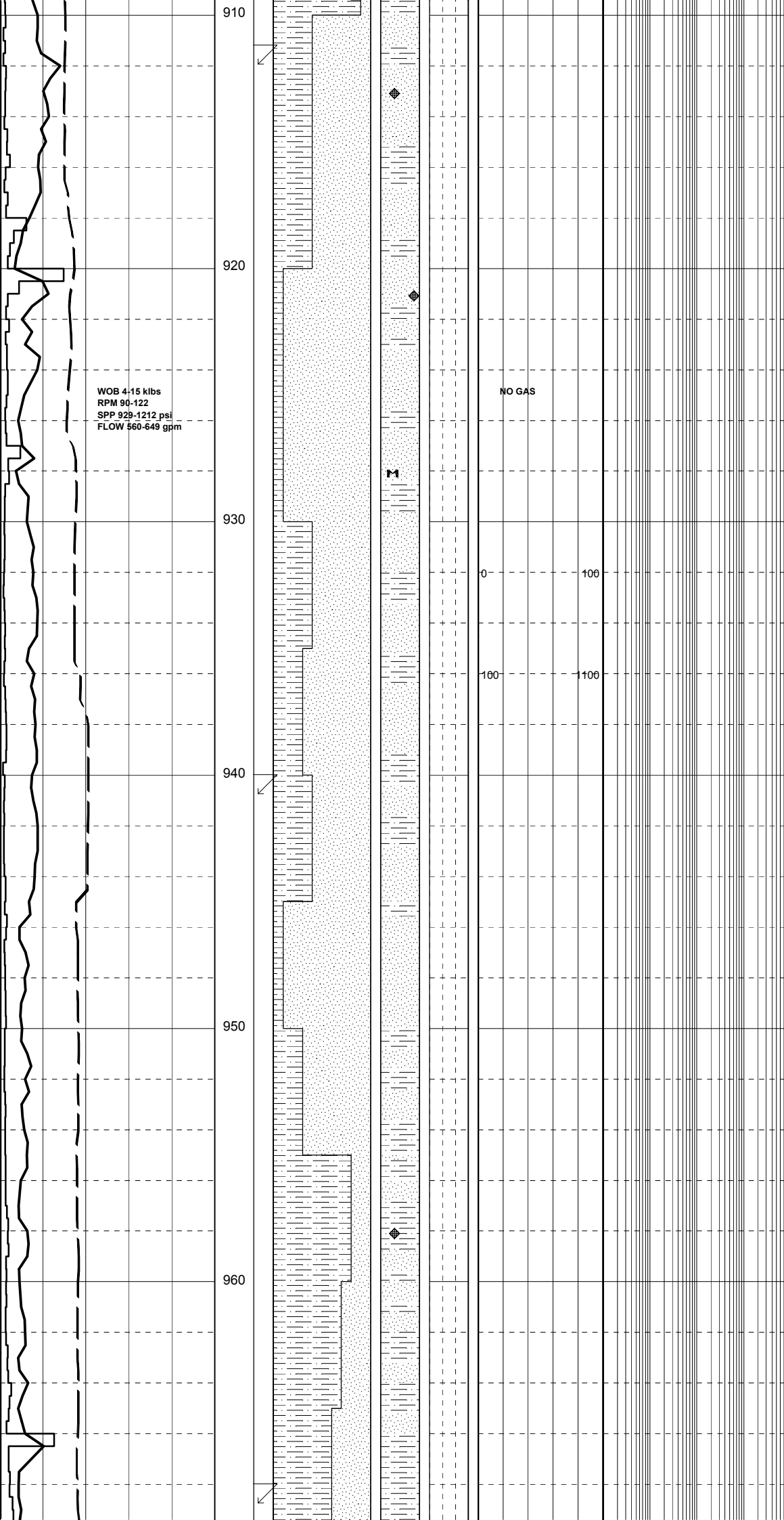
SURVEY @ 941.0m: 0.00°

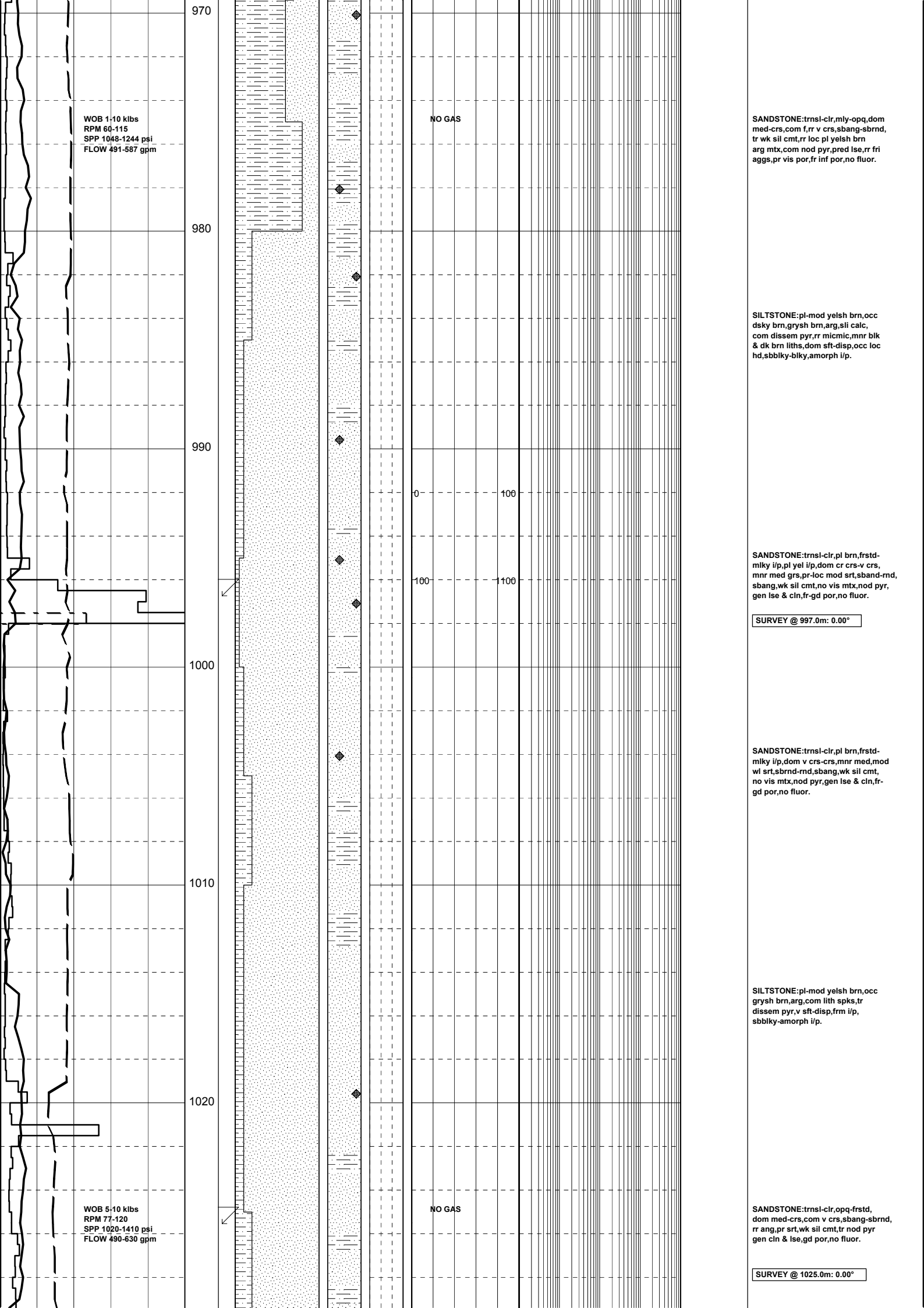
SILTSTONE:grysh brn,pl-dk yelsh,
arg,com dissem pyr,sft-disp,frm i/p,
sbbky-amorph.

SILTSTONE:mod brn-grydh brn,dsky
brn i/p,arg,grd to CLYST i/p,com
dissem pyr,micmic,disp,rr v sft-sft,
pred amorph,mnr sbbky.

SANDSTONE:trnsi-clr,frstd-opq,v
pl yel,med-crs,occ v crs,rr f,pr srt
sbang-sbrnd,wk sil cmt,loc strg pyr
cmt,tr pl brn arg mtx,com nod pyr,
tr org liths,gen cln & lse,fr-gd
inf por,no fluor.

SURVEY @ 969.0m: 0.00°





MW 1.06
FV 58
PV 16
YP 22
Gel 7/10/12
WL 6.5
pH 9.0
Ck 1/
Sol 6
Cl- 22

WOB 4-10 klbs
RPM 84-112
SPP 1020-1420 psi
FLOW 520-630 gpm

NO GAS

SILTSTONE:pl-dk yelsh brn,brnsh
gry,arg,com nod & dissemin pyr,tr blk
micolams,pred sft-disp,loc frm-mod
hd,sbbiky-blk,amorph i/p.

CARBIDE LAG CHECK @ 1037m
THEOR. STKS: 3213
ACTUAL STKS: 3428
HOLE IS 6.0% O.G

TOTCO SURVEY @ 1044m: 0.00°

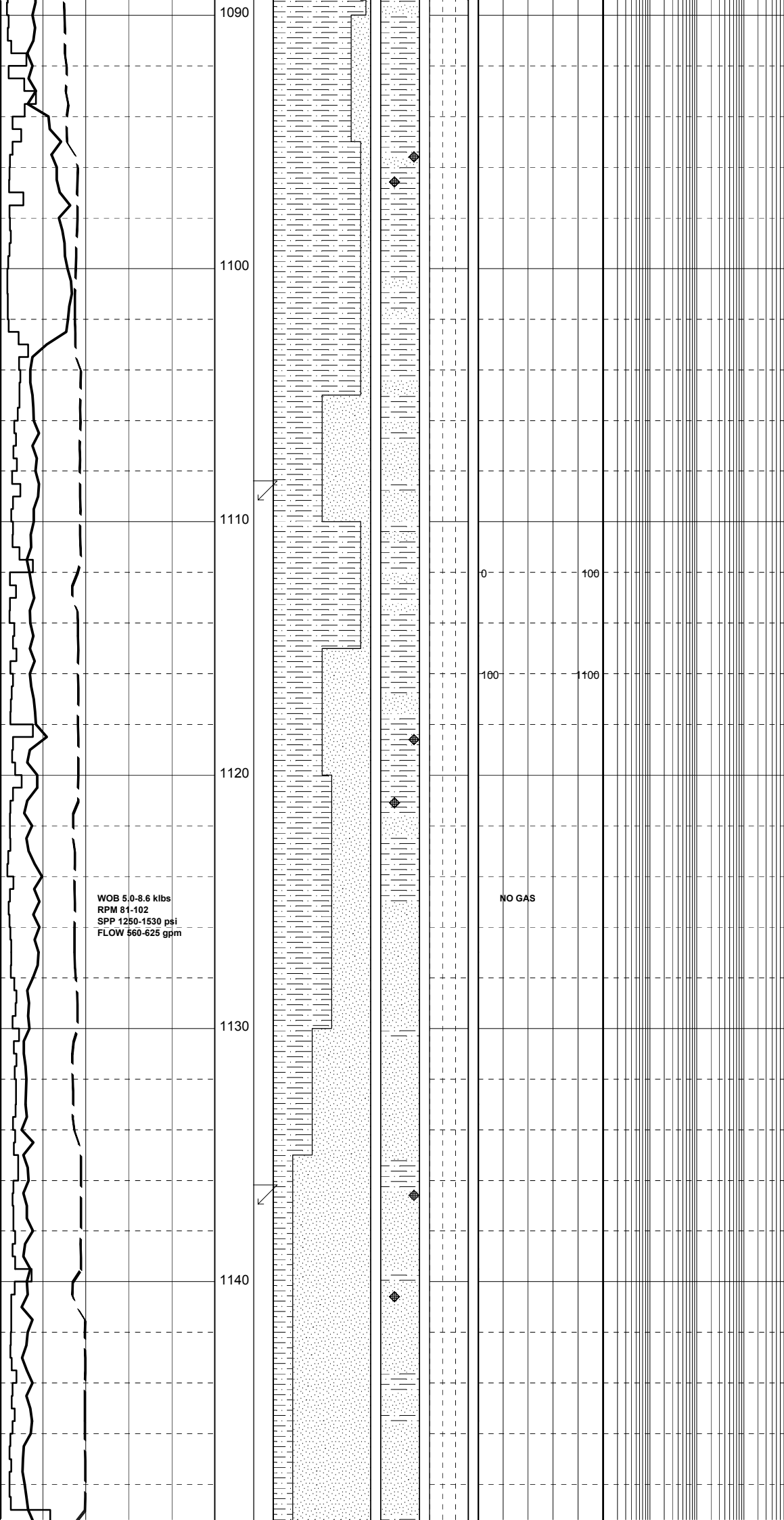
SILTSTONE:pl brnsh gry-med gry,grnsh gry,
arg,com dissemin pyr,disp-sft,pred
sbbiky-sbfiss,rr blk,grd to CLYST,
amorph

SURVEY @ 1053m: 0.00°

SILTSTONE:pl brnsh gry-lt olv gry,grnsh
gry,arg,com dissemin pyr,disp-sft,pred
sbbiky-blky,rr sbfiss,grd to CLYST,
amorph

SURVEY @ 1081m: 0.00°

SANDSTONE:trnsi-trnsp,frstd,dom med grs,
i/p f grs,mod wl srt,sbang-sbrnd,strg
sil cmt,no vis mtx,mod hd-v hd,pred lse
& cln grs,fr inf por,no fluor.



SANDSTONE:trnsi-trnsp,rr opq,occ pl yel-
lt orng,dom med grs,rr f grs,mod wl srt,
pred sbrnd,stg sil cmt,no vis mtb,tr pyr,
lse & cin grs,mod hd-v hd,fr inf por,no
fluor.

SURVEY @ 1109m: 0.00°

SILTSTONE:med gry-dk gry,lt olv gry,
aren,tr pyr,dom mod hd-hd,rr sft,pred
sbbky,rr sbfiss,grd to CLYST.

SANDSTONE:pl yel,trnsi,yelsh brn,sl
frstd,cir,med-v crs,mnr f,pred crs grs,
mod wl srt,sbang-sbrnd,mnr sil cmt,tr
mnr brn & wh arg mtb,lse,no fluor.

SURVEY @ 1137m: 0.00°

WOB 5.0-8.6 klbs
RPM 81-102
SPP 1250-1530 psi
FLOW 560-625 gpm

NO GAS

1090

1100

1110

1120

1130

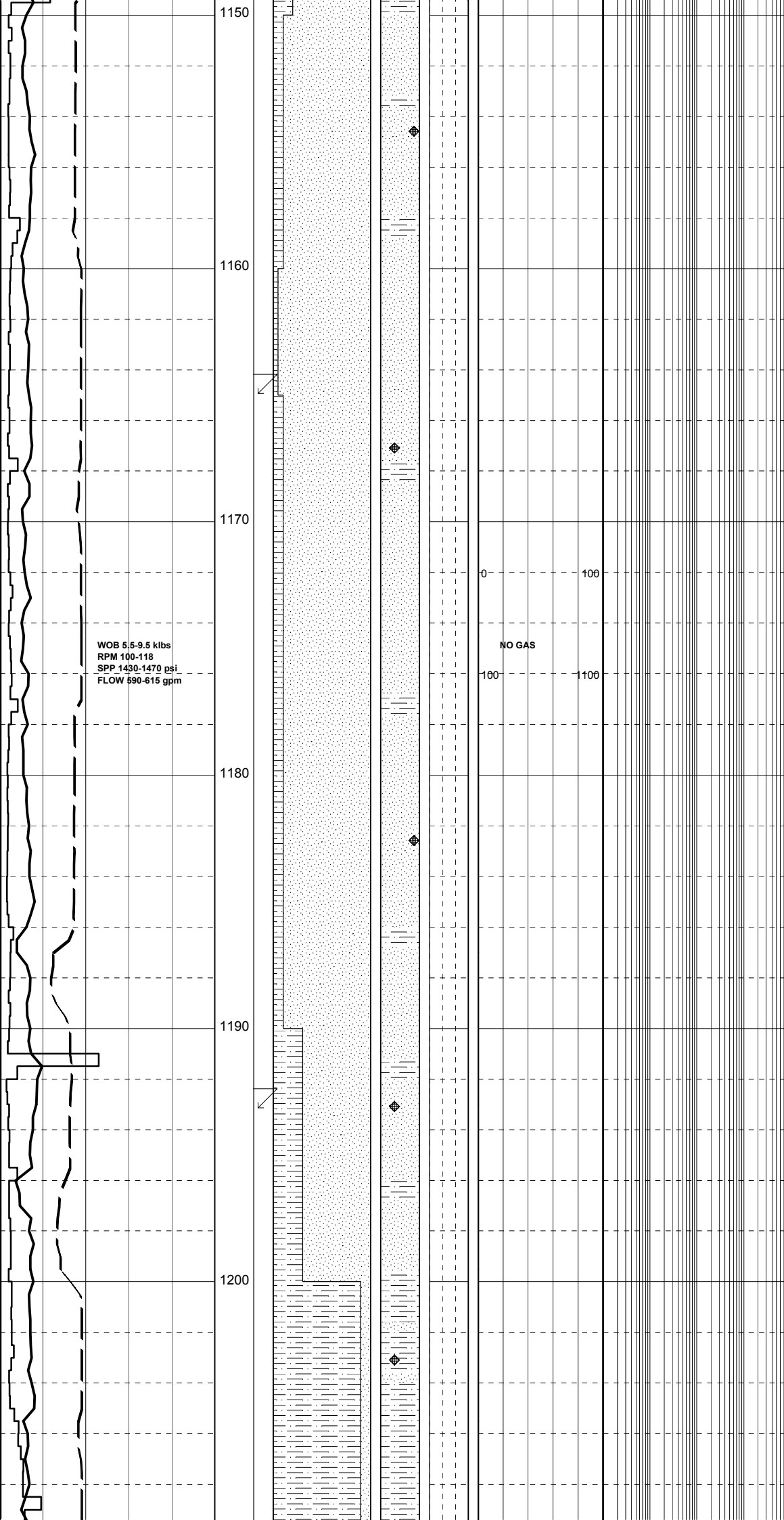
1140

0

100

100

100



SANDSTONE:pl yelsh gry,grysh yel,trnsl, med-crs grs,f grs i/p,mod wl srt,mod strg sil cmt,no vis mtx,mnr pyr,pred lse grs, fr inf por,no fluor.

