

HALLIBURTON

Sperry Drilling

Formation Evaluation Log

Well :Maverick T463 A1



Scale 1:200

All Depth in Meters MDRT

WELL DATA

Operator Sweetpea Petroleum
Well name Maverick T463 A1
Country Australia
Well Location Northern Territory
Rig Ensign 970
Field Beetaloo Basin
Permit Number EP 136
Permanent Datum MSL
Log measured from Rotary Table
Drilling measured from Rotary Table
Spud Date & Time 17-9-2022 at 11:45hr

OPEN HOLE SIZE

17-1/2" 31.8m to 169m
12-1/4" 169m to 607m
8-3/4" 607m to 3050m

CASING SIZE

13-3/8" Csg at 168m
9-5/8" Csg at 604m
7-5/8" Csg at xxxxm

MUD TYPE

KCL PVA Polymer
Water w/ hi-vis sweeps

ABBREVIATIONS

Drilling Data

BG Background Gas
BHT Bottomhole Temp
C Carbide Lag check
CB Core Bit
CG Connection Gas
CKF Check For Flow
CO Circulate Out
DB Diamond Bit
DS Directional Survey
DST Drillstem Test
FLT Flowline Temp.
LAT Logged After Trip
NB New Bit
NR No Returns
PDC Polycrystalline Diamond
PR Compound Bit
RPM Partial Returns
RPM Revs Per Minute
RRB Rerun Bit
STG STG
TB Turbo Drill
TG Trip Gas
U Gas Units
WOB Weight On Bit

Mud Data

CI Chloride Ion Con
FC Filter Cake
FL Filter Loss
G Gels
pH Hydrogen Ion Content
PV Plastic Viscosity
Rm Mud Resistivity
Rmf Filter Resistivity
S Solids Content
Vis Funnel Viscosity
MW Mud Weight
YP Yield Point

ELEVATION & CO-ORDINATES

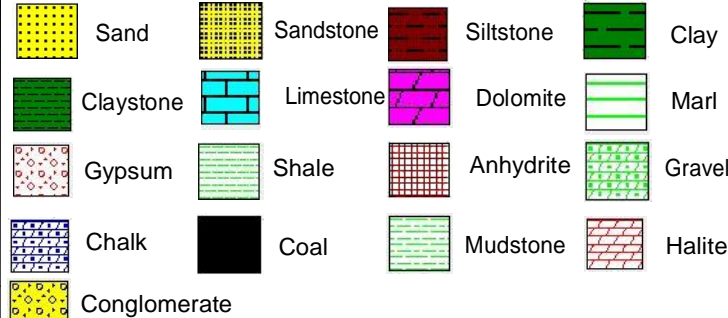
Elevation:

Rotary Table : 280m AHD
Ground level : 272.85m AHD

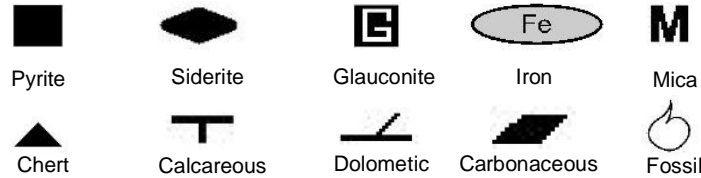
Well Coordinates:

Latitude : 16° 31' 1.270" S
Longitude : 134° 30' 53.354" E
Easting : 448224.96
Northing : 8173811.09

LITHOLOGY



ACCESSORY



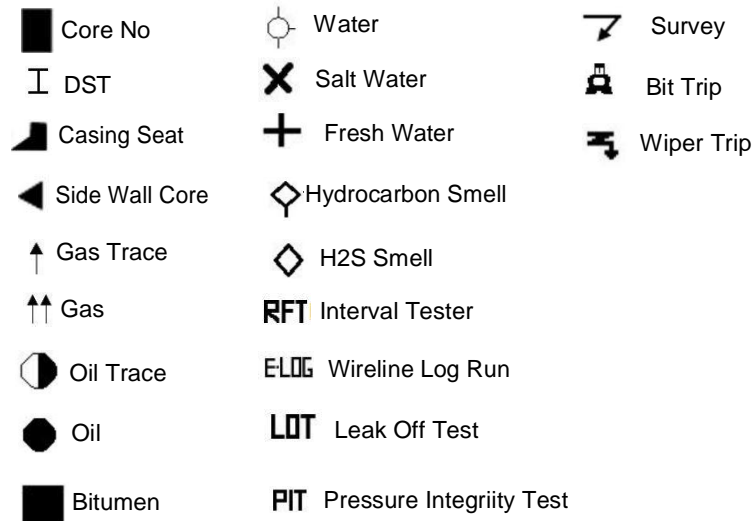
GEOLOGICAL SAMPLING

Depth Logged: 31.8m to xxm

Date Logged : 17-09-2022 to xx-xx-2022

Sampling : 10m F/ 31m T/ xxxxm
Rate

ENGINEERING DATA



CREW MEMBERS

WSG's: Manuel Ortiz
Data Engineers: Ahmed Abdelghani
Atta Buriro
Bilal Manzoor
Mudloggers: Sulabh Khatri
Yenny Nino Fuentes

Lithology Descriptions

Comments / Remarks

20" conductor @ 31.8m.

Drill 17-1/2" hole with
KCL PVA Polymer Mud
riserless

WOB: 4- 7 klb
SPP: 30 - 210 psi
FLOW: 200 - 250 GPM
RPM: 20 - 30

Gas detection equipment
offline

Maverick T463 A1 spudded on
17th Sept 2022 at 11:45hrs.

NB# - 17 ½"
ULTERRA Bit Shoe - s/n 5319875
Jets 8 x 12 / TFA 0.884in2
In: 31.8m, Out:169 m
Run: 137.2m, Hrs: 25.1
Cond: Left In Hole (Bit Shoe)

CLAYSTONE: pl yelsh brn, occ yel gry, sft - pred frm, plas
i/p, occ disp, stky i/p, sbblky.

SILTSTONE: yelsh org, dk rdsh brn,frm-mod hd, occ hd,
ang-sb ang, blkly frag, sli arg.

CLAYSTONE: pl yelsh brn, sft - pred frm, plas i/p, occ disp
stky i/p, sbblky.

SILTSTONE: med-pred dk gry,frm-mod hd, occ hd, occ sft,
sbblky, occ blkly, sli arg, r pyr nod.

SILTSTONE:pl yelsh brn, dk rdsh brn, frm-mod hd, occ hd,
occ sft, sbblky, occ blkly, sli arg, r pyr nod.

SILTSTONE: med-dk gry, frm-mod hd, occ sft, sbblky, occ
blkly, sltly arg, v fnly aren i/p, loc tr carb spks, r pyr nods.

SILTSTONE: med-prd dk gry, frm-mod hd, sft i/p, sbblky,
occ blkly, sltly arg, com v fnly aren, loc tr carb spks, loc r
glauc, r pyr nods.

SILTSTONE: med-dk gry, frm-mod hd, sft i/p, sbblky, occ
blkly, sltly arg, com v fnly aren, micmic, mn-r-locly abdt f rn
glauc incs, tr carb spks, r pyr nods.

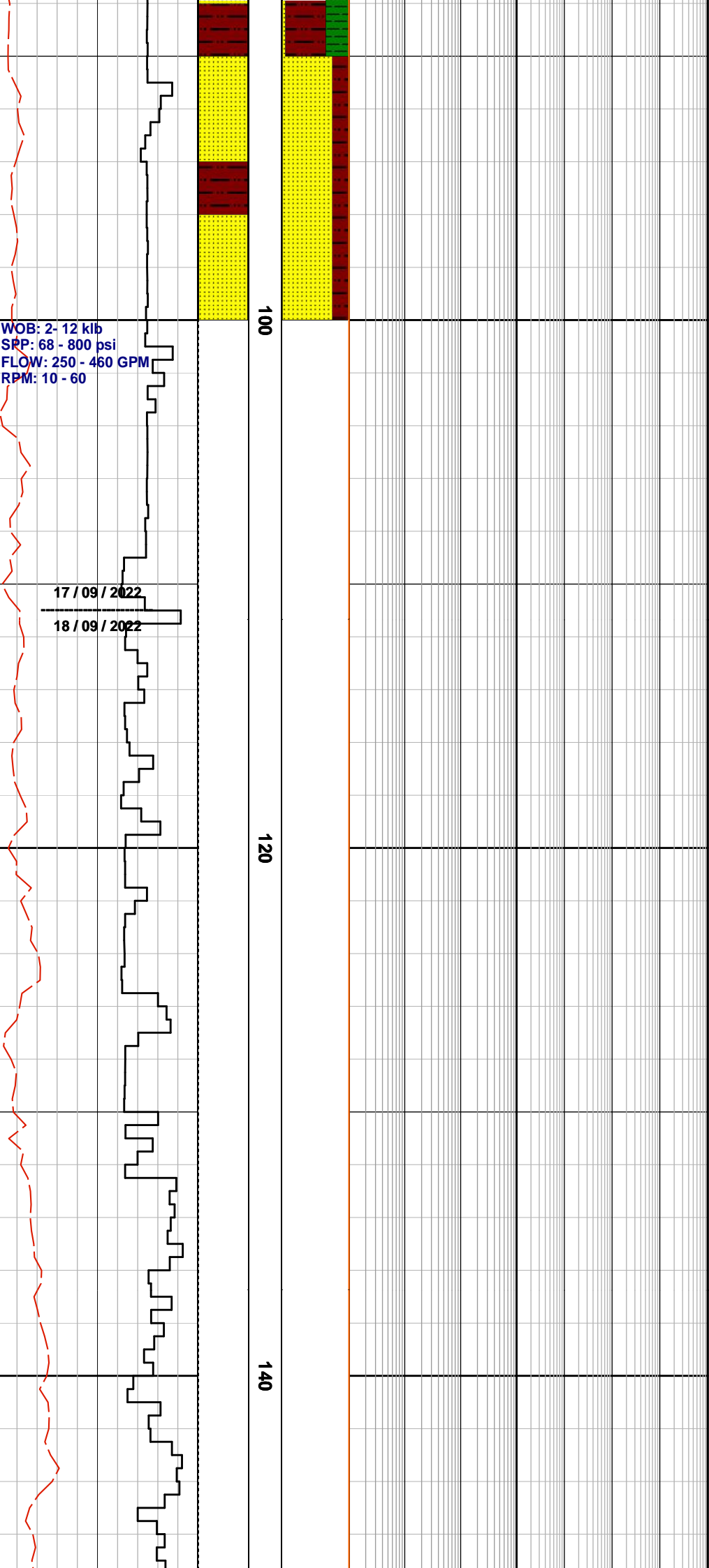
SILTSTONE: med-dk gry, frm-mod hd, sft i/p, sbblky, occ
blkly, sltly arg, com v fnly aren, micmic, mn-r-locly abdt f rn
glauc incs, tr carb spks, r pyr nods.