SURVEY @ 1165m: 0.00°

SANDSTONE:pl yelsh gry-lt yelsh gry, trnsl,pred med-f grs,crs grs i/p,mod wl srt,wk sil cmt,no vis mtx,tr pyr, lse & cln grs,mod hd-hd,fr-gd inf por, no fluor.

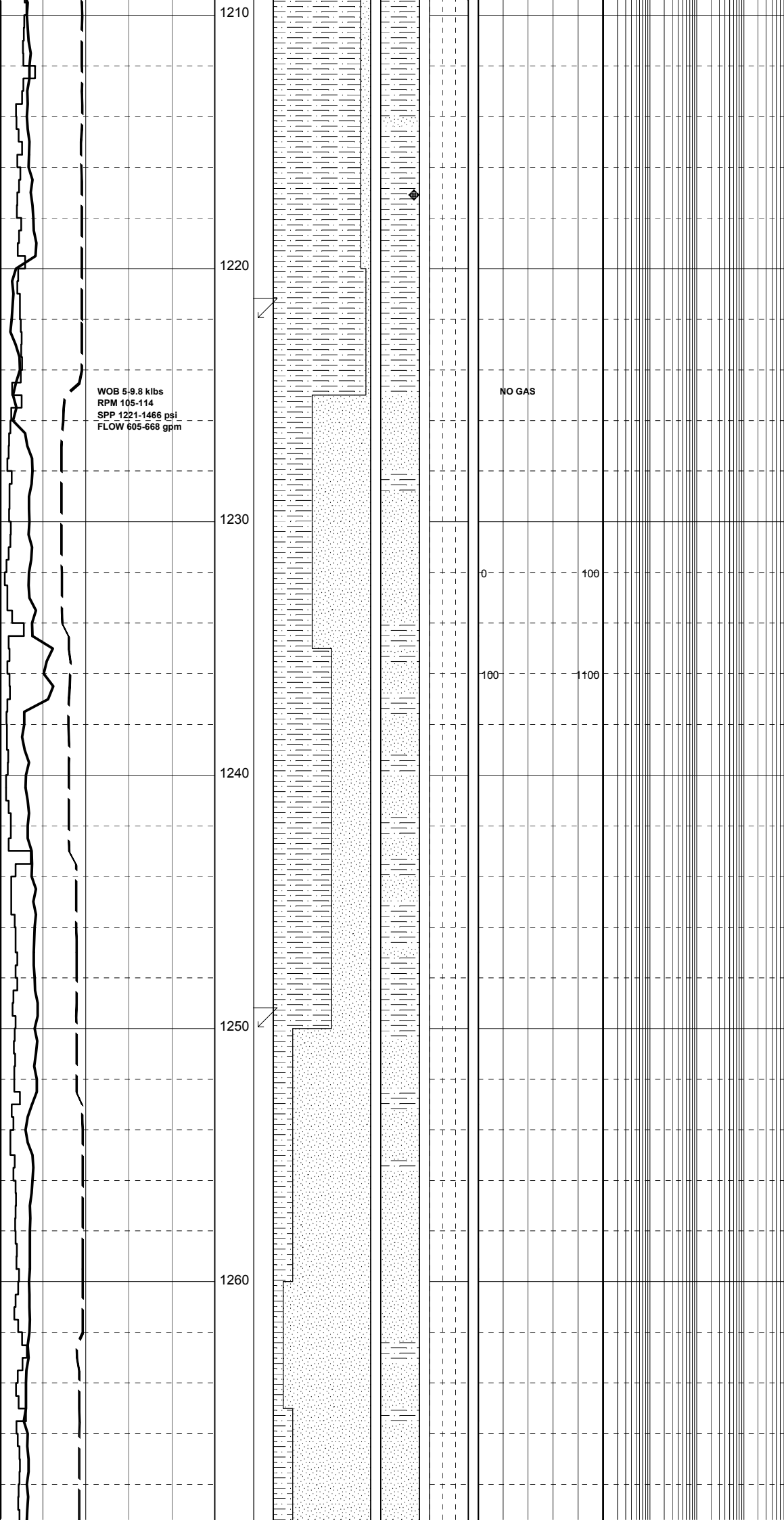
NO GAS

SILTSTONE:med gry-dk gry,brnsh gry,rr grnsh gry,arg,tr pyr,sft-disp,sbbiky, sbfiss i/p

SURVEY @ 1193m: 0.00°

SILTSTONE:med grnsh gry-dk grnsh gry, olv gry,brnsh blk,arg,mnr pyr,pred sft-disp,rr frm-mod hd,tr sbbiky,amorph

WOB 5.5-9.5 klbs
RPM 100-118
SPP 1430-1470 psi
FLOW 590-615 gpm



SILTSTONE: med grnsh gry-dk grnsh gry, olv gry, brnsh blk, arg, mnr pyr, pred sft-disp, rr frm-mod hd, sbbkly, amorph

SURVEY @ 1222m: 0.00°

NO GAS

SILTSTONE: med grnsg gry-dk grnsh gry, olv gry, brnsh blk, arg, mnr pyr, pred sft-disp, rr frm-mod hd, sbbkly-blky, amorph.

SURVEY @ 1250m: 0.00°

SANDSTONE: clr-trnsl, frstd, pl gry, tr yelsh gry, vf-med, mnr crs, dom f grs, mod wl-loc wl srt, sbang-sbrnd, tr ang, v crs frac grs, tr wk calc & sil cmt, tr grysh brn arg mtz, com muscovite fiks, lse & pred cln, fr por, no fluor.

SILTSTONE: lt-med gry, sli brnsh gry, arg, aren, grd to vf SST i/p, com micmic, sft-mnr frm, com disp-sft, blkly-sbbkly, tr sbfiss i/p, com amorph.

SANDSTONE: trnsl-trnsp, clr, mnr yelsh gry, pred-med-f ars crs ars i/p, mod

wl srt, strg sil cmt, no vis mtx, tr carb spks, tr pyr nuds, lse, mod hd-hd aggs, fr inf and pr vis por, no fluor.

SURVEY @ 1278m: 0.00°

SANDSTONE: trnsi, frstd, mnr cln, sli yelsh gry, vf-v crs, dom med-crs, mod wl srt, sbang-sbrnd, wk sil cmt, rr off wh mtrx, tr blk & pnksh liths, lse & cln, fr por, no fluor.

SILTSTONE: lt-occ dk gry, aren, arg i/p, sft-frn, blk-y-sbbkly, amorph.

SANDSTONE: cir-tmsl, pl gry, pl yel, f-v crs, pred med-crs, mod wl srt, sbang-sbrnd, wk sil cmt, no vis mtx, nod pyr, lse & cln, fr-gd por, no fluor.

CARBIDE LAG CHECK @ 1300m
THEOR. STKS: 3977
ACTUAL STKS: 4200
HOLE IS 5.6% O.G

SANDSTONE: trnsi-cln, tr pl yelsh brn, dom med-f, crs i/p, mod wl srt, wk sil cmt, no vis mtx, wk sil cmt, tr pyr, rr carb spks, lse & cln grs, hd-v hd, fr inf por, no fluor.

SILTSTONE: dk gry, grysh blk, occ med-dk gry, arg, sli calc, occ micmic, mnr dissep pyr, tr carb spks, dom sft-v sft, occ frm-mod hd, sbbkly-blky.

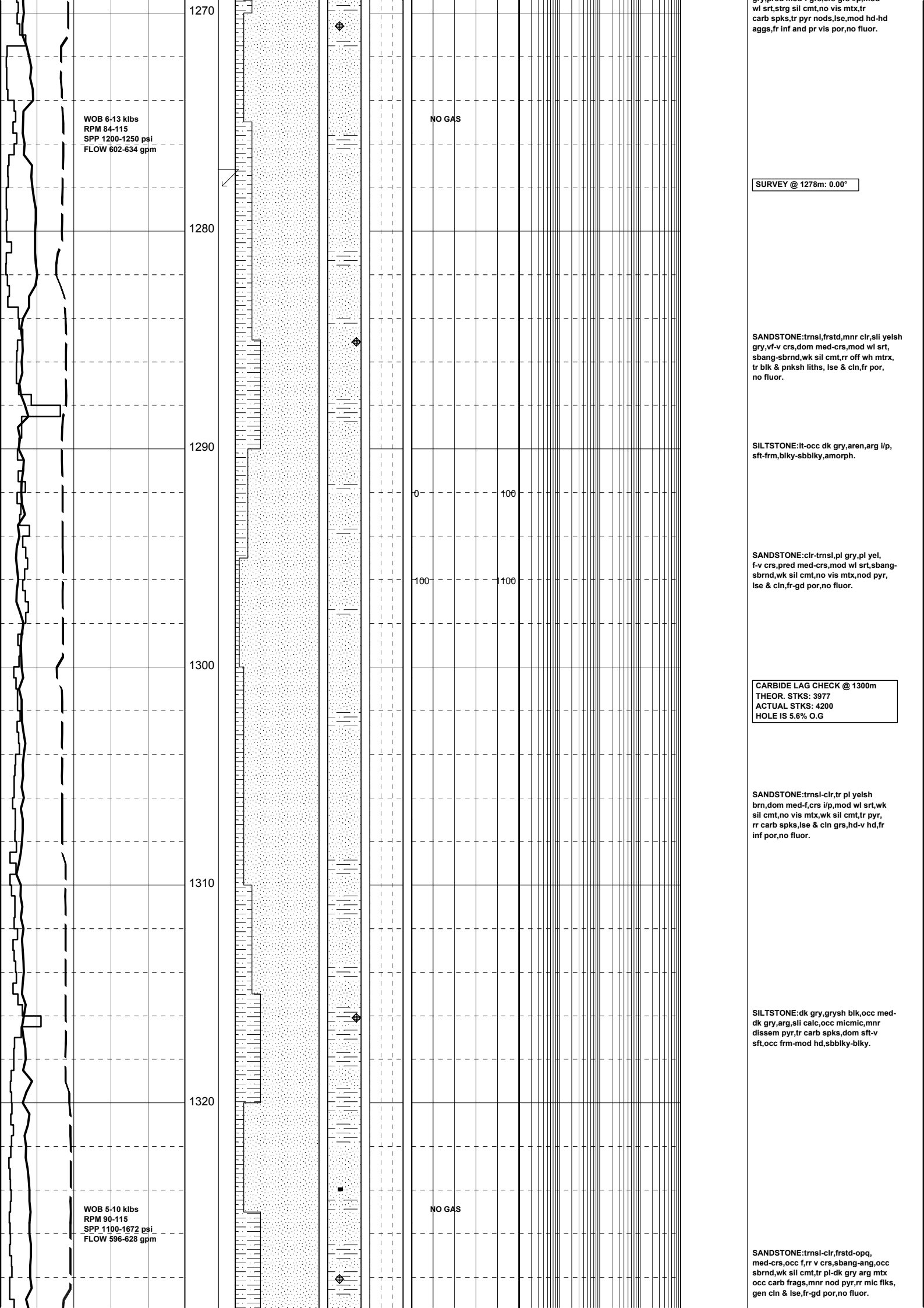
SANDSTONE: trnsi-cln, frstd-opq, med-crs, occ f, rr v crs, sbang-ang, occ sbrnd, wk sil cmt, tr pl-dk gry arg mtz occ carb frags, mnr nod pyr, rr mic flks, gen cln & lse, fr-gd por, no fluor.

WOB 6-13 klbs
RPM 84-115
SPP 1200-1250 psi
FLOW 602-634 gpm

NO GAS

WOB 5-10 klbs
RPM 90-115
SPP 1100-1672 psi
FLOW 596-628 gpm

NO GAS



MW 1.07
FV 52
PV 15
YP 28
Gel 6/8/9
WL 5.8
pH 8.7
CK 1/
Sol 7
Cl 21

SURVEY @ 1334m: 0.00°

SILTSTONE: med-dk gry, dk gry, mnr grysh blk, dom arg, com loc aren, occ carb spks, mnr dissem pyr, v sft-sft, sbbky-blky.

1330
1340
1350
1360
1370
1380

0 100
100 100

SILTSTONE: med gry, med-dk gry, arg, aren i/p, occ micmic, tr carb spks, tr glauc, v sft-disp, amorph-sbbky.

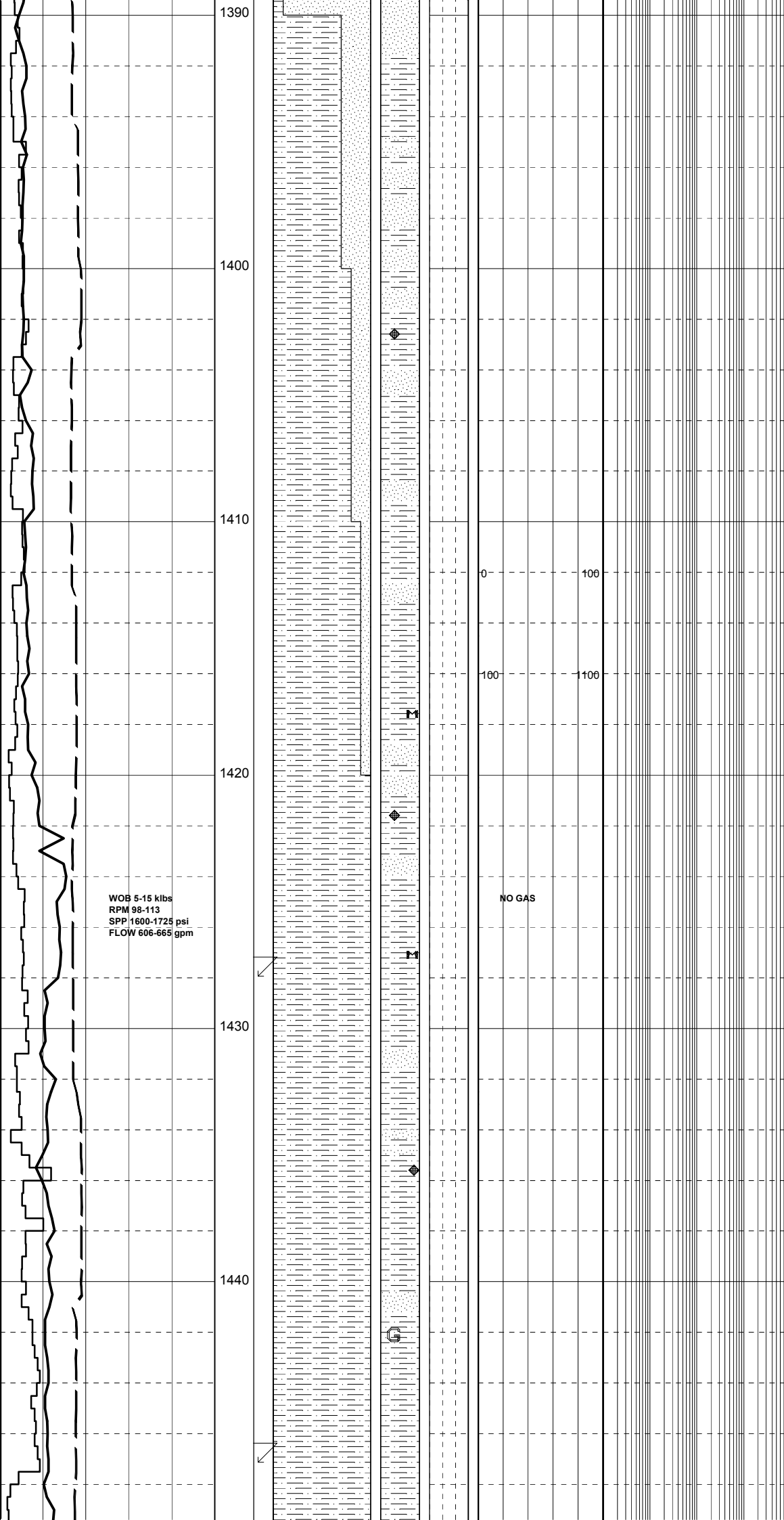
SILTSTONE: med gry, med-dk gry, arg, aren i/p, occ micmic, tr carb spks, tr glauc, v sft-disp, amorph-sbbky.