CLAYSTONE: dsky yelsh grn, dsky grn, sft-frm, disp, stky,
com-abdt glauc grns, com pyr nods,

Anthony Lagoon 83.0mMDRT, (+197mSS)

CLAYSTONE: mod olv brn, mod yel, dsky yel, tr dsky yelsh
org, sft-frm, disp, stky, f qtz & lith incs.

SANDSTONE: yelsh gry, trnsl, mod yel, vf-f, sb-rnd-rnd, occ
sbang, wl srt, mn-r-com lith, unconsol, gd inf por.



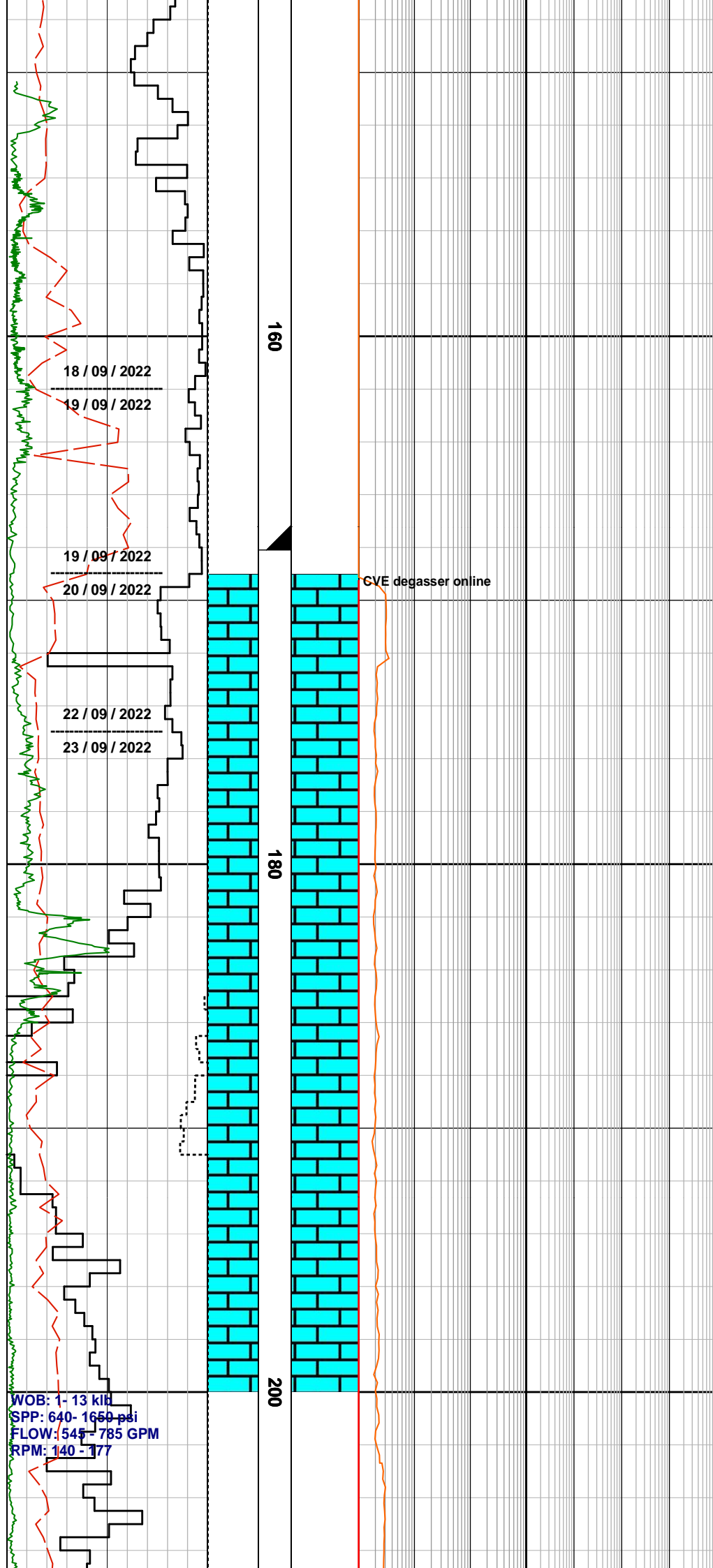
SILTSTONE: med-dk gry, frm-mod hd, sft i/p, sbblky, occ blky, sltly arg, com v fnly aren, micmic, mnr-locly abdt f rn glauc incis, tr carb spks, r pyr nods.

SANDSTONE: mod yelsh orng, tr dk yelsh orng, lt brn, vf sbrnd-rnd, wl srt, wk-com mod sil cmt, v calc cmt i/p, com trnsl lt gry crs ang qtzt frags, mod hd aggs, pr vis por, no fluor.

SILTSTONE: mod brn, mod rdsh brn, tr dk gry, mod hd-hd, mod sil whr brn, micmic whr gry, com f-med glauc grns.

Partial losses from 99m - Total losses from 101m, Drill with water

Gum Ridge Formation 129mMDRT (+151.0mSS)



NB#1 12 ¼"
Baker Tricone - s/n 5323848
Jets 1 x 14 + 3 x 16 / TFA 0.7394in2
In: 169m, Out:172 m
Run: 3m, Hrs: 0.4
Cond: 2-4-WT-A-E-I-BT-BHA

17-1/2" hole section TD at 169m

LIMESTONE: grysh orng, v pl orng, grysh orng pk, microxln, tr cryptoxln, hd-v hd, sbblky-blky.

Partial losses from 172m. Drill with water and hi-vis sweeps to 175m riserless. POOH to run directional BHA.

NB#2 12 ¼"
Smith PDC - s/n QF6367
Jets 6 x 15 / TFA 1.0354in2
In: 172m, Out:607 m
Run: 435m, Hrs: 16.2
Cond: 3-3-BT-A-X-I-CT-TD

LIMESTONE: v pl orng, grysh orng, microxln-occ cryptoxln, hd-v hd, sbblky-blky.

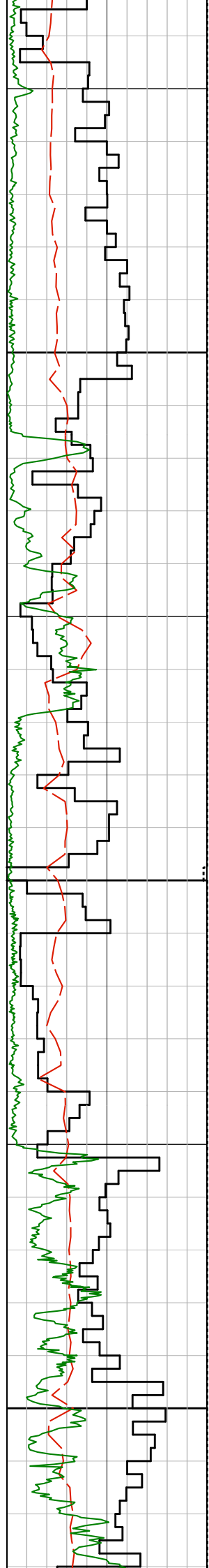
MD 186.83m
TVD 186.82m

Inc 0.97°
Azi 62.38°

LIMESTONE: dk yelsh orng, pl yelsh orng, grysh orng, tr v lt gry, microxln, occ cryptoxln, hd-v hd, sbblky-blky.

Total losses from 202m. Drill 12-1/4" hole with water and hi-vis sweeps riserless.

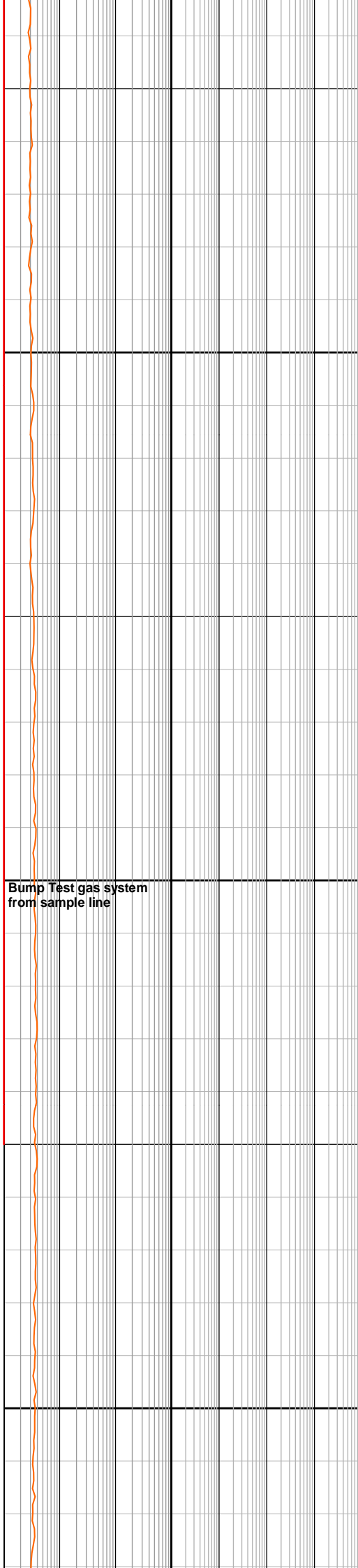
WOB: 1-13 klf
SPP: 640-1650 psi
FLOW: 545-785 GPM
RPM: 140-177



220

240

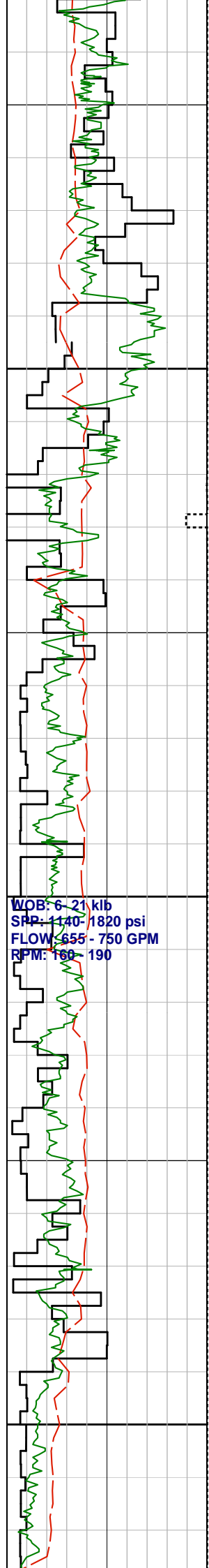
260



Bump Test gas system
from sample line

Drill with water and hi-vis sweeps.

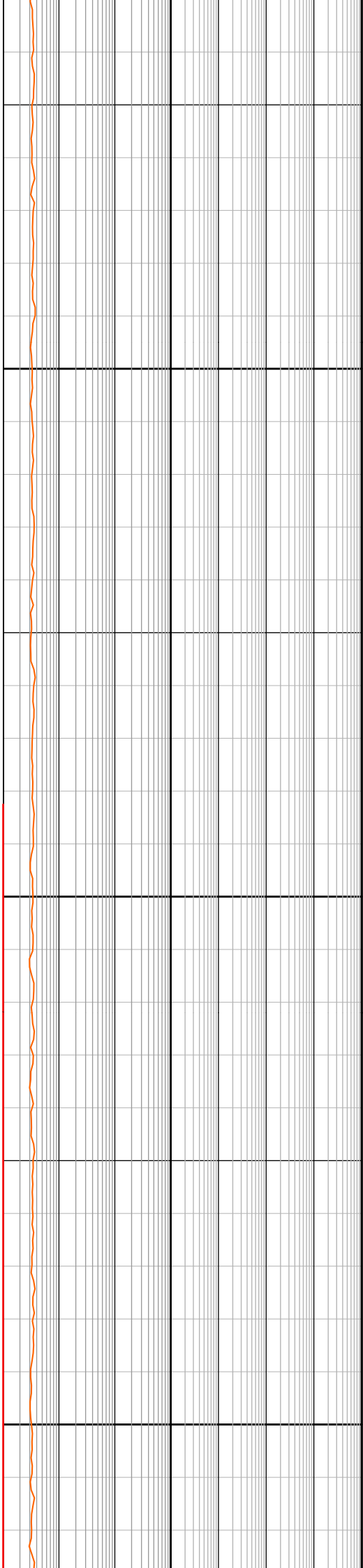
Inacumba Unit 250.5mMDRT (+29.5mSS)



280

300

320



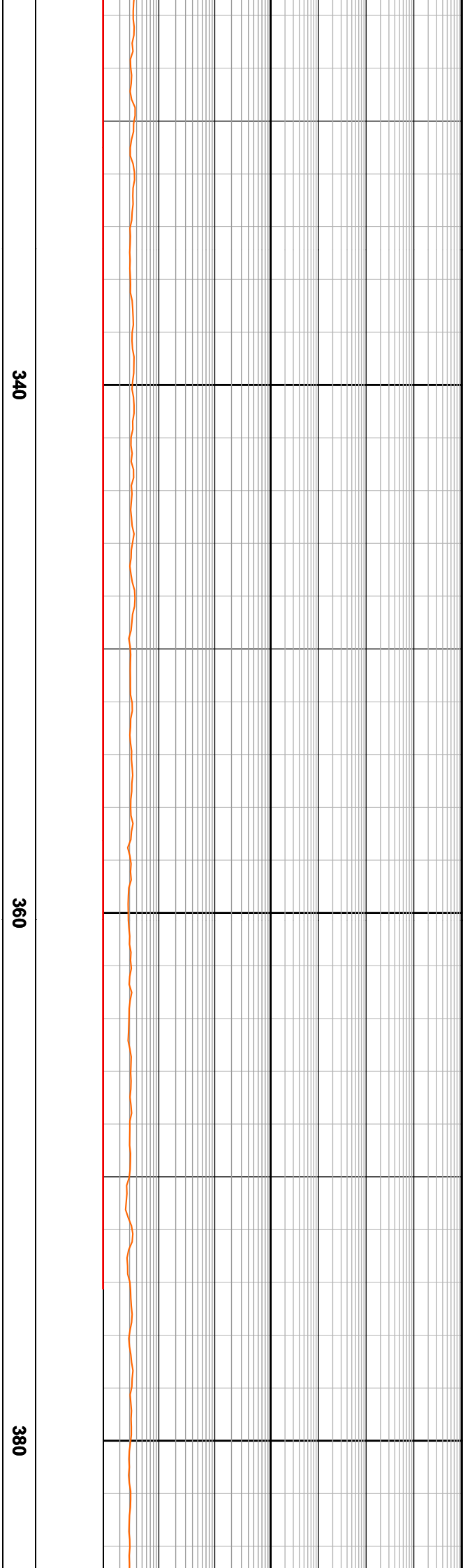
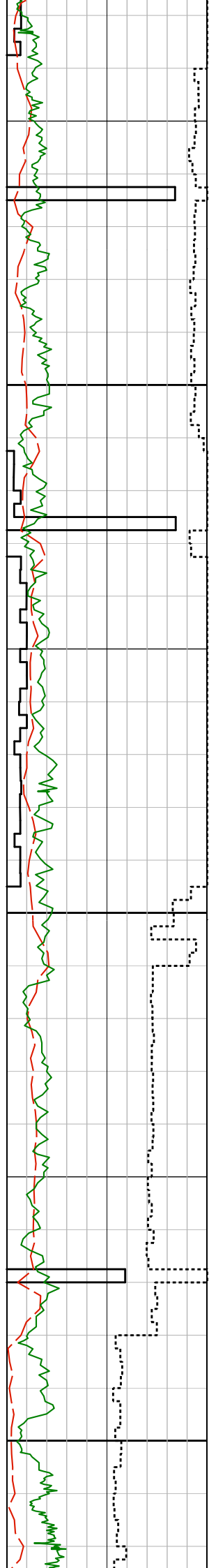
MD 270.62m
TVD 270.60m

Inc 0.79°
Azi 35.11°

MD 299.33m
TVD 299.31m

Inc 0.65°
Azi 29.37°

Drill with water and hi-vis sweeps.



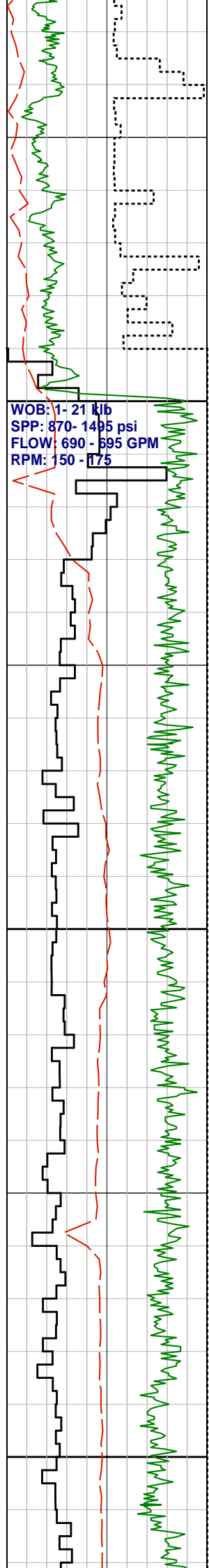
MD 328.06m
TVD 328.04m

Inc 0.89°
Azi 37.34°

Drill with water and hi-vis sweeps.

MD 356.71m
TVD 356.68m

Inc 1.00°
Azi 39.43°

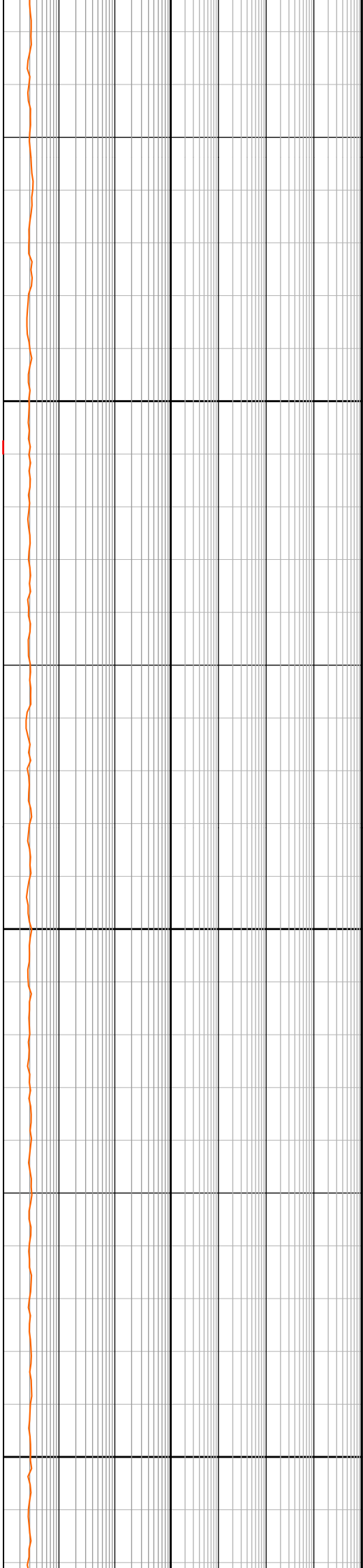


WOB: 1- 21 klb
SPP: 870- 1495 psi
FLOW: 690 - 695 GPM
RPM: 150 - 175

400

420

440



MD 385.40m
TVD 385.37m

Inc 0.87°
Azi 24.57°

Cox Formation 399.5mMDRT (-119.5mSS)

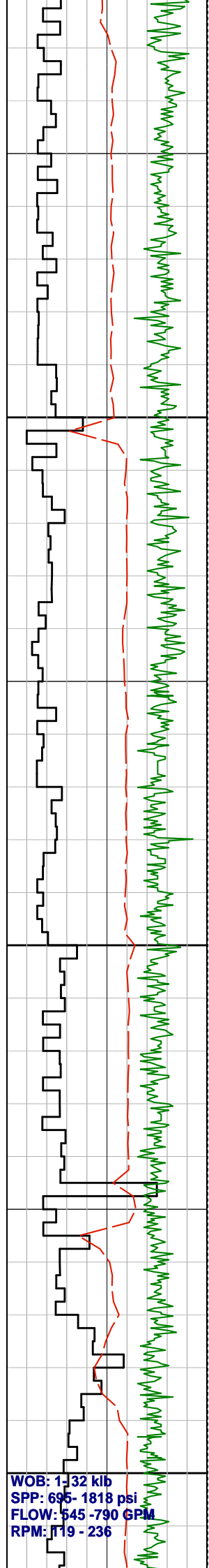
Drill with water and hi-vis sweeps.