WOB 5-9 klbs
RPM 97-112
SPP 1517-1685 psi
FLOW 599-679 gpm

NO GAS

SURVEY @ 1381m: 0.50°

SANDSTONE: trnsi-clr, frstd, opq-mlky, i/p, med-crs, com v crs, occ f, sbang-sbrnd, occ ang, mod srt, tr sil cmt, tr nod pyr, carb frags cin & lse, gd inf por, no fluor.

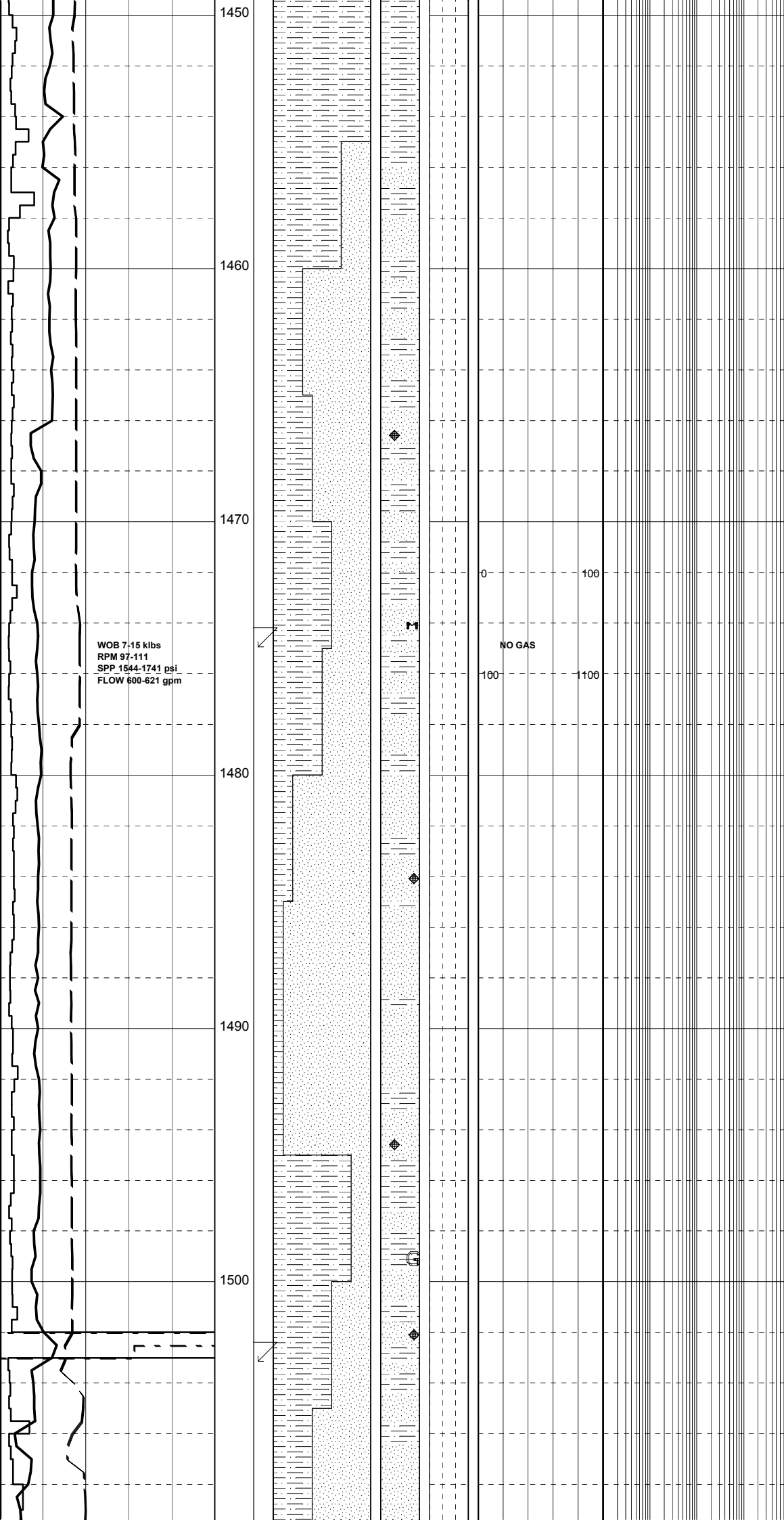


SILTSTONE: med-dk gry, med gry, grysh
brn, arg, mnr-com carb spks, occ dissem
pyr, tr glauc, sft, disp i/p, sbbiky-amorph

SILTSTONE: med-dk gry, grysh brn,
arg, mnr-com carb spks, occ dissem pyr,
tr glauc, sft, disp i/p, r frm, sbbiky-
biky, com amorph.

SILTSTONE: med-dk gry, brnsh gry,
arg, aren i/p, com nod & dissem pyr,
occ glauc, carb spks, sft-frm, occ disp
sbbiky-biky, amorph.

SILTSTONE: med-dk gry, brnsh gry,
arg, aren i/p, com nod & dissem pyr,
occ glauc, carb spks, sft-frm, occ disp
sbbiky-biky, amorph.



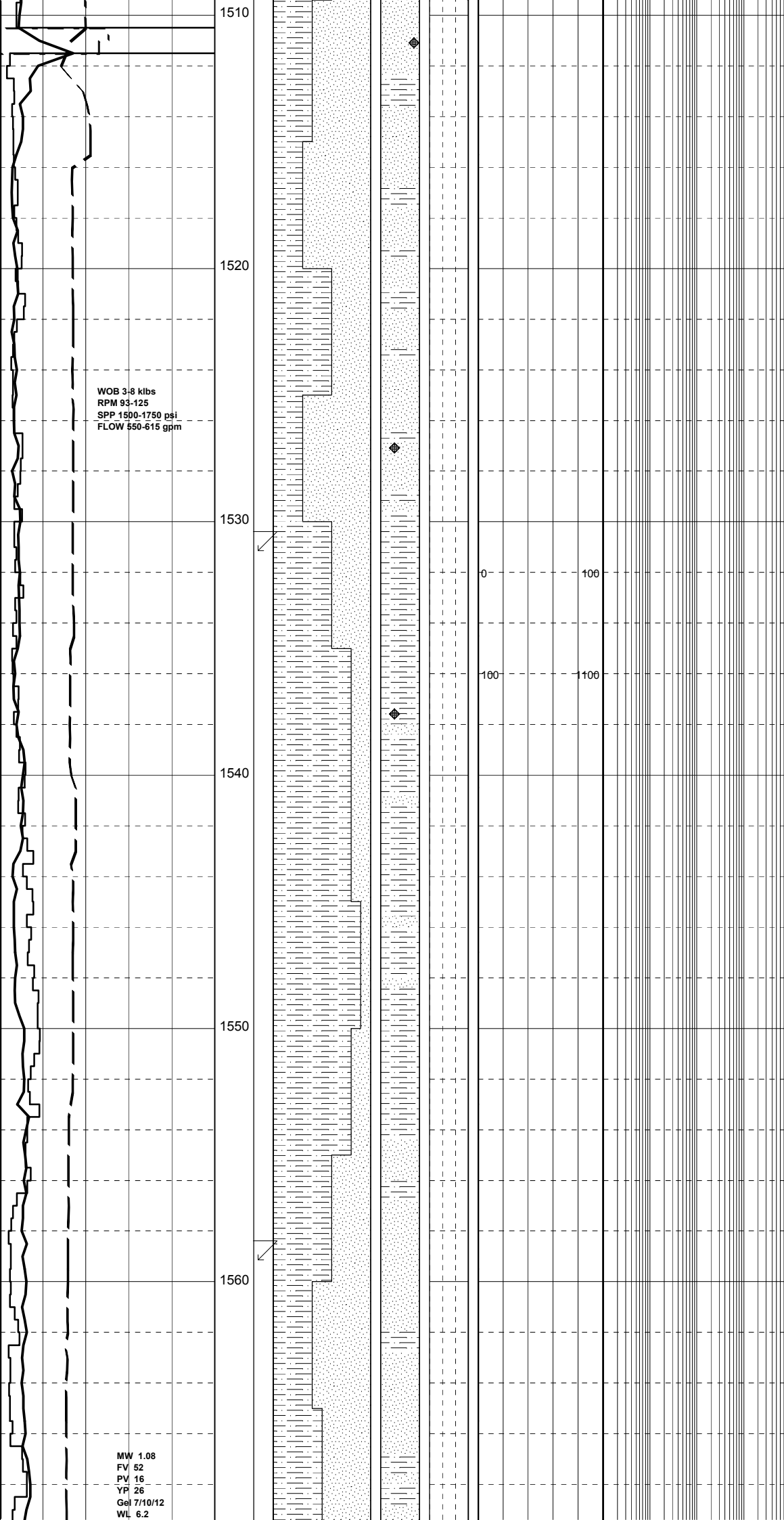
SANDSTONE:trnsi-clr,off wh-v pl gry,vf-crs,dom med-crs,pr srt,sbang-sbrnd,wk sil cmt,com loc pl gry-brn arg mtb,occ nod pyr,glauc,mnr carb spks & frags,dom cln & lse,loc fri-mod hd aggs,pr vis por,fr inf por, no fluor.

SILTSTONE:med-dk gry,grysh blk, dk gmsh gry,dom arg,aren i/p,com dissem pyr,occ micmic,nod pyr,sft-frm,sbblky-blky.

SANDSTONE:trnsi-clr,frstd,v pl gry,f-med,occ crs-v crs,mod srt,sbang-sbrnd,loc wk-mod sil cmt,loc pl gry arg mtb,grd to aren SLTST i/p,dom cln & lse grs,mnr-com nod pyr,occ mic,carb frags,rr mod hd aggs,pr vis por,fr-gd inf por,no fluor.

SILTSTONE:med-dk gry,grysh blk, dk gmsh gry,dom arg,aren i/p,com dissem pyr,occ micmic,nod pyr,sft-frm,sbblky-blky.

SILTSTONE:med-dk brn,brnsh gry, occ lt gry,dom arg,com aren,sli calc grd to vf SST i/p,com dissem pyr,occ glauc,dom frm-mod hd,sbblky-blky.



SANDSTONE:trnsi-clr,frstd,f-med,
occ crs,mod srt,sbang-sbrnd,tr wk
calc cmt,loc wk-mod sil cmt,tr pl
brn-gry arg mtx,com disse pyr,occ
carb spks & frags,tr pl yel,dom lse
& cin,occ mod hd-hd aggs,pr vis por
pr-fr inf & vis por,no fluor.

SILTSTONE:lt-med gry,dk gry,
grysh blk,aren,com arg,com disse
pyr,occ micmic,tr calc mat,dom frm-
mod hd,sft i/p,sbbiky-blky.

SURVEY @ 1531m: 0.00°

SILTSTONE:med gry-dk gry,tr lt gry,
grysh blk,aren,tr arg,com w/disse pyr,
pred sft-mod hd,tr frm,sbbiky-blky

SANDSTONE:trnsi,clr,frstd,tr pl yel,
pred med-crs grs,mnr f grs,mod wl srt,
pred sbrnd,tr sbang-sbrnd,wk sil cmt,
no vis mtx,com disse pyr,tr carb spks,
rr mic,lse & cin grs,hd-v hd,
fr inf por,fr-gd vis por,no fluor.

SURVEY @ 1559m: 0.00°

WOB 3-8 klbs
RPM 93-125
SPP 1500-1750 psi
FLOW 550-615 gpm

MW 1.08
FV 52
PV 16
YP 26
Gel 7/10/12
WL 6.2

pH 8.7
CK 1/
Sol 8
Cl 21

WOB 3-7 klbs
RPM 87-105
SPP 1575-1750 psi
FLOW 505-605 gpm

WOB 3-7 klbs
RPM 98-105
SPP 1655-1820 psi
FLOW 568-615 gpm

1570
1580
1590
1600
1610
1620



SANDSTONE:trnsi-4msp,clr,frstd,pred med-f grs,mnr crs grs,mod wl srt, sbang-sbrnd,wk sil cmt,no vis mtx,tr pyr, com w/dissemed carb spks,rr mic,ls& cin grs, hd-v hd,fr-gd inf & vis por,no fluor.

SURVEY @ 1587m: 0.00°

SILTSTONE:med gry-dk gry,dk olv gry, grysh blk,aren,tr pyr,com carb spks,sft frm, mod hd i/p,pred sbbiky,sbfiss-fiss i/p, amorph.

SANDSTONE:trnsi,clr,frstd,tr pl yel,med-crs grs,f grs i/p,moe wl srt,sbang-sbrnd, pred sbrnd,wk sil cmt,no vis mtx,tr pyr, com carb spks,lse & cin,hd-v hd,fr inf por, fr-gd vis por,no fluor.

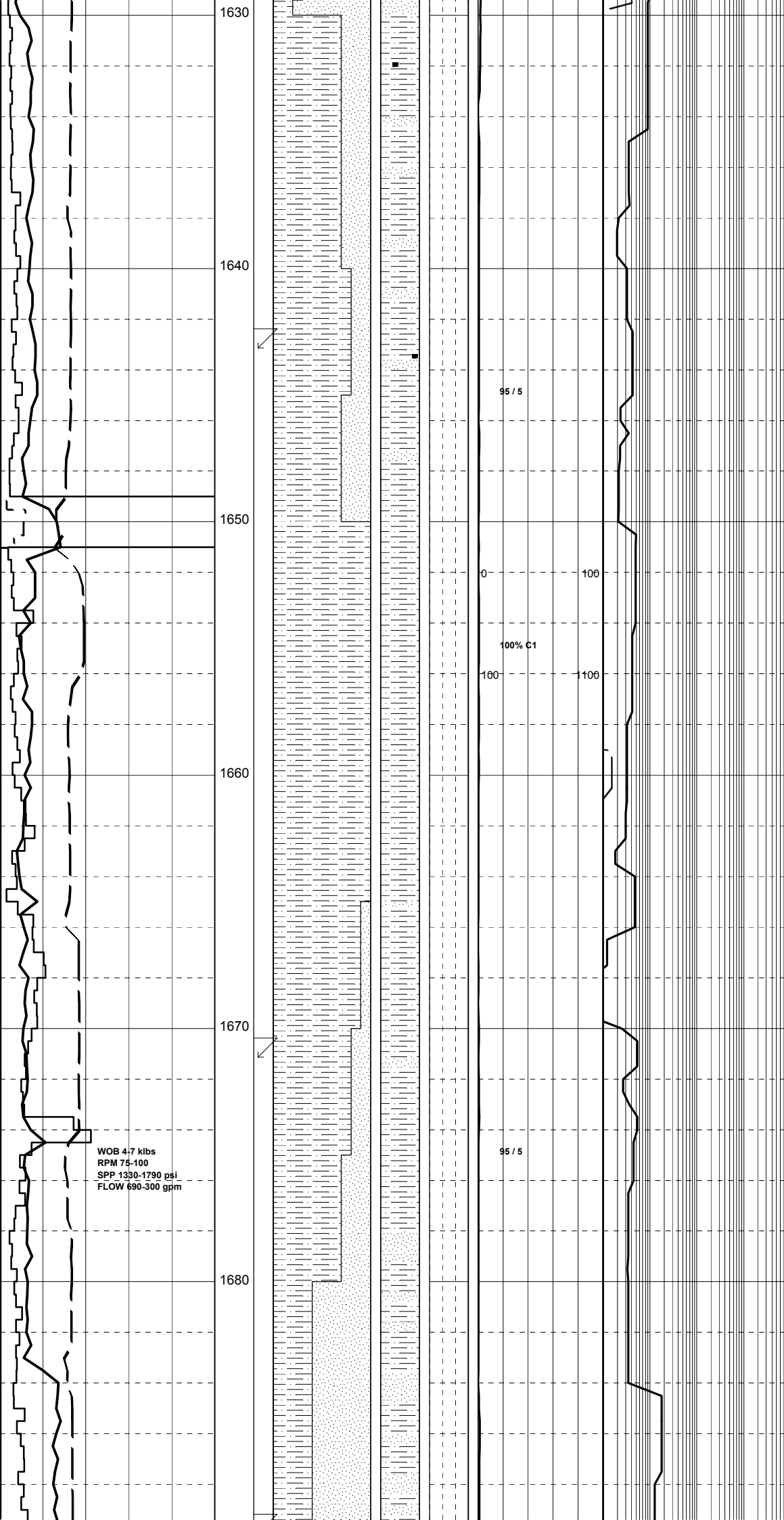
CARBIDE LAG CHECK @ 1600m
THEOR. STKS: 4846
ACTUAL STKS: 4950
HOLE IS 2.1% O.G

SILTSTONE:pred med gry-dk gry,grysh blk, mnr lt gry,aren,mnr arg,com carb spks, tr pyr,pred frm-mod hd,loc sft disp, sbbiky-sbfiss.