MD 414.16m
TVD 414.13m

Inc 0.55°
Azi 55.89°

MD 443.06m
TVD 443.02m

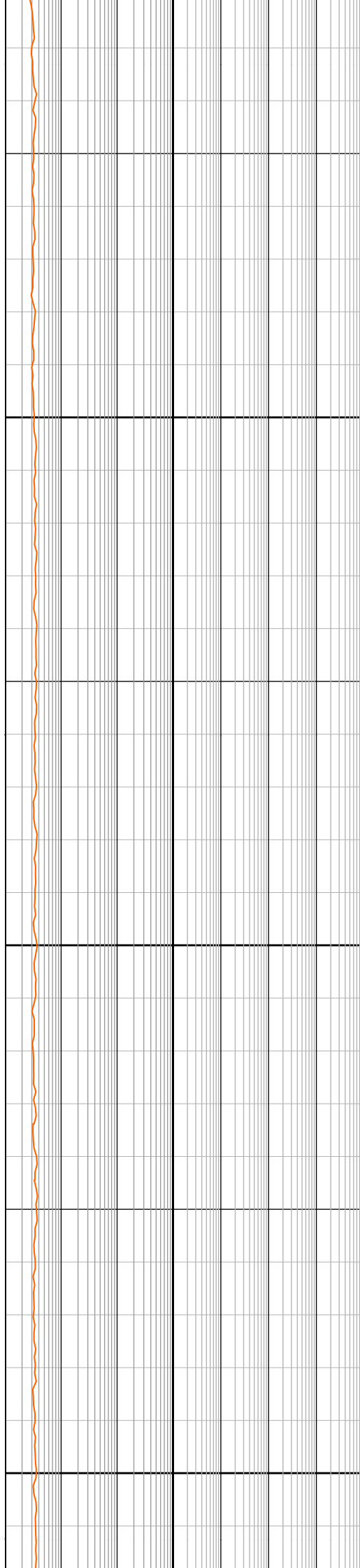
Inc 0.73°
Azi 40.42°



460

480

500



Drill with water and hi-vis sweeps.