SURVEY @ 1615m: 0.00°

SANDSTONE:trnsi,clr,rr pl yelsh wh,pred med grs,f grs i/p,mod wl srt,sbrnd,occ sbang-sbrnd,wk sil cmt,no vis mtx,tr pyr, mnr carb spks,lse & cin grs,mod hd-v hd, fr inf por,fr-gd vis por,no fluor.

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SILTSTONE:lt gry,lt brnsh gry,med gry i/p, aren,occ arg,micmic,com blk carb spks & microlans,sft frm,mnr mod hd,sbbkly-sbfiss,mnr amorph.

SANDSTONE:frstd,trnsl,mnr clr,miky i/p,v crs-crs,tr med,incr v f grs,mod wl srt,sbang-sbrnd,com ang frac v crs grs, occ grd to aren SLTST i/p,tr-loc med calc cmt,mnr sil cmt,wh-off wh arg mtx, incr nod & dissem pyr,carb spks, lse crs & v crs grs,frm-mod hd vf-f aggs,fr-gd inf & vis por,no fluor.

SURVEY @ 1643m: 0.5°

SILTSTONE:1)wh-v lt gry,v arg,calc, mnr carb spks,disp-v sft,amorph 2)med-lt gry,dk gry i/p,mnr arg,dom aren,grd to vf SST i/p,fritocc mod hd, sbbkly-sbfiss,occ fiss i/p.

SILTSTONE:dom wh-v pl gry,med-med dk gry i/p,arg,aren i/p,tr micro carb spks,disptfrm i/p,amorph-blk,mnr sbbkly-sbfiss.

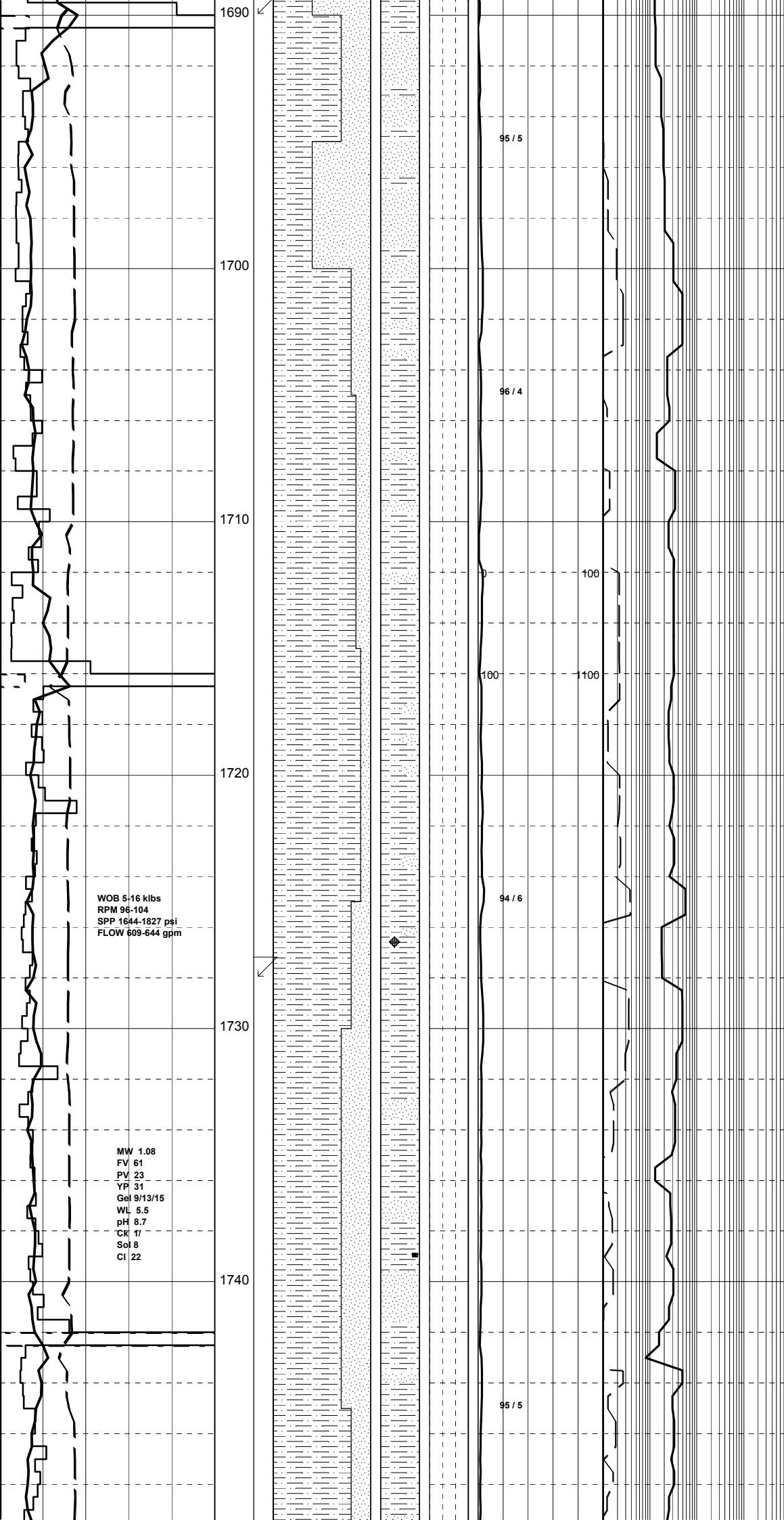
SILTSTONE:med gry-lt brnsh gry,decr wh-v pl gry,gmsh gry,tr dk gry,arg,tr aren, micro carb spks, dom disp, v sft-sft,loc frm-mod hd i/p,amorph,sbbkly-sbfiss i/p.

SURVEY @ 1671m: 0.5°

SILTSTONE:gen lt gry-lt grnsh gry,yelsh gry,wh,lt gry-med gry i/p,arg,occ aren, abdt carb spks,disp-sft,rr sft-frm, sbbkly-blky,amorph.

SANDSTONE:clr,trnsl,rr pl yel-pl org, gen med-f grs,crs grs i/p,mod wl srt, sbang-sbrnd,tr v wl rnd,wk sil cmt, no vis mtx,tr arg mtx,com carb spks,lse & unconsol,mod hd-v hd,fr-gd in por,fr vis por,no fluor.

WOB 4.7 klbs
RPM 75-100
SPP 1330-1790 psi
FLOW 690-300 gpm



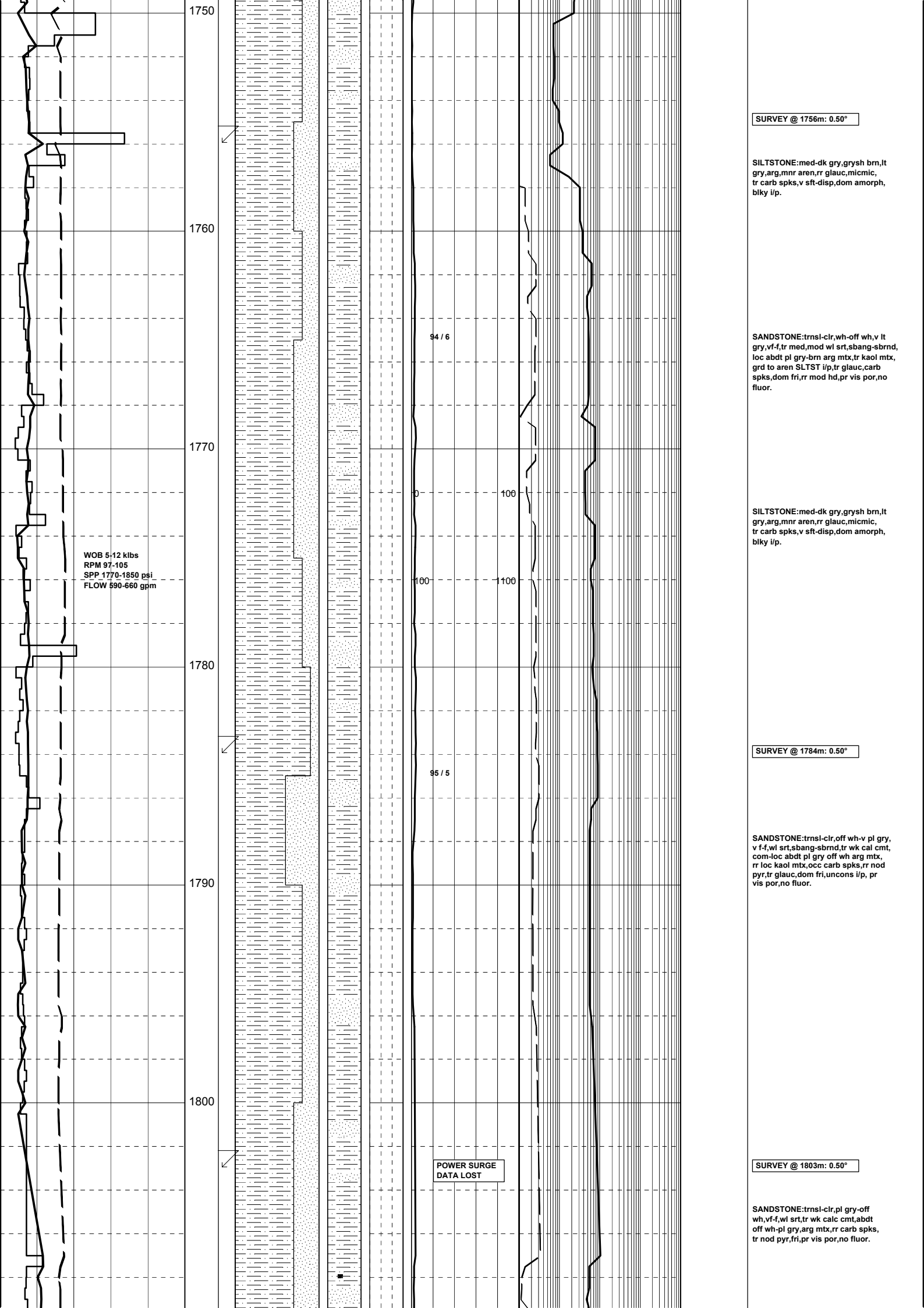
SANDSTONE:frstd,trnsi-clr,col,occ mlky,tr v pl gry,med-v crs grs,mod srt,pred sbang, com ang,v crs frac grs,sbrnd i/p,wk calc & sil cmt,tr off wh-pl gry arg mtx,mic flks,lse & pred clin,pr-loc fr por,no fluor.

SILTSTONE:lt gry-grysh blk,lt grmsh gry, col,arg,com carb spks,gen v sft-disp, rr frm,sbblky-sbfiss,amorph.

SANDSTONE:cir,trnsi,lt gry-col,pred med-f grs,rr crs grs,pred sbang,mnr sbang-sbrnd,wk sil cmt,no vis mtx,tr pyr,com carb spks,lse grs,hd-v hd,fr inf por, pr-fr vis por,no fluor.

SILTSTONE:med-dk gry,lt gry,aren, arg l/p,occ carb spks & flks,mnr dissem pyr,sft-disp,blky-amorph.

SANDSTONE:trnsi-clr,wh-lt gry, vf-f,wl srt,mnr wk calc cmt,abdt kaol mtx,rr lt brn liths,tr carb mat,pyr cmt,fri,occ mod hd,pr vis por,no fluor.



SURVEY @ 1756m: 0.50°

SILTSTONE: med-dk gry, grysh brn, lt gry, arg, mnr aren, rr glauc, micmic, tr carb spks, v sft-disp, dom amorph, blkly i/p.

SANDSTONE: trnsl-clr, wh-off wh, v lt gry, vf-f, tr med, mod wl srt, sbang-sbrnd, loc abdt pl gry-brn arg mtx, tr kaol mtx, grd to aren SLTST i/p, tr glauc, carb spks, dom fri, rr mod hd, pr vis por, no fluor.

SILTSTONE: med-dk gry, grysh brn, lt gry, arg, mnr aren, rr glauc, micmic, tr carb spks, v sft-disp, dom amorph, blkly i/p.

SURVEY @ 1784m: 0.50°

SANDSTONE: trnsl-clr, off wh-v pl gry, v f-f, wl srt, sbang-sbrnd, tr wk calc cmt, com-loc abdt pl gry off wh arg mtx, rr loc kaol mtx, occ carb spks, rr nod pyr, tr glauc, dom fri, unconcs i/p, pr vis por, no fluor.

SURVEY @ 1803m: 0.50°

SANDSTONE: trnsl-clr, pl gry-off wh, vf-f, wl srt, tr wk calc cmt, abdt off wh-pl gry, arg mtx, rr carb spks, tr nod pyr, fri, pr vis por, no fluor.

WOB 5-12 klbs
RPM 97-105
SPP 1770-1850 psi
FLOW 590-660 gpm

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0

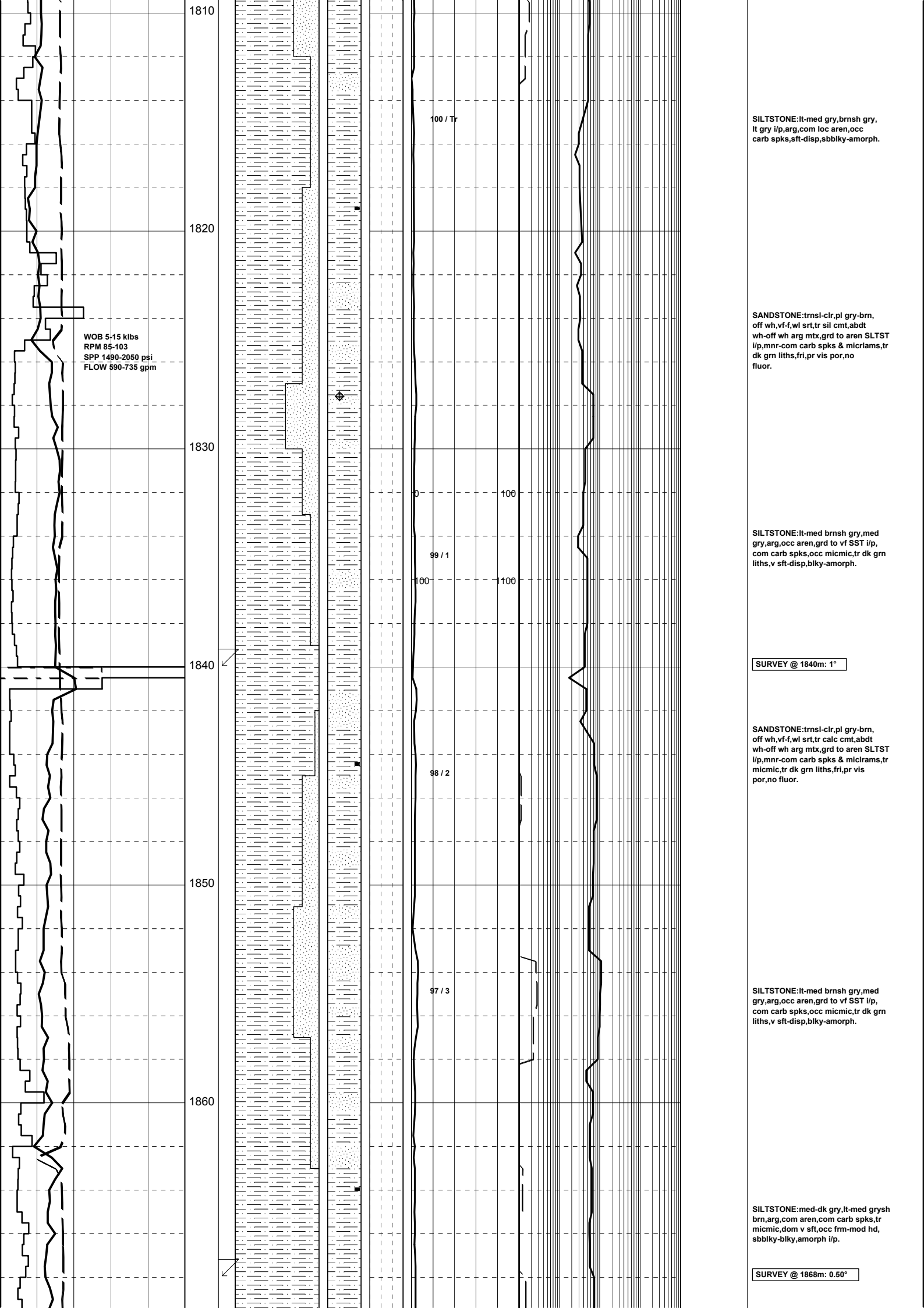
100

100

100

95 / 5

POWER SURGE
DATA LOST



SILTSTONE:lt-med gry,brnsh gry,
lt gry i/p,arg,com loc aren,occ
carb spks,sft-disp,sbbiky-amorph.