MD 471.73m
TVD 471.69m

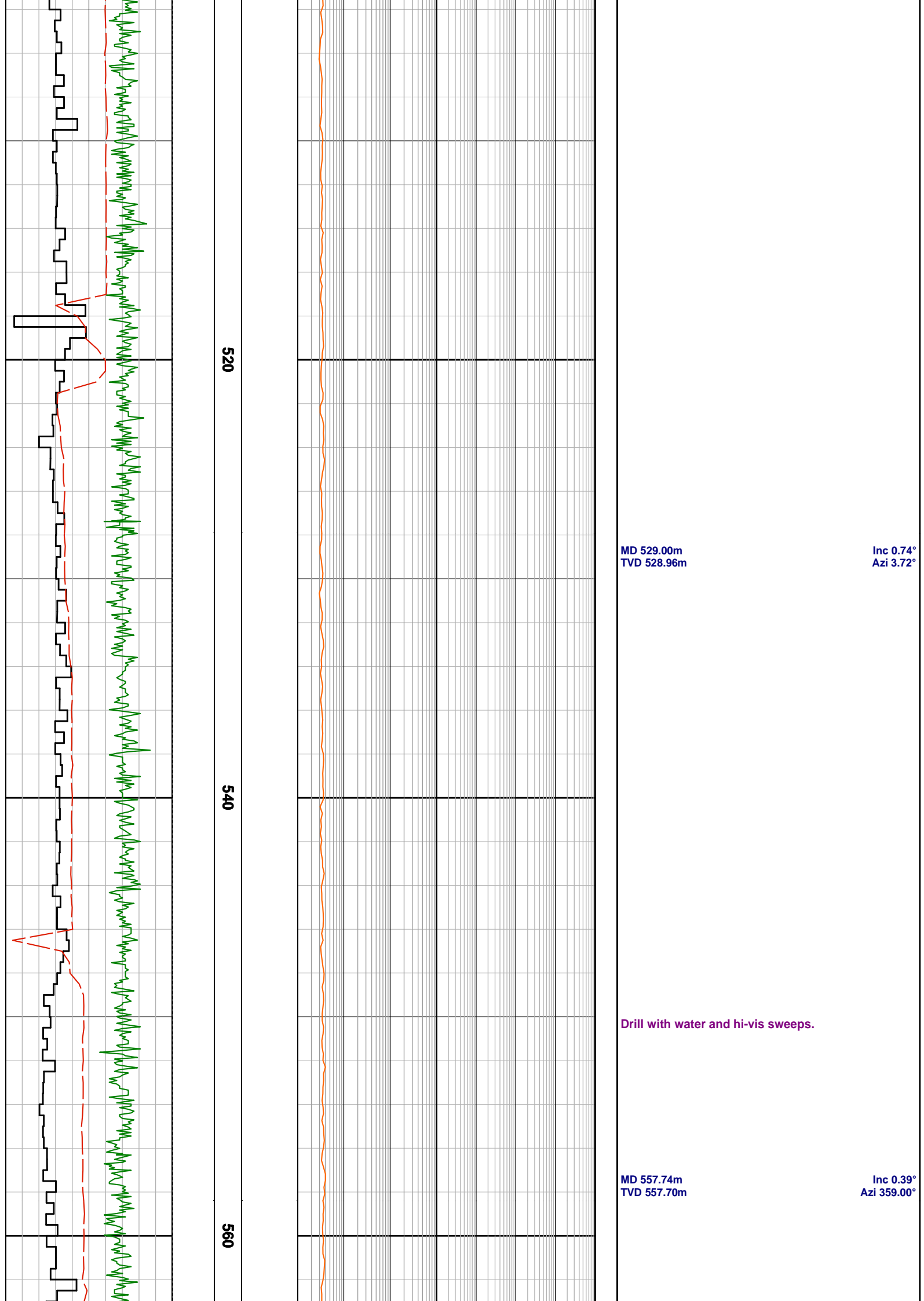
Inc 0.75°
Azi 26.26°

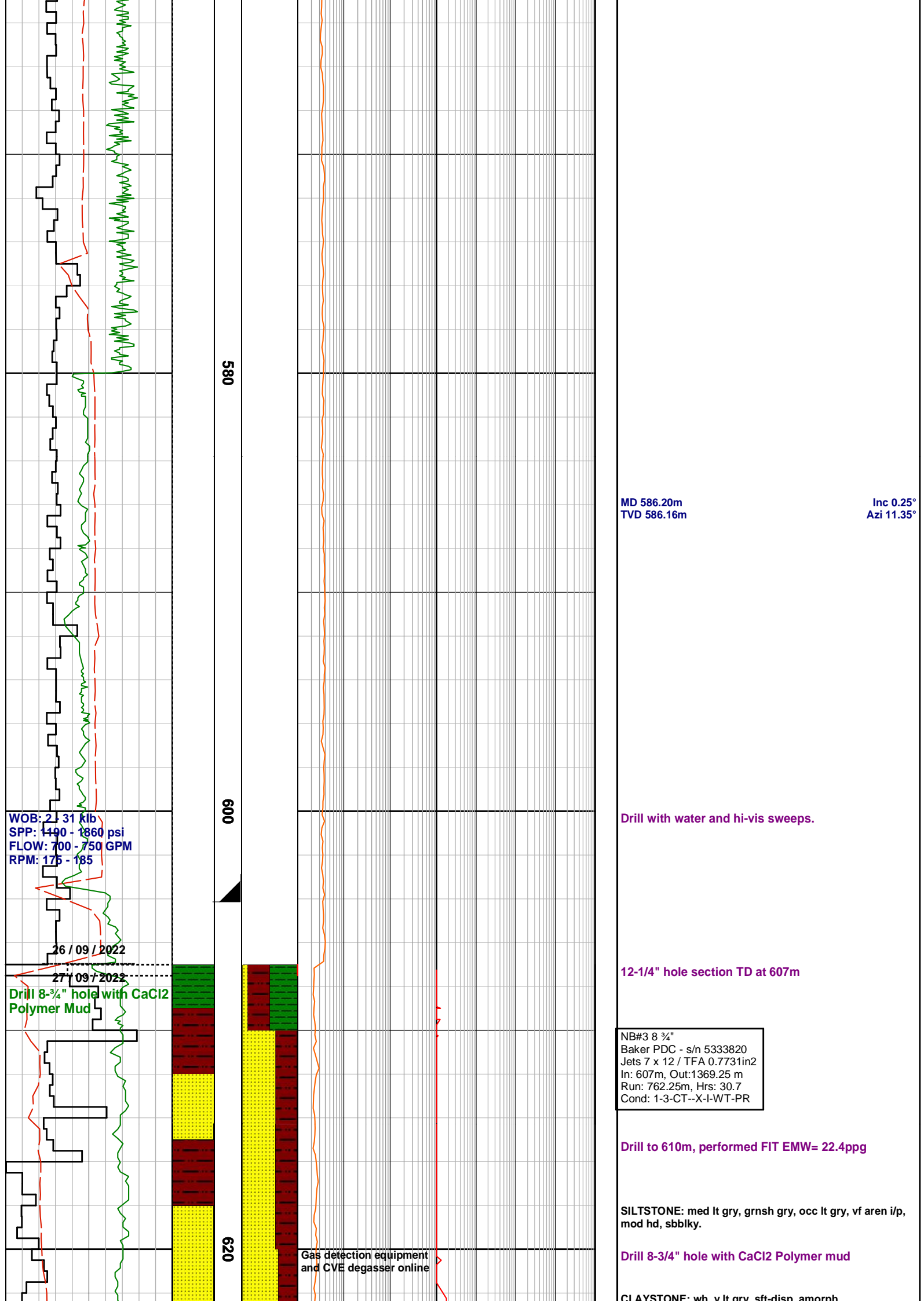
MD 500.38m
TVD 500.34m

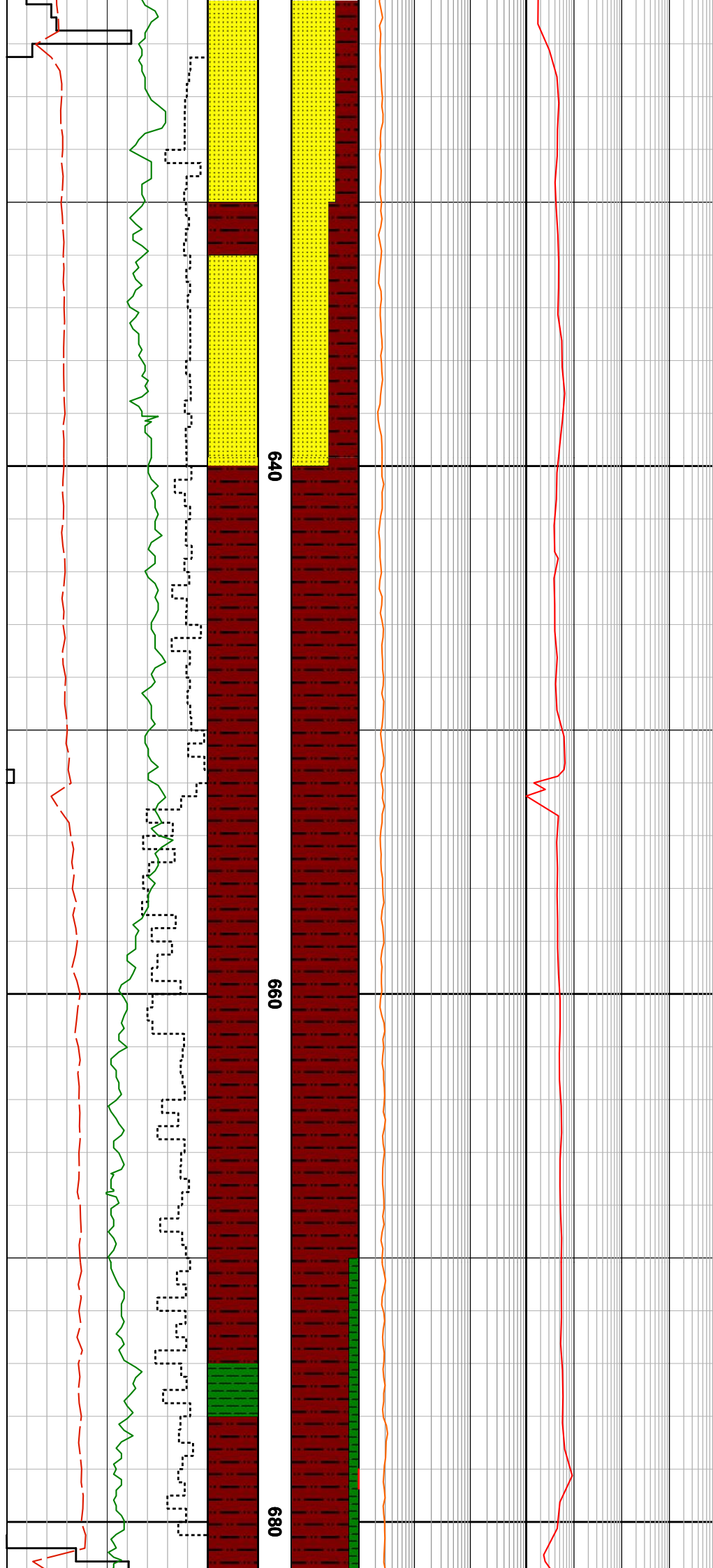
Inc 0.50°
Azi 13.96°

Drill with water and hi-vis sweeps.

WOB: 1-32 kib
SPP: 695-1818 psi
FLOW: 545-790 GPM
RPM: 119-236







SANDSTONE: v lt gry, lt gry, vf, tr f, sbrnd-rnd, wl srt, wk-mod sil cmt, tr wh arg mtx, SLTY mtx i/p, f Musc flks i/p, glauc inclis i/p, tr lith i/p, fri-prd mod hd aggs, v pr vis por, no fluor.

SILTSTONE: med lt gry, med gry, mod arg, v fnly aren i/p, com micmic, mod hd, sbbly.

SANDSTONE: v lt gry, lt gry, vf, tr f, sbrnd-rnd, wl srt, wk-mod sil cmt, tr wh arg mtx, SLTY mtx i/p, f Musc flks i/p, com f glauc inclis i/p, tr lith i/p, fri-prd mod hd aggs, v pr vis por, no fluor.

MD 640.96m
TVD 640.92m

Inc 0.50°
Azi 244.87°

SILTSTONE: grnsh gry, com micmic, locly sltly arg, abdt v fnly aren i/p grd-SST, tr dk grn-blk lith, mod hd, sbbly.

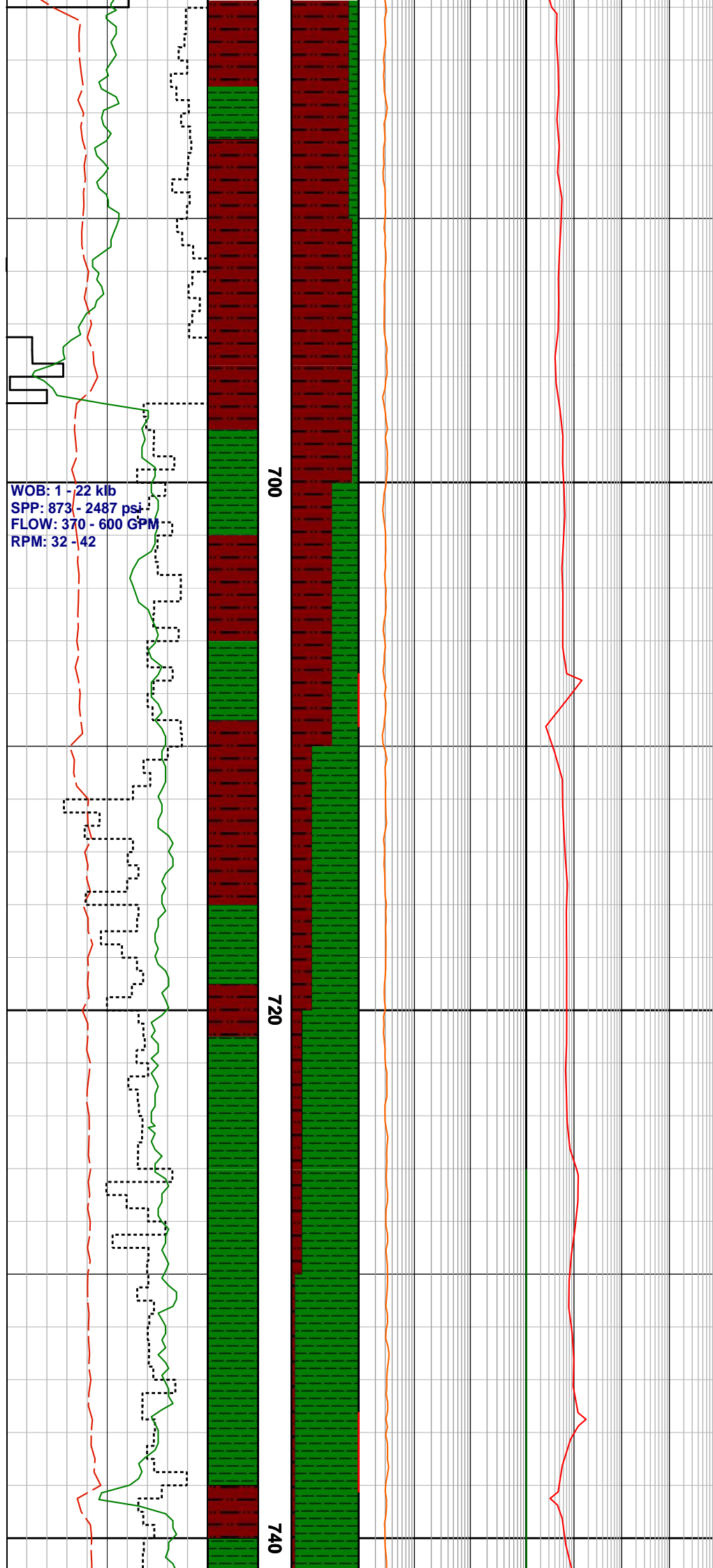
SILTSTONE: mod-dk rdsh brn, tr dsky rd, locly micmic, v fnly aren inclis i/p, mod hd, sbbly.

SILTSTONE: mod-dk rdsh brn, locly micmic, frm-mod hd, occ sft, sbbly, tr amorph.

MD 669.63m
TVD 669.59m

Inc 0.56°
Azi 233.26°

SILTSTONE: mod-dk rdsh brn, locly micmic, frm-mod hd, occ sft, sbbly, tr amorph.



CLAYSTONE: lt grnsh gry, grnsh gry, frm-mod hd, occ sft, sbblky,

SILTSTONE: mod-dk rdsh brn, bcm mod arg, locly micmic, frm-mod hd, occ sft, sbblky, tr amorph.

MD 698.27m
TVD 698.22m

Inc 0.68°
Azi 235.86°

CLAYSTONE: lt grnsh gry, grnsh gry, sltly sil, frm-mod hd, occ sft, sbblky, occ blk.

SILTSTONE: mod-dk rdsh brn, mod arg, locly micmic, frm-mod hd, occ sft, sbblky, tr blk.