SANDSTONE:trnsi-clr,pl gry-brn,
off wh,vf-f,wl srt,tr sil cmt,abdt
wh-off wh arg mtx,grd to aren SLTST
i/p,mnr-com carb spks & miclrams,tr
dk gm liths,fri,pr vis por,no
fluor.

SILTSTONE:lt-med brnsh gry,med
gry,arg,occ aren,grd to vf SST i/p,
com carb spks,occ micmic,tr dk gm
liths,v sft-disp,blky-amorph.

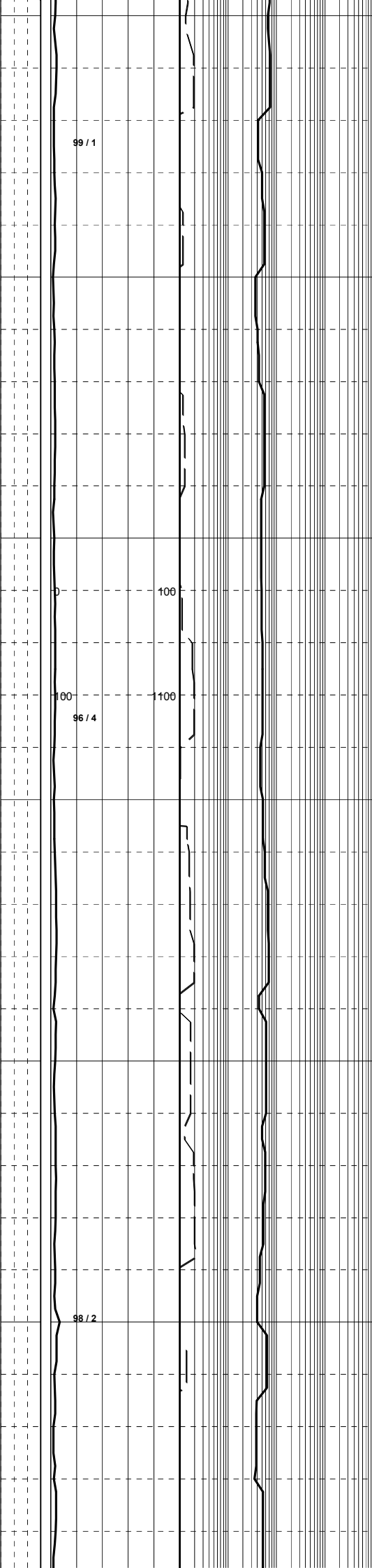
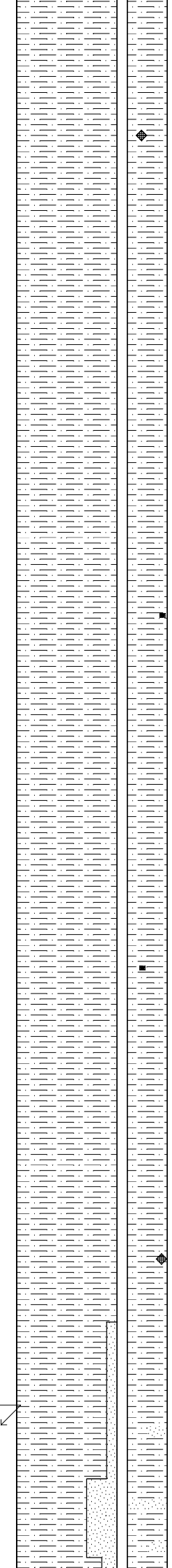
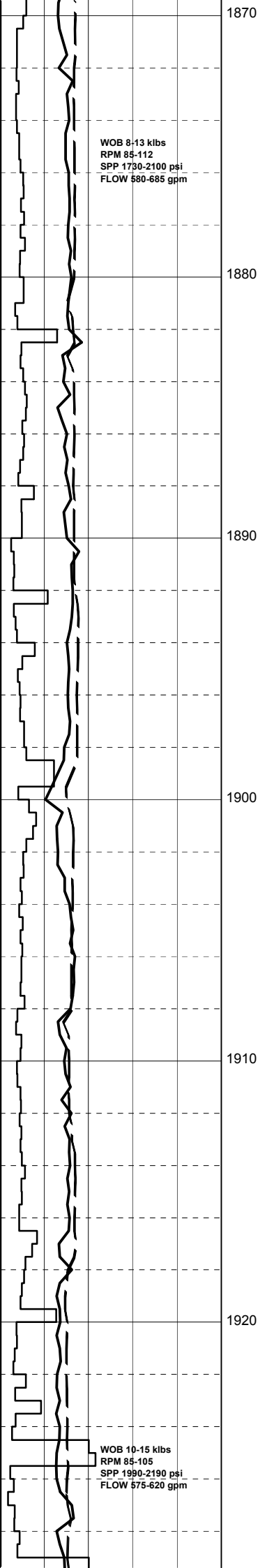
SURVEY @ 1840m: 1°

SANDSTONE:trnsi-clr,pl gry-brn,
off wh,vf-f,wl srt,tr calc cmt,abdt
wh-off wh arg mtx,grd to aren SLTST
i/p,mnr-com carb spks & miclrams,tr
micmic,tr dk gm liths,fri,pr vis
por,no fluor.

SILTSTONE:lt-med brnsh gry,med
gry,arg,occ aren,grd to vf SST i/p,
com carb spks,occ micmic,tr dk gm
liths,v sft-disp,blky-amorph.

SILTSTONE:med-dk gry,lt-med grysh
brn,arg,com aren,com carb spks,tr
micmic,dom v sft,occ frm-mod hd,
sbbiky-blky,amorph i/p.

SURVEY @ 1868m: 0.50°



SILTSTONE:dom med-dk gry,occ lt-med gry,arg,tr aren,occ carb spks,dissem pyr,tr calc mat,sft-frm,rr mod hd,sbblky-sbfiss.

SILTSTONE:med-dk gry,brnsh gry,arg,tr aren,occ carb spks,dissem pyr,tr calc mat,sft-frm,rr mod hd,sbblky-blky,sbfiss i/p.

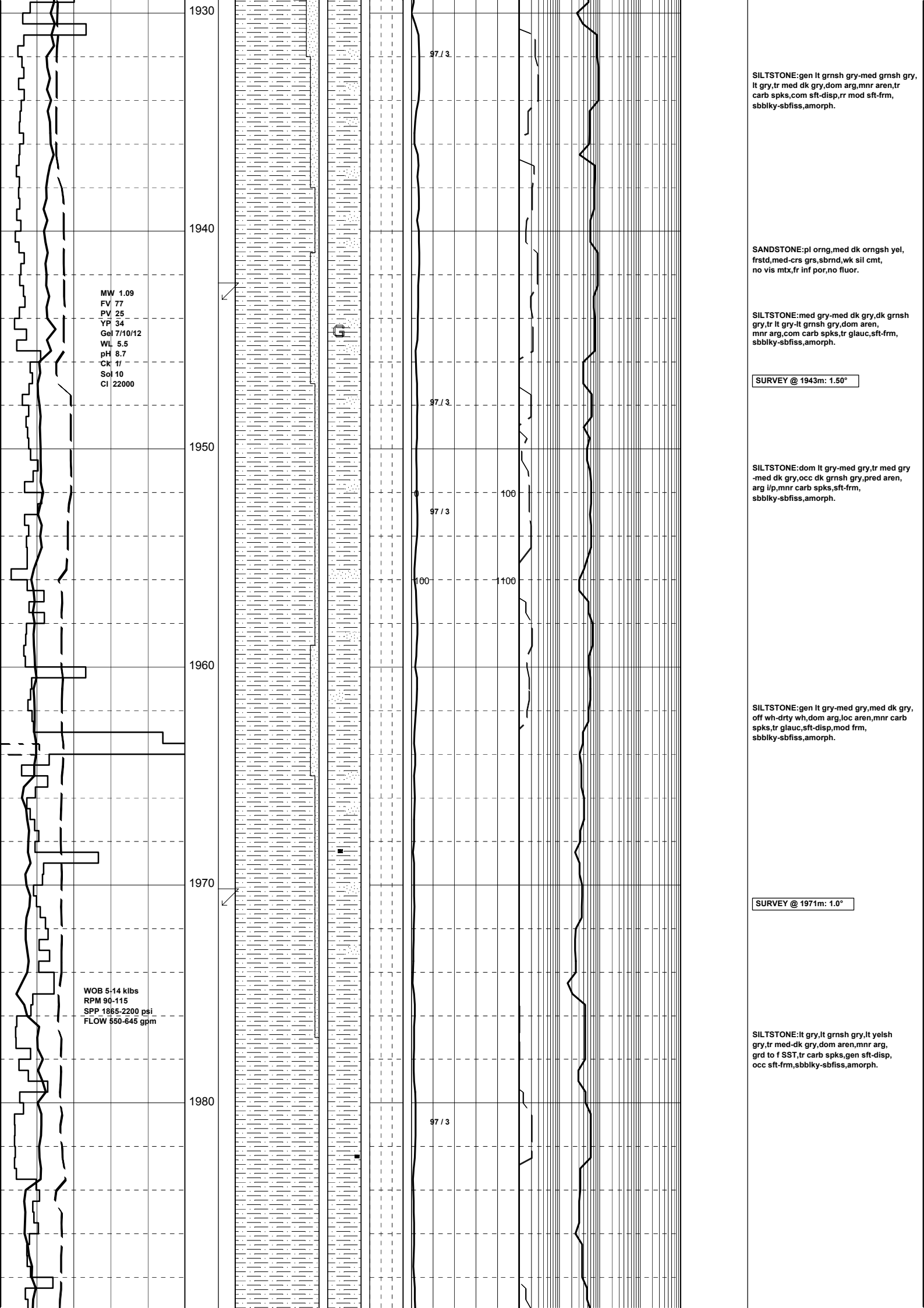
SILTSTONE:dom lt gry-med gry,med dk gry,dom aren,mnr arg,grd to SST i/p,comm dissem w/pyr,sft-rm,disp i/p,sbblky-sbfiss.

SILTSTONE:dom lt gry-med gry,tr med dk gry,pred aren,mnr arg,grd to SST i/p,comm dissem w/carb spks,dom sft-frm,tr disp,sbblky-sbfiss.

SILTSTONE:brnsh gry,med gry,mnr lt gry,arg,com aren,occ carb spks & mnr lams,sft-mod hd i/p,disp i/p,sbblky-sbfiss.

TOTCO SURVEY @ 1924.m: 0.50°

SANDSTONE:cir,trnsl,pl grn,pl gry,f-med,mod wl srt,sbang,wk calc & sil cmt,lt grnsh gry-ft blush gry arg mtx,lse & cin,fr-pr inf por,no fluor.



MW 1.09
 FV 77
 PV 25
 YP 34
 Gel 7/10/12
 WL 5.5
 pH 8.7
 CK 1/
 Sol 10
 Cl 22000

SILTSTONE:gen lt grnsh gry-med grnsh gry,
 lt gry,tr med dk gry,dom arg,mnr aren,tr
 carb spks,com sft-disp,rr mod sft-frm,
 sbbiky-sbfiss,amorph.

SANDSTONE:pl orng,med dk orngsh yel,
 frstd,med-crs grs,sbrnd,wk sil cmt,
 no vis mtx,fr inf por,no fluor.

SILTSTONE:med gry-med dk gry,dk grnsh
 gry,tr lt gry-lt grnsh gry,dom aren,
 mnr arg,com carb spks,tr glauc,sft-frm,
 sbbiky-sbfiss,amorph.

SURVEY @ 1943m: 1.50°

SILTSTONE:dom lt gry-med gry,tr med gry
 -med dk gry,occ dk grnsh gry,pred aren,
 arg ip,mnr carb spks,sft-frm,
 sbbiky-sbfiss,amorph.

SILTSTONE:gen lt gry-med gry,med dk gry,
 off wh-drtly wh,dom arg,loc aren,mnr carb
 spks,tr glauc,sft-disp,mod frm,
 sbbiky-sbfiss,amorph.

SURVEY @ 1971m: 1.0°

SILTSTONE:lt gry,lt grnsh gry,lt yelsh
 gry,tr med-dk gry,dom aren,mnr arg,
 grd to f SST,tr carb spks,gen sft-disp,
 occ sft-frm,sbbiky-sbfiss,amorph.

WOB 5-14 klbs
 RPM 90-115
 SPP 1865-2200 psi
 FLOW 550-645 gpm

97/3

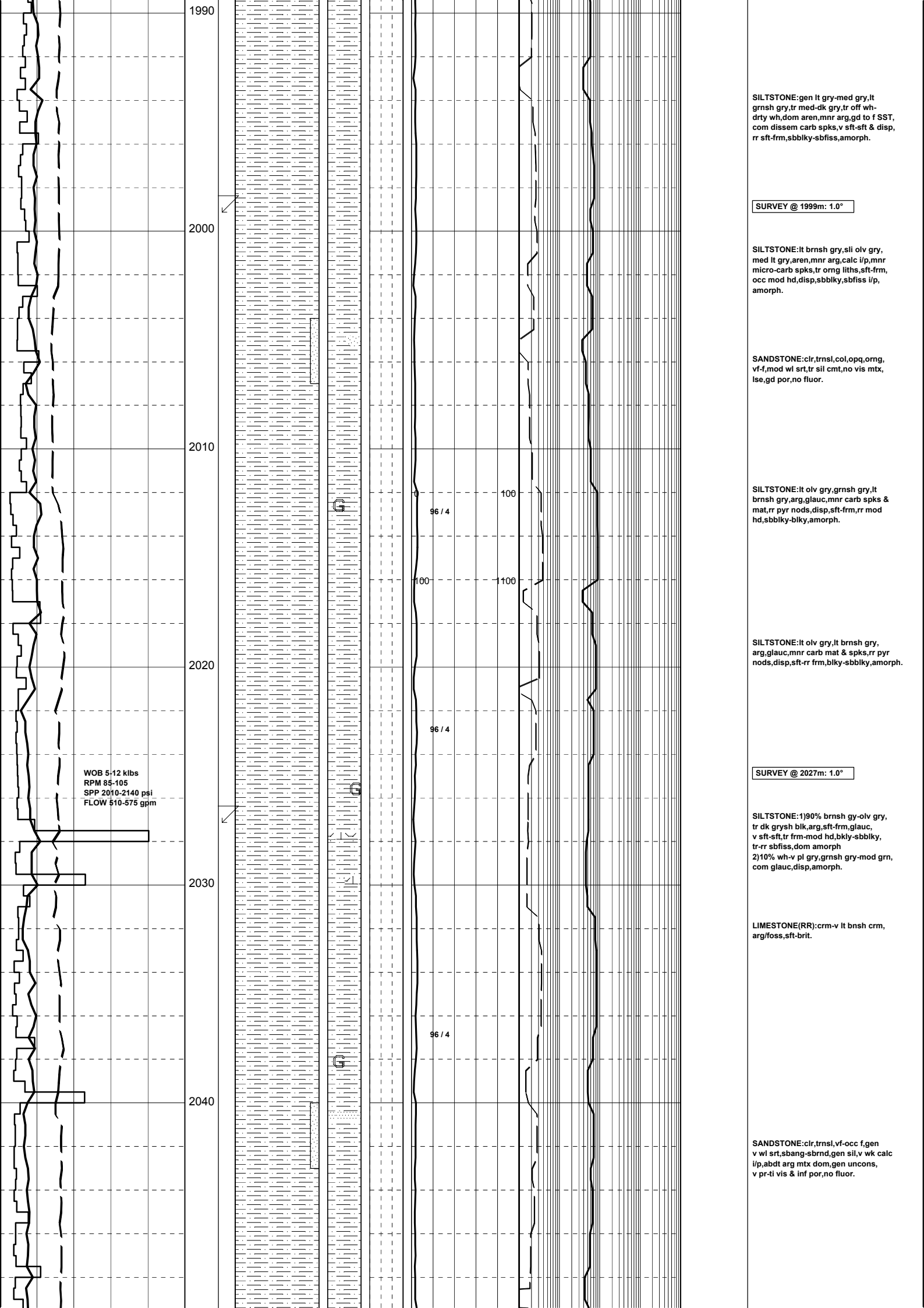
97/3

97/3

100

100

97/3



SILTSTONE: gen lt gry-med gry, lt grnsh gry, tr med-dk gry, tr off wh-dry wh, dom aren, mnr arg, gd to f SST, com dissem carb spks, v sft-sft & disp, rr sft-frm, sbbkly-sbfiss, amorph.

SILTSTONE: lt brnsh gry, sli olv gry, med lt gry, aren, mnr arg, calc i/p, mnr micro-carb spks, tr org liths, sft-frm, occ mod hd, disp, sbbkly, sbfiss i/p, amorph.

SANDSTONE: clr, trnsi, col, opq, org, vf-f, mod wl srt, tr sil cmt, no vis mtx, lse, gd por, no fluor.

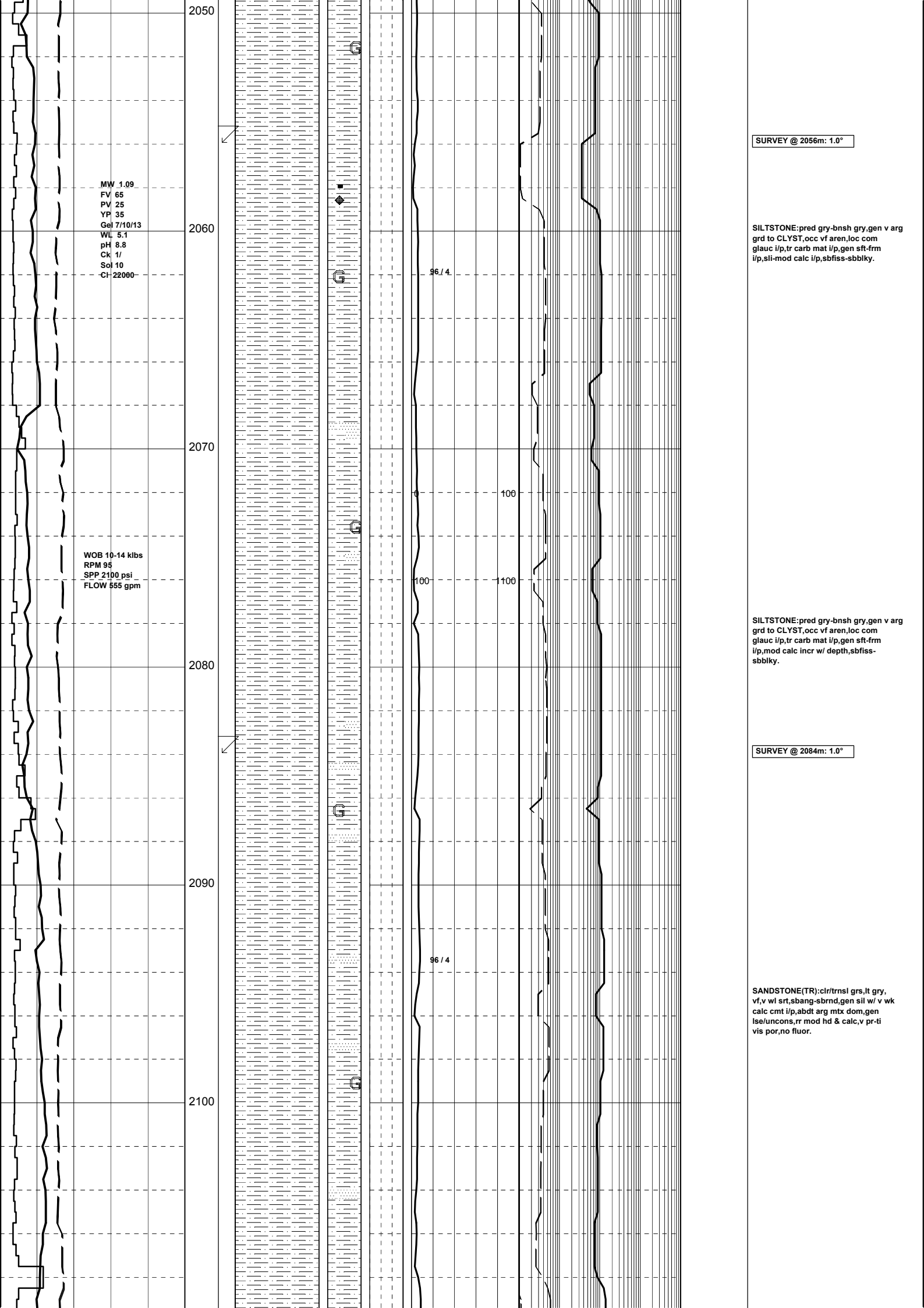
SILTSTONE: lt olv gry, grnsh gry, lt brnsh gry, arg, glauc, mnr carb spks & mat, rr pyr nods, disp, sft-frm, rr mod hd, sbbkly-blky, amorph.

SILTSTONE: lt olv gry, lt brnsh gry, arg, glauc, mnr carb mat & spks, rr pyr nods, disp, sft-rr frm, blky-sbbkly, amorph.

SILTSTONE: 1) 90% brnsh gy-olv gry, tr dk grysh blk, arg, sft-frm, glauc, v sft-sft, tr frm-mod hd, bkly-sbbkly, tr-rr sbfiss, dom amorph
2) 10% wh-v pl gry, grnsh gry-mod gm, com glauc, disp, amorph.

LIMESTONE(RR): crm-v lt brnsh crm, arg/foss, sft-brit.

SANDSTONE: clr, trnsi, vf-occ f, gen v wl srt, sbang-sbrnd, gen sil, v wk calc i/p, abdt arg mtx dom, gen uncons, v pr-ti vis & inf por, no fluor.



MW 1.09
 FV 65
 PV 25
 YP 35
 Gel 7/10/13
 WL 5.1
 pH 8.8
 Ck 1/
 Sol 10
 CI 22000

WOB 10-14 kibs
 RPM 95
 SPP 2100 psi
 FLOW 555 gpm

SURVEY @ 2056m: 1.0°

SILTSTONE: pred gry-bnsh gry, gen v arg
 grd to CLYST, occ vf aren, loc com
 glauc i/p, tr carb mat i/p, gen sft frm
 i/p, sli-mod calc i/p, sbfiss-sbblky.

SILTSTONE: pred gry-bnsh gry, gen v arg
 grd to CLYST, occ vf aren, loc com
 glauc i/p, tr carb mat i/p, gen sft frm
 i/p, mod calc incr w/ depth, sbfiss-
 sbblky.

SURVEY @ 2084m: 1.0°

SANDSTONE(TR): clr/trnsl grs, lt gry,
 vf, v w/ srt, sbang-sbrnd, gen sil w/ v wk
 calc cmt i/p, abdt arg mtx dom, gen
 lse/uncons, rr mod hd & calc, v pr-ti
 vis por, no fluor.

96 / 4

100

100

96 / 4

2050

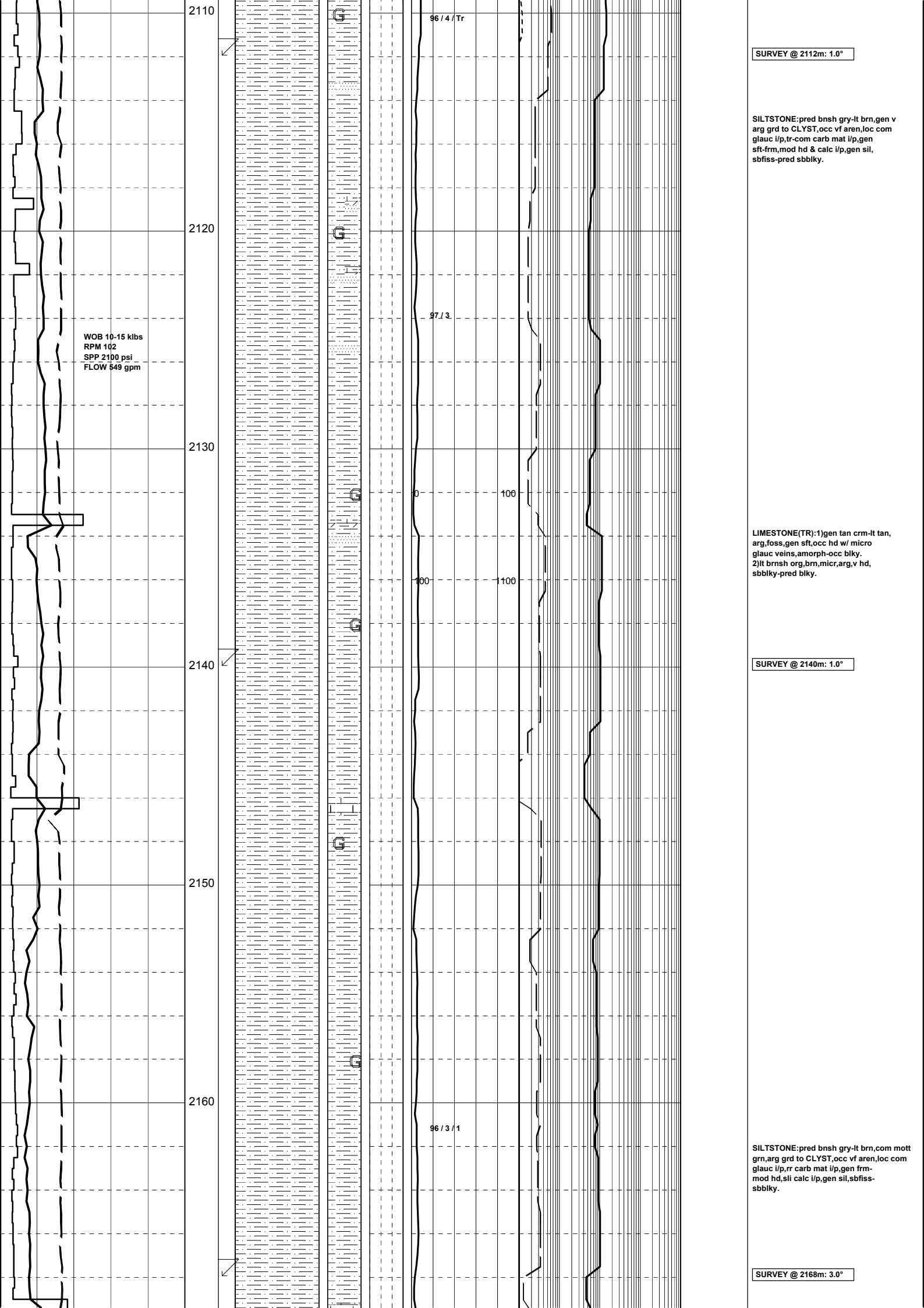
2060

2070

2080

2090

2100



SURVEY @ 2112m: 1.0°

SILTSTONE: pred bnsh gry-lt brn, gen v arg grd to CLYST, occ vf aren, loc com glauc i/p, tr-com carb mat i/p, gen sft frm, mod hd & calc i/p, gen sil, sbfiss-pred sbbkly.

LIMESTONE (TR): 1) gen tan crm-lt tan, arg, foss, gen sft, occ hd w/ micro glauc veins, amorph-occ blkly. 2) lt brnsh org, brn, micr, arg, v hd, sbbkly-pred blkly.

SURVEY @ 2140m: 1.0°

SILTSTONE: pred bnsh gry-lt brn, com mott grn, arg grd to CLYST, occ vf aren, loc com glauc i/p, rr carb mat i/p, gen frm-mod hd, sil calc i/p, gen sil, sbfiss-sbbkly.

SURVEY @ 2168m: 3.0°

WOB 10-15 klbs
RPM 102
SPP 2100 psi
FLOW 549 gpm

96 / 4 / Tr

97 / 3

96 / 3 / 1

0 100
100 100

2110

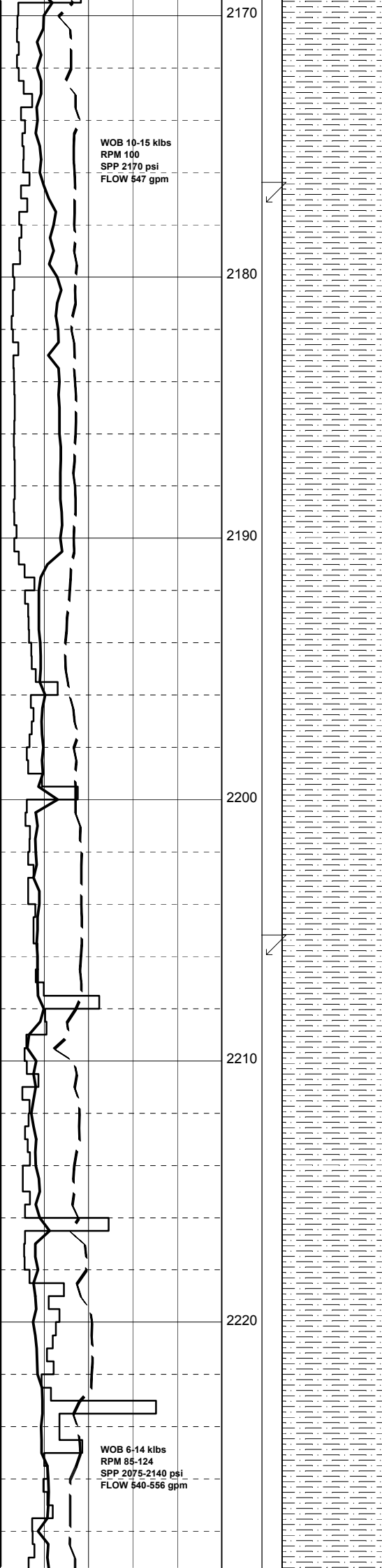
2120

2130

2140

2150

2160



WOB 10-15 klbs
RPM 100
SPP 2170 psi
FLOW 547 gpm

WOB 6-14 klbs
RPM 85-124
SPP 2075-2140 psi
FLOW 540-556 gpm

SURVEY @ 2177m: 2.5°

SILTSTONE:pred bnsh gry-lt brn,com mott grn,arg,occ vf aren,loc com glauc i/p, gen frm,gen sil w/ hd & sil i/p,mnr tr calc i/p,pred sbfiss-sbbiky,occ blk.

SANDSTONE(TR):off wh-v lt gry,vf, w/ srt,sbang-sbrmd,off wh arg mtz,wk sil cmt,frt,v pr-ti vis por,no fluor.

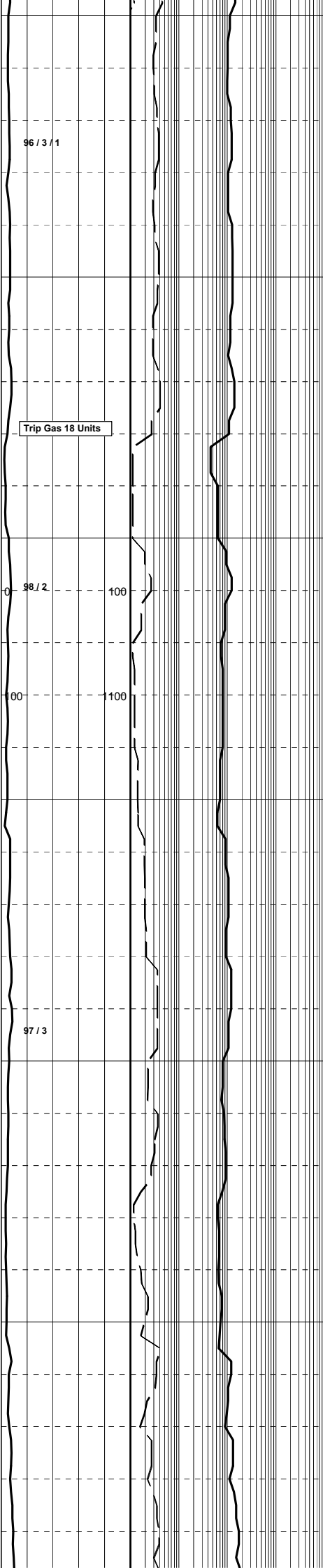
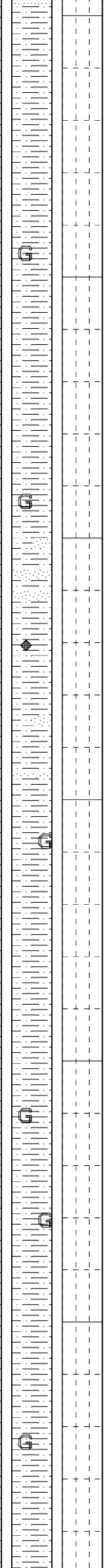
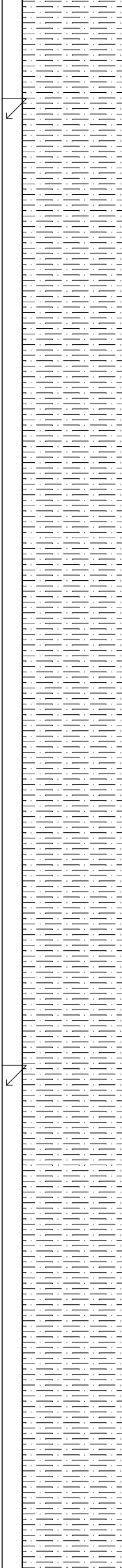
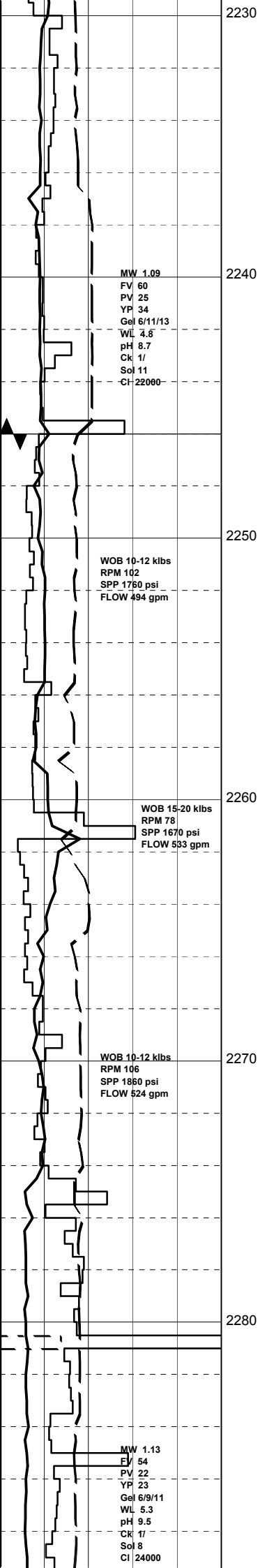
SURVEY @ 2206m: 3.5°

SILTSTONE:pred bnsh gry-lt brn, com mott grn,aren,occ arg,loc com glauc i/p,gen frm,gen sil w/ hd & sil i/p,mnr-tr calc i/p,pred sbfiss-sbbiky,occ blk.