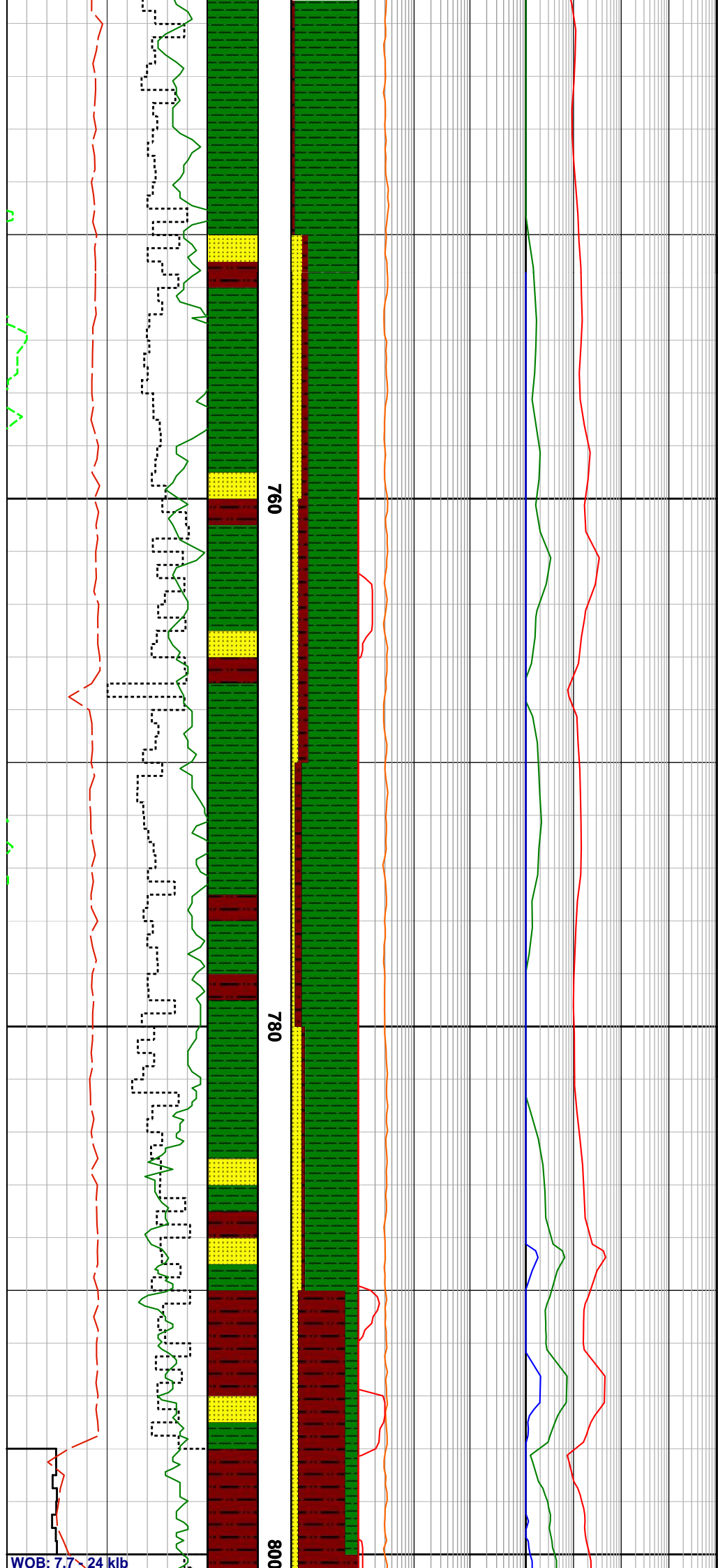
CLAYSTONE: lt grnsh gry, grnsh gry, sltly sil, frm-mod hd, occ sft, sbblky, occ sbfiss.

MD 726.99m
TVD 726.94m

Inc 0.96°
Azi 226.77°

SILTSTONE: mod-dk rdsh brn, tr v dsky rd, mod arg, frm-mod hd, occ sft, sbblky, tr blk, tr sbfiss wh v dsky rd.

CLAYSTONE: lt grnsh gry, grnsh gry, sltly sil i/p, frm-mod hd, tr sft i/p, sbblky, occ sbfiss.



SANDSTONE: yelsh gry, v lt gry, lt gry, vf, tr f, sbrnd-rnd, w srt, wk-mod sil cmt, mod wh arg mtx, tr f dk grn inclis i/p, brit-mod hd aggs, v pr vis por, no fluor.

Hayfield Mudstone 752.5mMDRT (-472.4mSS)

MD 755.63m
TVD 755.58m

Inc 0.78°
Azi 218.29°

SILTSTONE: mod-dk rdsh brn, tr v dsky rd, mod arg, frm-mod hd, occ sft, sbblky, tr blk, tr sbfiss wh v dsky rd.

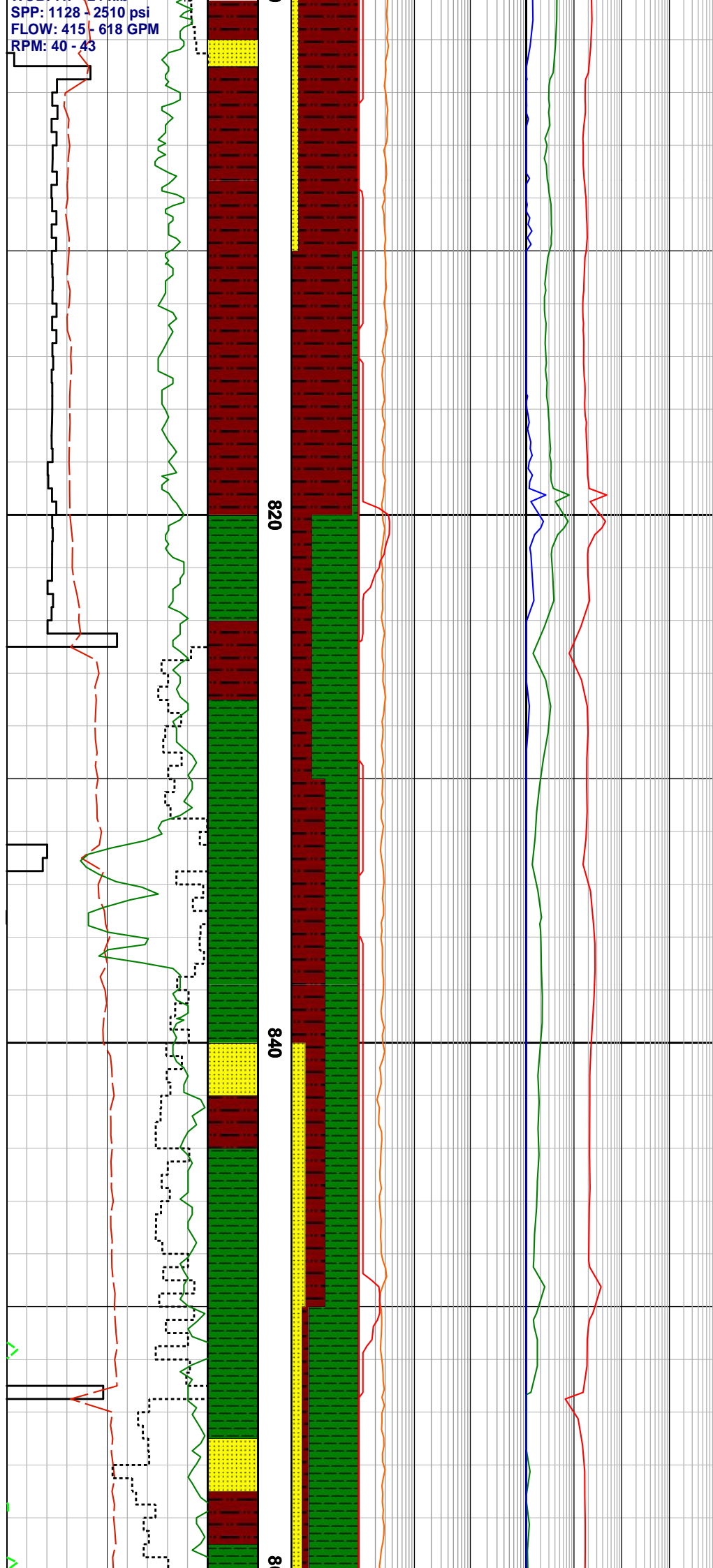
CLAYSTONE: lt grnsh gry, grnsh gry, sltly sil i/p, frm-mod hd, tr sft i/p, sbblky, occ sbfiss.

SILTSTONE: mod-dk rdsh brn, tr v dsky rd, mod arg, frm-mod hd, occ sft, sbblky, tr blk, tr sbfiss wh v dsky rd.

SANDSTONE: yelsh gry, v lt gry, lt gry, vf, tr f, sbrnd-rnd, w srt, wk-mod sil cmt, mod wh arg mtx, tr f dk grn inclis i/p, brit-mod hd aggs, v pr vis por, no fluor.

SILTSTONE: lt olv gry, olv gry, tr mod-dk rdsh brn, mod arg, locly v arg grd-SLTY Clst, mod hd, sbblky, occ sbfiss.

SPP: 1128 - 2510 psi
FLOW: 415 - 618 GPM
RPM: 40 - 43



SILTSTONE: lt olv gry, olv gry, occ mod-dk rdsh brn, mod arg, frm-mod hd, occ sft, sbblky, tr sbfiss.

CLAYSTONE: lt grnsh gry, grnsh gry, lt olv gry, olv gry, slt SLTY i/p, sltly sil i/p, micmicaceous i/p, frm-mod hd, sbblky, occ sbfiss.

MD 813.04m
TVD 812.98m

Inc 0.98°
Azi 218.69°

SILTSTONE: lt olv gry, olv gry, occ mod-dk rdsh brn, mod arg, frm-mod hd, occ sft, sbblky, tr sbfiss.

CLAYSTONE: lt grnsh gry, grnsh gry, lt olv gry, olv gry, slt SLTY i/p, sltly sil i/p, micmicaceous i/p, frm-mod hd, sbblky, occ sbfiss.