96 / 3 / 1

96 / 3 / 1

0 100
60 100



SILTSTONE: med gry-dk gry, med grnsh gry-dk grnsh gry, dom arg, mnr aren, tr carb spks, tr glauc, sft frm, mod hd i/p, sbblky-sbfiss, amorph.

SURVEY @ 2234m: 3.5°

Wiper Trip @ 2246m

SILTSTONE: med-med dk gry, pred arg, occ aren, micmic, com carb spks, mnr-tr glauc, frm-mod hd i/p, tr pyr nods, sbblky-sbfiss, tr fiss.

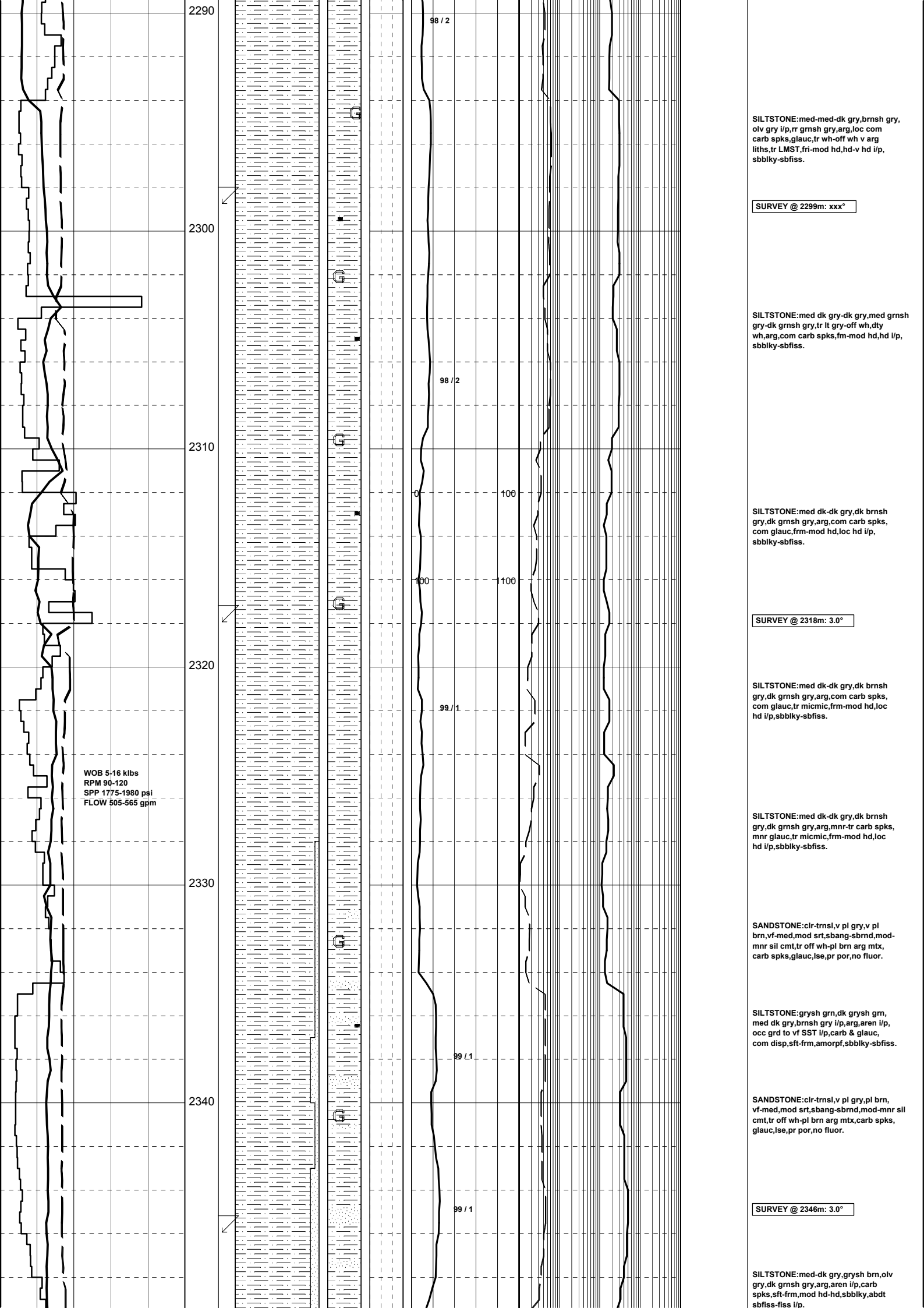
CARBIDE LAG CHECK @ 2257m
 THEOR. STKS: 6754
 ACTUAL STKS: 7200
 HOLE IS 8.0% O.G

SILTSTONE: med-dk gry, arg, decr carb spks, com grd to CLYST i/p, tr LMST mat, frm-mod hd, sbblky-sbfiss.

SURVEY @ 2271m: 3.0°

SILTSTONE: med-dk gry, arg, decr carb spks, com grd to CLYST i/p, tr LMST mat, frm-mod hd, sbblky-sbfiss.

SILTSTONE: med-med-dk gry, brnsh gry, olv gry i/p, rr grnsh gry, arg, loc com carb spks, glauc, tr wh-off wh v arg liths, fri-mod hd, hd-v hd i/p, sbblky-sbfiss.



2290

98 / 2

SILTSTONE:med-med-dk gry,brnsh gry,
olv gry i/p,rr grnsh gry,arg,loc com
carb spks,glauc,tr wh-off wh v arg
liths,tr LMST,fri-mod hd,hd-v hd i/p,
sbbiky-sbfiss.

SURVEY @ 2299m: xxx°

2300

98 / 2

SILTSTONE:med dk gry-dk gry,med grnsh
gry-dk grnsh gry,tr lt gry-off wh,dty
wh,arg,com carb spks,fm-mod hd,hd i/p,
sbbiky-sbfiss.

2310

0

100

SILTSTONE:med dk-dk gry,dk brnsh
gry,dk grnsh gry,arg,com carb spks,
com glauc,frm-mod hd,loc hd i/p,
sbbiky-sbfiss.

100

100

SURVEY @ 2318m: 3.0°

2320

99 / 1

SILTSTONE:med dk-dk gry,dk brnsh
gry,dk grnsh gry,arg,com carb spks,
com glauc,tr micmic,frm-mod hd,loc
hd i/p,sbbiky-sbfiss.

WOB 5-16 klbs
RPM 90-120
SPP 1775-1980 psi
FLOW 505-565 gpm

SILTSTONE:med dk-dk gry,dk brnsh
gry,dk grnsh gry,arg,mnr-tr carb spks,
mnr glauc,tr micmic,frm-mod hd,loc
hd i/p,sbbiky-sbfiss.

2330

SANDSTONE:clr-trmsl,v pl gry,v pl
brn,vf-med,mod srt,sbang-sbrnd,mod-
mnr sil cmt,tr off wh-pl brn arg mtx,
carb spks,glauc,lse,pr por,no fluor.

SILTSTONE:grysh grn,dk grysh grn,
med dk gry,brnsh gry i/p,arg,aren i/p,
occ grd to vf SST i/p,carb & glauc,
com disp,sft-frm,amorpf,sbbiky-sbfiss.

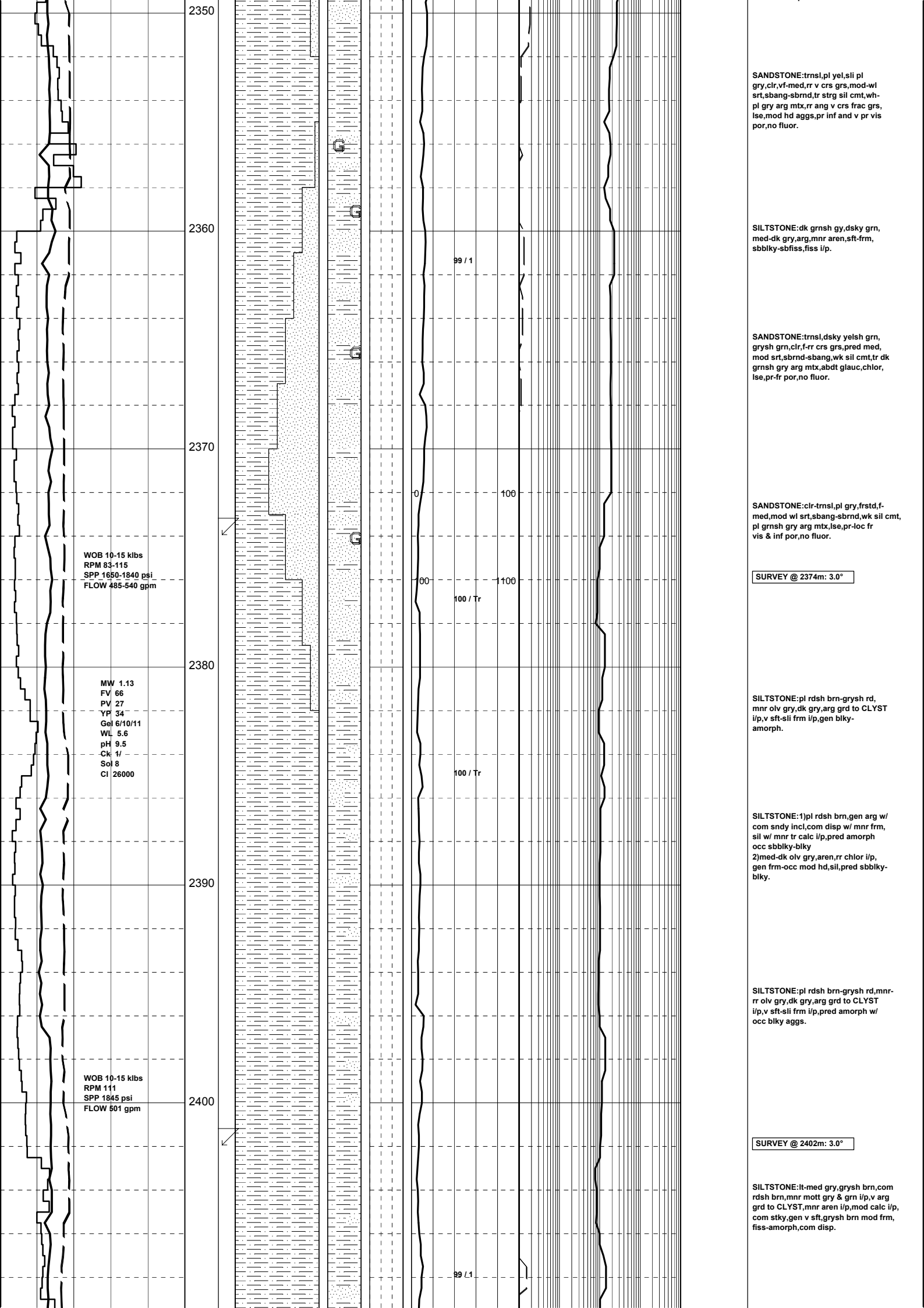
2340

99 / 1

SANDSTONE:clr-trmsl,v pl gry,pl brn,
vf-med,mod srt,sbang-sbrnd,mod-mnr sil
cmt,tr off wh-pl brn arg mtx,carb spks,
glauc,lse,pr por,no fluor.

SURVEY @ 2346m: 3.0°

SILTSTONE:med-dk gry,grysh brn,olv
gry,dk grnsh gry,arg,aren i/p,carb
spks,sft-frm,mod hd-hd,sbbiky,abdt
sbfiss-fiss i/p.



SANDSTONE:trnsi,pl yel,sl i pl gry,clr,vf-med,rr v crs grs,mod-wl srt,sbang-sbrnd,tr strg sil cmt,wh-pl gry arg mtbx,rr ang v crs frac grs,lse,mod hd aggs,pr inf and v pr vis por,no fluor.

SILTSTONE:dk grnsh gy,dsky grn,med-dk gry,arg,mnr aren,sft-frn,sbbky-sbfiss,fiss i/p.

SANDSTONE:trnsi,dsky yelsh grn,grysh grn,clr,f-rr crs grs,pred med,mod srt,sbrnd-sbang,wk sil cmt,tr dk grnsh gry arg mtbx,abdt glauc,chlor,lse,pr-fr por,no fluor.

SANDSTONE:clr-trnsi,pl gry,frstd,f-med,mod wl srt,sbang-sbrnd,wk sil cmt,pl grnsh gry arg mtbx,lse,pr-loc fr vis & inf por,no fluor.

SURVEY @ 2374m: 3.0°

SILTSTONE:pl rdsh brn-grysh rd,mnr olv gry,dk gry,arg grd to CLYST i/p,v sft-sil frm i/p,gen blk-amorph.

SILTSTONE:1)pl rdsh brn,gen arg w/com sndy incl,com disp w/ mnr frm,sil w/ mnr tr calc i/p,pred amorph occ sbbky-blky
2)med-dk olv gry,aren,rr chlor i/p,gen frm-occ mod hd,sil,pred sbbky-blky.

SILTSTONE:pl rdsh brn-grysh rd,mnr-rr olv gry,dk gry,arg grd to CLYST i/p,v sft-sil frm i/p,pred amorph w/occ blk aggs.

SURVEY @ 2402m: 3.0°

SILTSTONE:lt-med gry,grysh brn,com rdsh brn,mnr mott gry & grn i/p,v arg grd to CLYST,mnr aren i/p,mod calc i/p,com stky,gen v sft,grysh brn mod frm,fiss-amorph,com disp.