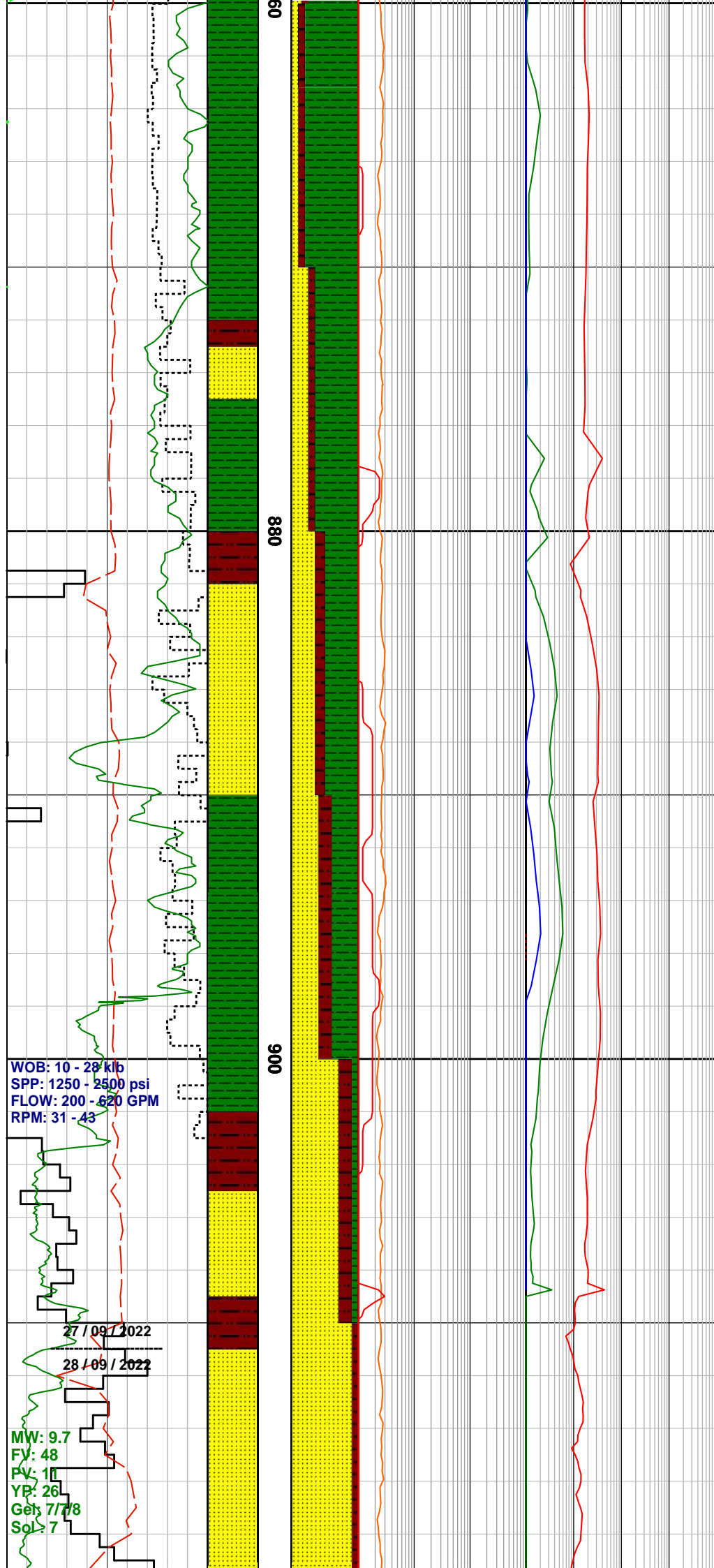
SILTSTONE: lt olv gry, olv gry, tr mod-dk rdsh brn, mod arg, micmic i/p, frm-mod hd, occ sft, sbblky, tr sbfiss.

MD 841.97m
TVD 841.91m

Inc 1.10°
Azi 225.80°

SANDSTONE: yelsh gry, occ v lt gry, wh i/p, vf, wl srt, sbrnd-rnd, strg sil cmt, mnr off wh arg mtx, tr lith, mod hd-hd, nil vis por, no fluor.

LIMESTONE: tr, lt brn, cryptoxln, mod hd-hd, sbblky-blky.



CLAYSTONE: lt grnsh gry, grnsh gry, lt olv gry, olv gry, slt SLTY i/p, sltly sil i/p, micmic i/p, frm-mod hd, sbblky, occ sbfiss.

MD 870.44m
TVD 870.37m

Inc 1.16°
Azi 222.63°

CLAYSTONE: lt grnsh gry, grnsh gry, lt olv gry, olv gry, slt SLTY i/p, sltly sil i/p, micmic i/p, frm-mod hd, sbblky, occ sbfiss.

SANDSTONE: yelsh gry, occ v lt gry, lt olv gry, vf, wl srt, sbrnd-rnd, strg sil cmt, mnf off wh arg mtx, SLTY mtx i/p, tr lith, mod hd-hd, nil vis por, no fluor.

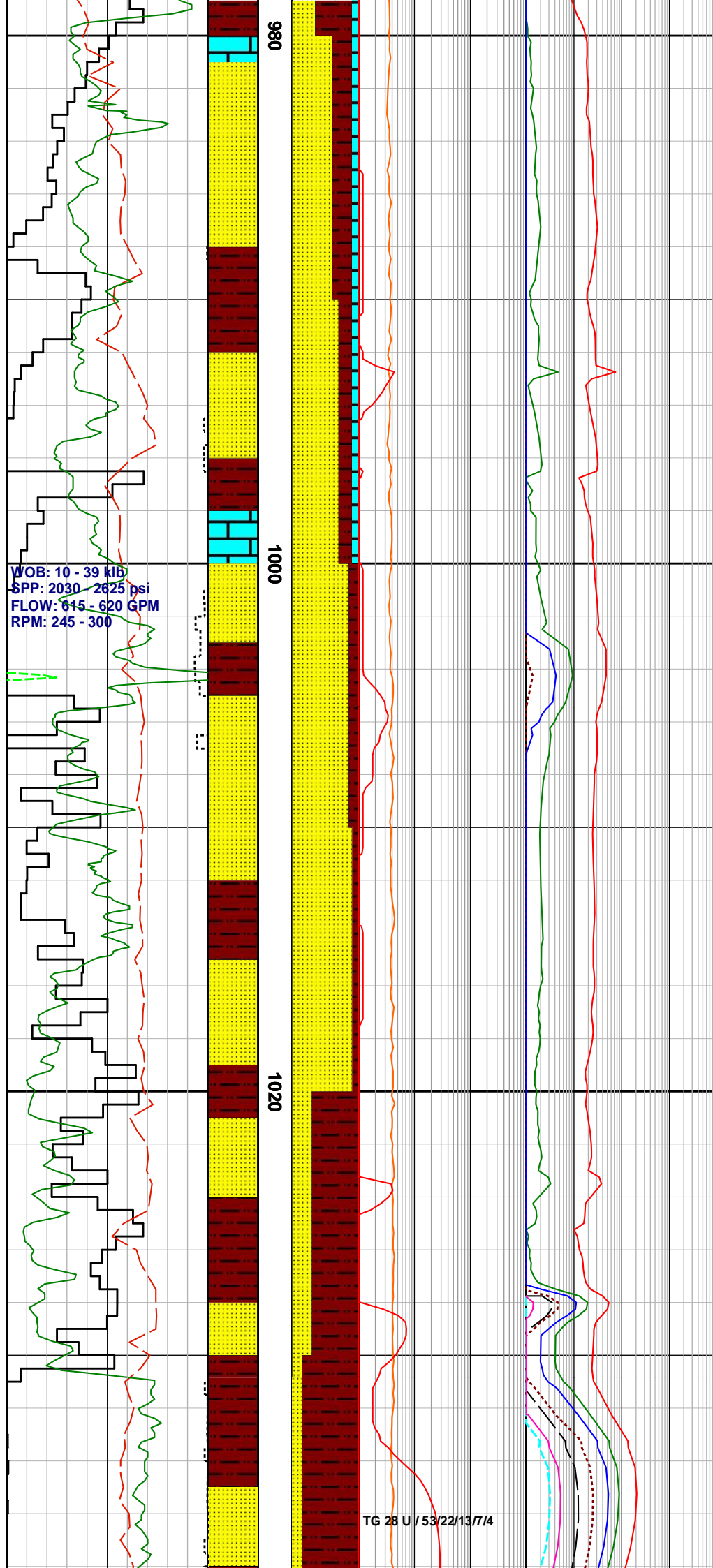
SILTSTONE: lt olv gry, olv gry, tr mod-dk rdsh brn, mod arg, micmic i/p, frm-mod hd, occ sft, sbblky, tr sbfiss.

CLAYSTONE: lt grnsh gry, grnsh gry, lt olv gry, olv gry, slt SLTY i/p, sltly sil i/p, micmic i/p, frm-mod hd, sbblky, occ sbfiss.

Bukalara/Jamison Sandstone 905mMDRT (-624.9mSS)

SANDSTONE: wh, yelsh gry, trnsl, f, occ med, tr crs, mod-wl srt, sbang-sbrnd, mod-strg sil cmt, wk calc cmt i/p mnf wh arg mtx, tr lith, mod hd-hd aggs, mnf disaggs, v pr vis por, pr-fr inf por, no fluor.

SILTSTONE: grysh brn, occ mod-dsky brn, micmic, tr carb spks, mod hd-hd, sbfiss, occ sbblky.



v arg wh grnsh gry, tr carb spks, mod hd-hd, sbfiss, occ sbbiky.

MD 985.36m
TVD 985.26m

Inc 1.27°
Azi 213.13°

LIMESTONE: pl-dk yelsh orng, v pl orng, lt brn, cryptoxln, occ microxln, vf qtz incls i/p, mod hd-hd, sbbiky-blky.

SANDSTONE: yelsh gry, wh, r v pl orng, f in aggs, f-med lse grns, tr crs, wl srt in aggs, mod srt wh disaggd, sbang-sbrnd, wk-mod sil cmt, mnr wh arg mtx, mod hd-hd aggs, disaggd, pr vis por, fr inf por, no fluor.

SILTSTONE: lt gry, occ grnsh gry & brnsh gry, micmicaceous, mod arg, v arg wh grnsh gry, tr carb spks, mod hd-hd, sbfiss, occ sbbiky.

LIMESTONE: pl yelsh orng, v pl orng, lt brn, cryptoxln, occ microxln, vf qtz incls i/p, mod hd-hd, sbbiky-blky.

MD 1014.03m
TVD 1013.93m

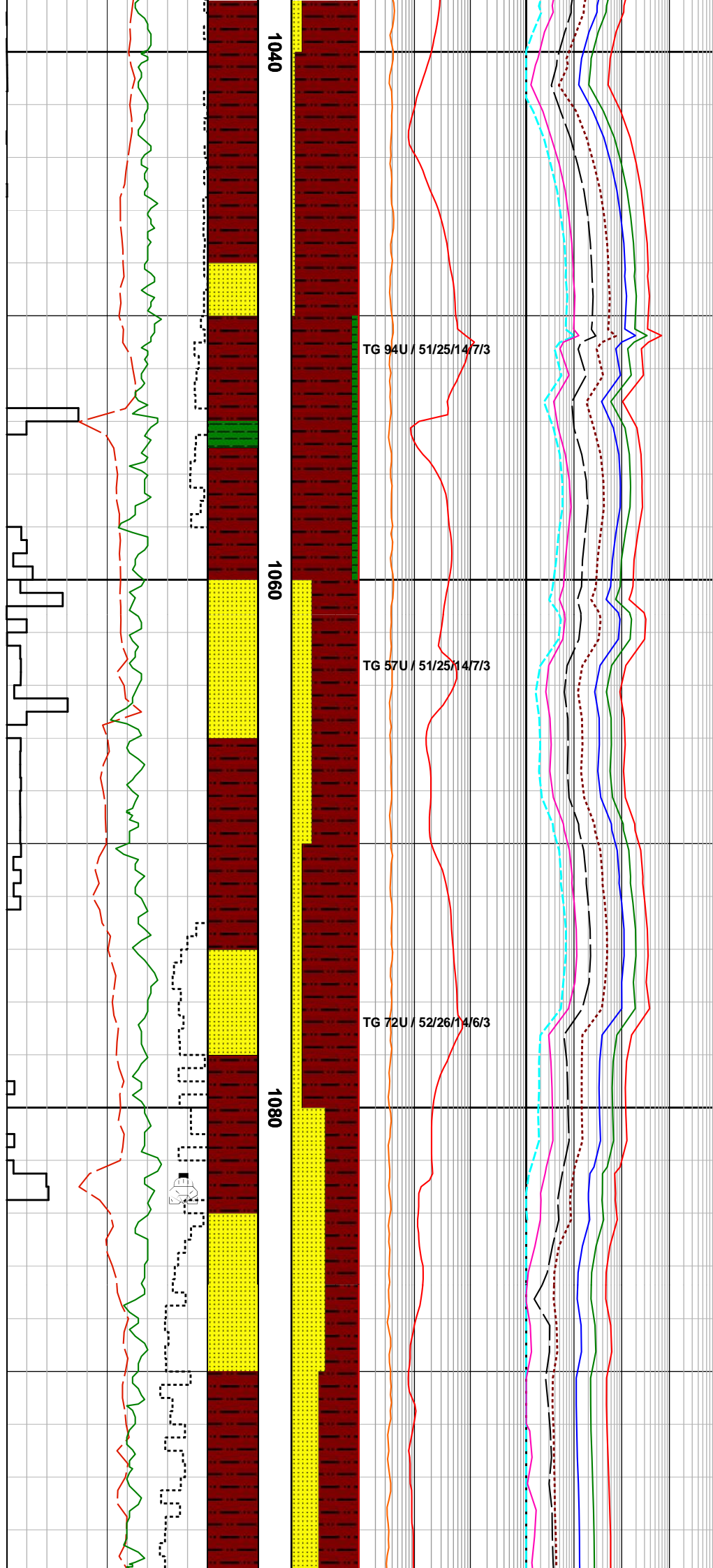
Inc 1.52°
Azi 208.80°

SANDSTONE: yelsh gry, wh, trnsp-trnsl, f in aggs, f-med lse grns, wl srt in aggs, mod srt wh disaggd, sbang-sbrnd, wk-mod sil cmt, mnr wh arg mtx, mod hd-hd aggs, disaggd, pr vis por, fr inf por, no fluor.

SILTSTONE: lt gry, com grnsh gry, micmicaceous, mod arg, v arg wh grnsh gry grd-clst, tr carb spks, mod hd-hd, sbfiss, occ sbbiky.

Kyalla Formation 1030.5mMDRT (-750.4mSS)

SILTSTONE: med lt gry, lt olv gry, olv gry, mnr grnsh gry, occ dk gry, micmicaceous, mod arg, v arg wh grnsh gry grd-clst, tr carb spks, mod hd-hd, sbfiss, occ sbbiky.



MD 1042.70m
TVD 1042.59m

Inc 1.48°
Azi 219.75°

CLAYSTONE: grnsh gry, lt gry, SLTY i/p, occ micmicaceous
mod hd, sbfiss-sbblky.

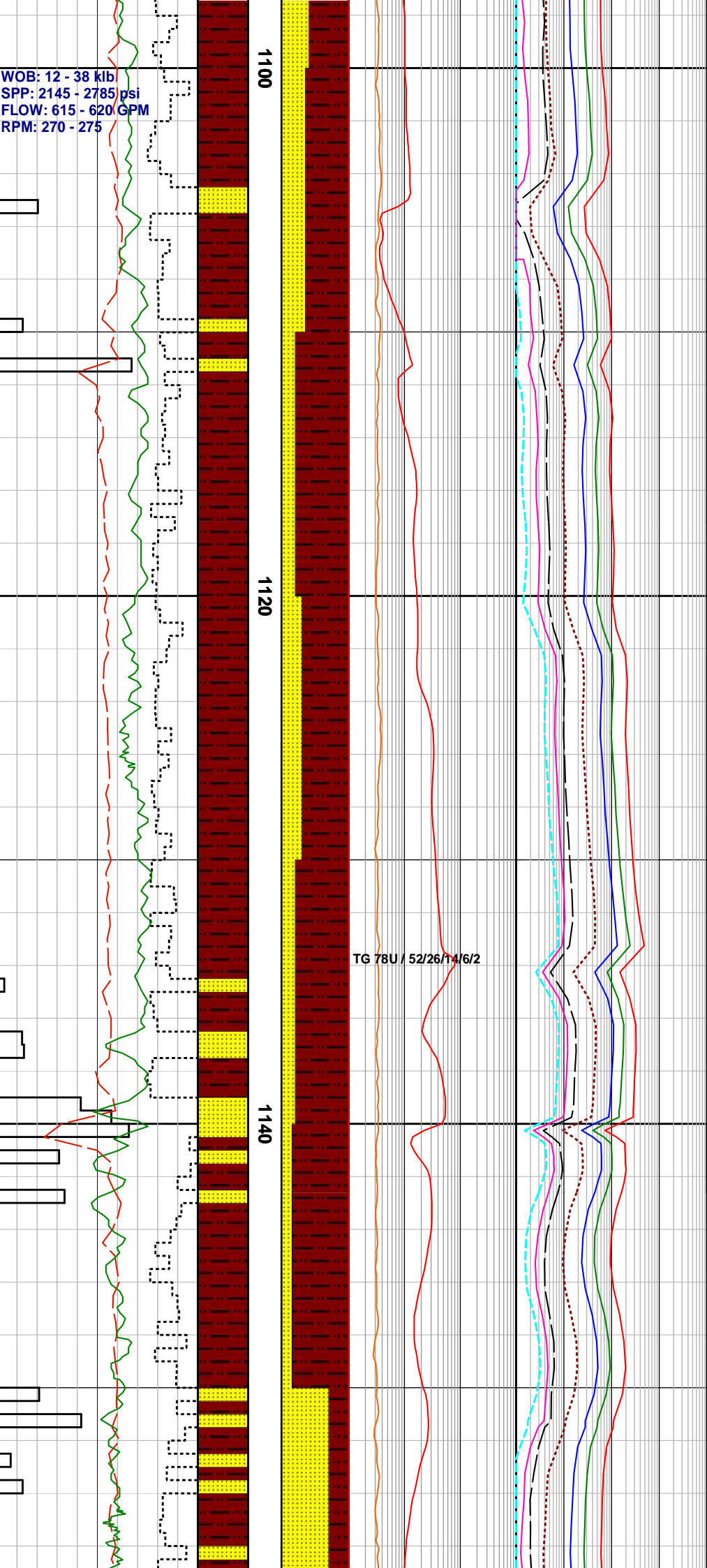
SANDSTONE: yelsh gry, lt gry, lt olv gry, vf-slt sized qtz
grns, mod-strg sil cmt, tr carb spks, hd-v hd, sbblky-blky,
nil-v pr vis por, no fluoresce

SILTSTONE: dsky yelsh brn, dk gry, brnsh gry, micmic,
mod carb, sltly arg, mod hd-hd, sbblky-sbfiss.

SANDSTONE: yelsh gry, lt gry, lt olv gry, vf-slt sized qtz
grns, mod-strg sil cmt, tr carb spks, hd-v hd, sbblky-blky,
nil-v pr vis por, no fluor.

SILTSTONE: as above, brnsh gry, med gry, med lt gry, wkl
sil, micmic, mod carb i/p, mod hd-hd, sbblky-sbfiss.

WOB: 12 - 38 klb
SPP: 2145 - 2785 psi
FLOW: 615 - 620 GPM
RPM: 270 - 275



SANDSTONE: as above, yelsh gry, lt gry, lt olv gry, vf-slt sized qtz grns, mod-strg sil cmt, tr carb spks, hd-v hd, sbblky-blky, nil-v pr vis por, no fluor.

SILTSTONE: brnsh gry, med gry, olv gry, tr med lt gry, wkl sil, micmic, mod carb i/p, mod hd-hd, sbblky-sbfiss.

SANDSTONE: yelsh gry, lt gry, lt olv gry, vf-slt sized qtz grns, wl srt, mod-strg sil cmt, mnv wh arg mtx, hd-v hd aggs, sbblky-blky, ti-v pr vis por, no fluor.