WOB 10-15 kibs
RPM 83-115
SPP 1650-1840 psi
FLOW 485-540 gpm

MW 1.13
FV 66
PV 27
YP 34
Gel 6/10/11
WL 5.6
pH 9.5
-Ck 1/
Sol 8
Cl 26000

WOB 10-15 kibs
RPM 111
SPP 1845 psi
FLOW 501 gpm

99 / 1

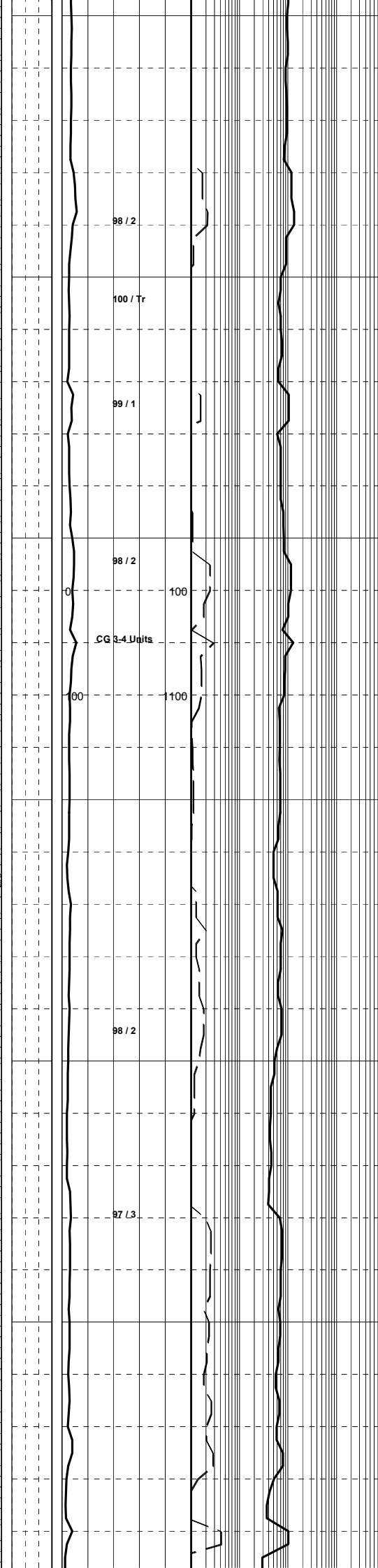
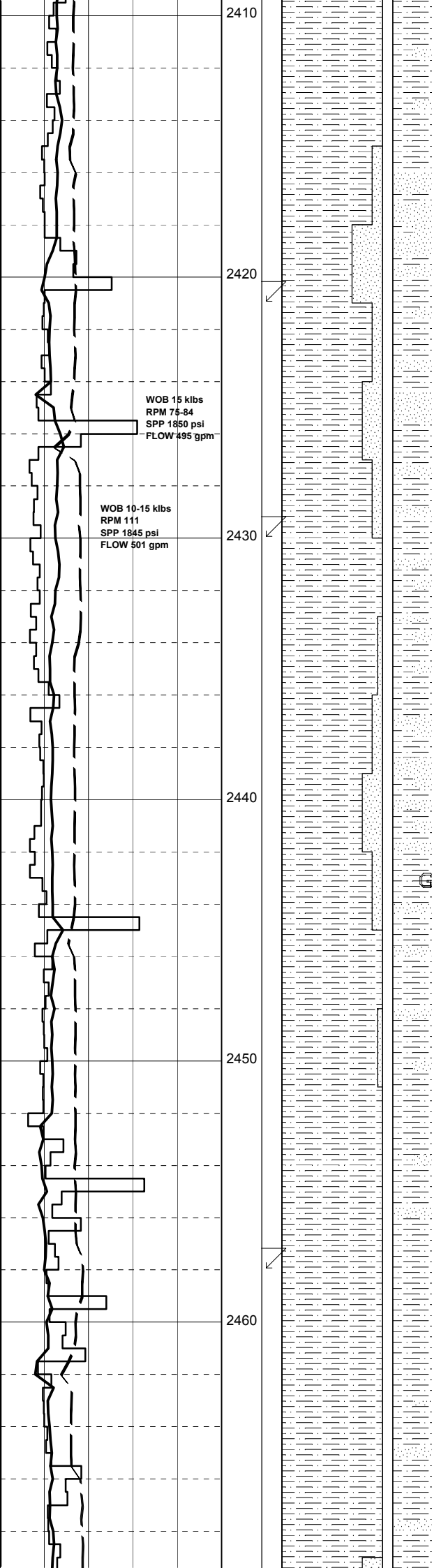
0 100

90 100

100 / Tr

100 / Tr

99 / 1



SANDSTONE: med-dk grysh brn, mnr v lt brnsh crm, com mott w/ grn & dk liths, vf, v wl srt, sbang-sbrnd, mod stng calc cmt, dom arg-silty mtx, com liths & mnr chl'or, com fri-mod frm i/p, occ frm-mod hd, v pr-ti vis por, no fluor.

SURVEY @ 2421m: 2.5°

SANDSTONE: dk gry, com mott dk gry brn, vf-occ f, mod wl srt, sbang-sbrnd, mod calc cmt, dk slty-arg mtx, rr-tr glauc i/p, v fri-frm i/p, v pr vis por, no fluor.

SURVEY @ 2430m: 3.0°

SANDSTONE: v dk gry, com mott dk gry-dk brn, vf-occ f, mod wl srt, sbang-sbrnd, mod calc cmt, v com dk slty mtx, rr-cln & lse, tr glauc i/p, fri-mod frm i/p, pr-ti vis por, no fluor.

SILTSTONE: med-dk grysh brn, mnr tr rdsh brn, arg & stky i/p, com v aren grd to vf SST, mod calc, fiss-amorph, com disp.

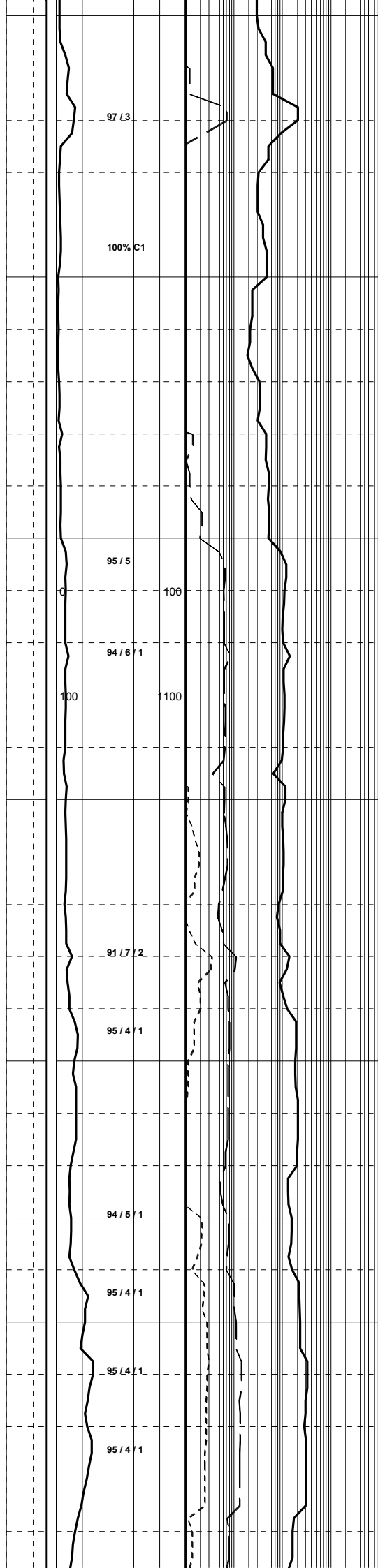
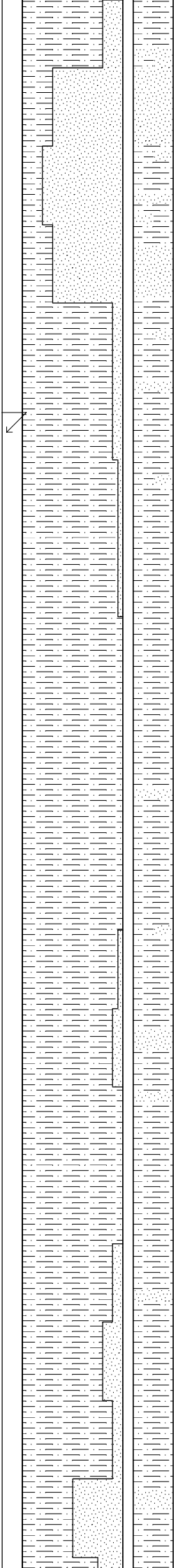
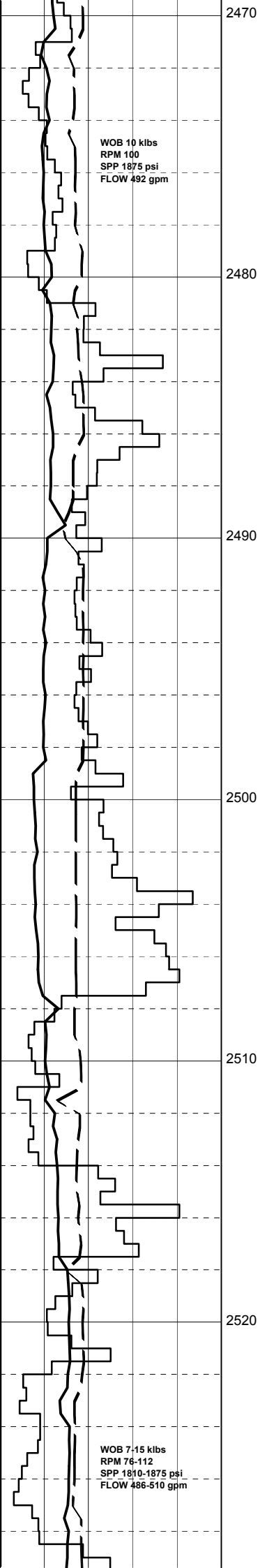
SANDSTONE: med brnsh gry, mott off wh i/p, occ grn spks, vf-occ f, wl srt, rnd-sbang, mod calc cmt, brnsh arg mtx, occ cln & lse, mnr tr glauc i/p, gen fri, occ lse, pr-ti vis por, no fluor.

SURVEY @ 2458m: 2.5°

SILTSTONE: med-dk grysh brn, sli dk olv gry, tr rdsh brn, arg, mnr aren, mnr carb spks, tr crm liths, frm-mod hd, hd i/p, fiss-sbblky.

SILTSTONE: lt-med gry, brnsh gry, mod brn i/p, arg, mnr micmic, dk gry liths, frm-mod hd, hd i/p, fiss-sbfiss, sbblky i/p.

SANDSTONE: opq yel, trnsl, mnr clr, med-v crs, pr-loc mod srt, sbrnd-ang, wk sil & loc mod calc cmt, off wh-lt gy arg mtx, vang frac vcrs qrs, lse, uncons.



fri-modhd i/p,pr-loc fr inf & v pr-ti vis por,no fluor.

SANDSTONE:trnsi,pl yel,frstd,mnr clr, f-v crs,pred med-crs,v pr srt,wk-mod sil & calc cmt,off wh & med gry arg mtx,comang frac crs-v crs grs,lse, unconc,fri-mod hd aggs,pr-loc fr inf & ti-por vis por,no fluor.

SILTSTONE:pl grn,mnr brnsh orgn,dk gry,pred arg,mnr aren,v sft-sft,frm-mod hd,sblbky-sbfiss,amorph i/p.

SANDSTONE:trnsi-clr,frstd,pl yel,pl gry,mnr pl grn,med-v crs,pr-loc mod srt,ang-sbrnd,wk-loc mod calc & wk sil cmt,tr wh-pl grysh grn arg mtx, occ ang frac crs-v crs grs,tr whsh orgn liths,lse,unconc,tr mod hd aggs, fr inf & ti-v pr vis por,no fluor.

SILTSTONE:lt brnsh gry,grnsh gry, lt-med gry,mnr med rdsh brn,dk gry, arg,mnr aren,frm-pred mod hd-hd,v hd i/p,blky-sbfiss.

SURVEY @ 2486m: xxxxxx*

SILTSTONE:lt gry-med dk gry,lt orgnsh yel-lt orgn brn,aren,gd to v f SST,tr carb mat,frm-mod hd,hd i/p,sblbky,occ sbfiss.

SANDSTONE:clr,trnsi,frstd,f-med grs, mod wl srt,stg sil cmt,no vis mtx, tr sh frags,lse & cln,fr inf por, no fluor.

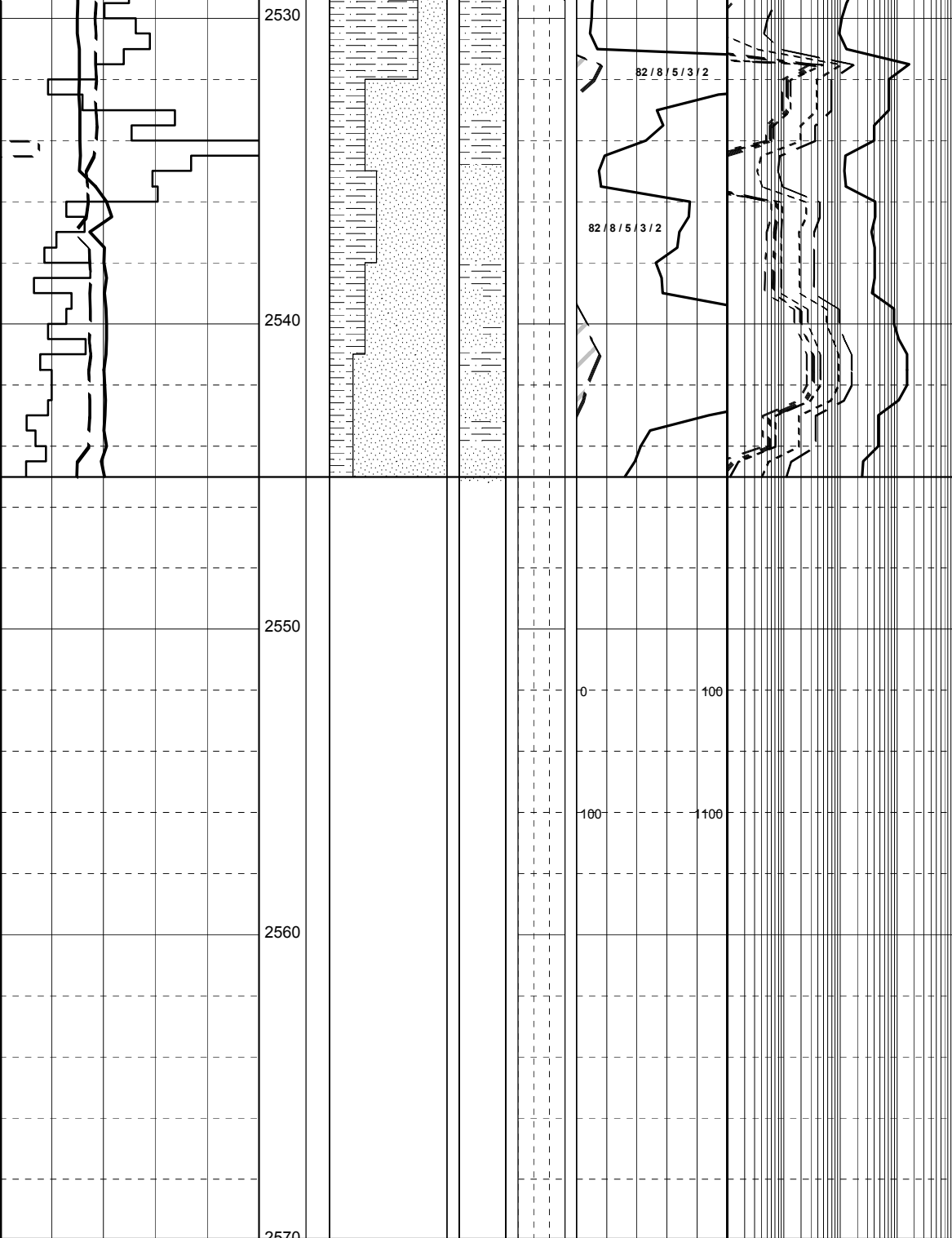
SILTSTONE:lt gry,grnsh gry,med gry i/p,mnr lt brn,pred aren,serg i/p,tr wk carb,glauc,chlor,tr-rr pyr nods, mnr micmic i/p,frm-mod hd,loc v hd i/p,tr-mnr disp,sbfiss-sblbky,mnr fiss i/p,slt amorph.

SILTSTONE:v lt gry,dk gry,tr lt brn, mnr pl grn,v arg,tr-loc mnr aren,disp, tr-mnr frm-mod hd,blky i/p,amorph.

SANDSTONE:pred clr,trnsi,frstd,mnr pl yel-pl yelsh brn,f-med grs,occ crs grs, mod wl srt,sbrnd,tr sbang-sbrnd,mod wk sil cmt,no vis mtx,lse & cln,fr inf por, no fluor.

SANDSTONE:lt yelsh grn-pl yel,clr-trnsi i/p dom med-crs grs,mnr f grs,sbang,wk sil cmt, no vis mtx,lse & cln,occ consol w/sil cmt,fr inf por,pr-fr vis por,no fluor.

SANDSTONE:dom lt yel-lt yelsh grn,lt yelsh orgn,dky yel,off wh,opq,pred f-med grs,mnr crs grs,mod wl srt,sbrnd,occ sbang,tr mod calc cmt,gen wk sil cmt.



no vis mtx, tr carb mat, lse & cln, fr inf por, no fluor.

SILTSTONE: lt grt-med gry, lt grnsh gry, tr lt brnsh yel-med brn, dom aren, mnr arg, com disse carb spks, com frm-mod hd, moc sft-disp, sbbkly-sbfiss, amorph.

SANDSTONE: clr-frstd, dsky wh, pl yel-pl yeksh brn, opa, pred med-crs grs, loc f grs, mod wl srt, sbang-sbrmd, wk sil cmt, no vis mtx, tr pyr nods, lse & cln, pr inf, no

SANDSTONE: trnsl, frstd, mlky, pl yel, pl grnsh grn, mnr clr, v pr srt, crs-v crs, mnr-tr med grs, ang-sbrmd, dom ang, v crs frac grs, mod-loc strg calc cmt, tr-rr wh arg mtx, mnr pyr nods, mnr pl grn & dk grnsh blk liths, lse, pr-loc gd por, tr min fluor, no cut.

CHILDERS COVE-1 REACHED TD @ 19:00 HRS ON 30-09-2005

DRILLER'S DEPTH: 2545m
LOGGER'S DEPTH: XXXXm

LOGGING RUNS:
RUN #1:
RUN #2: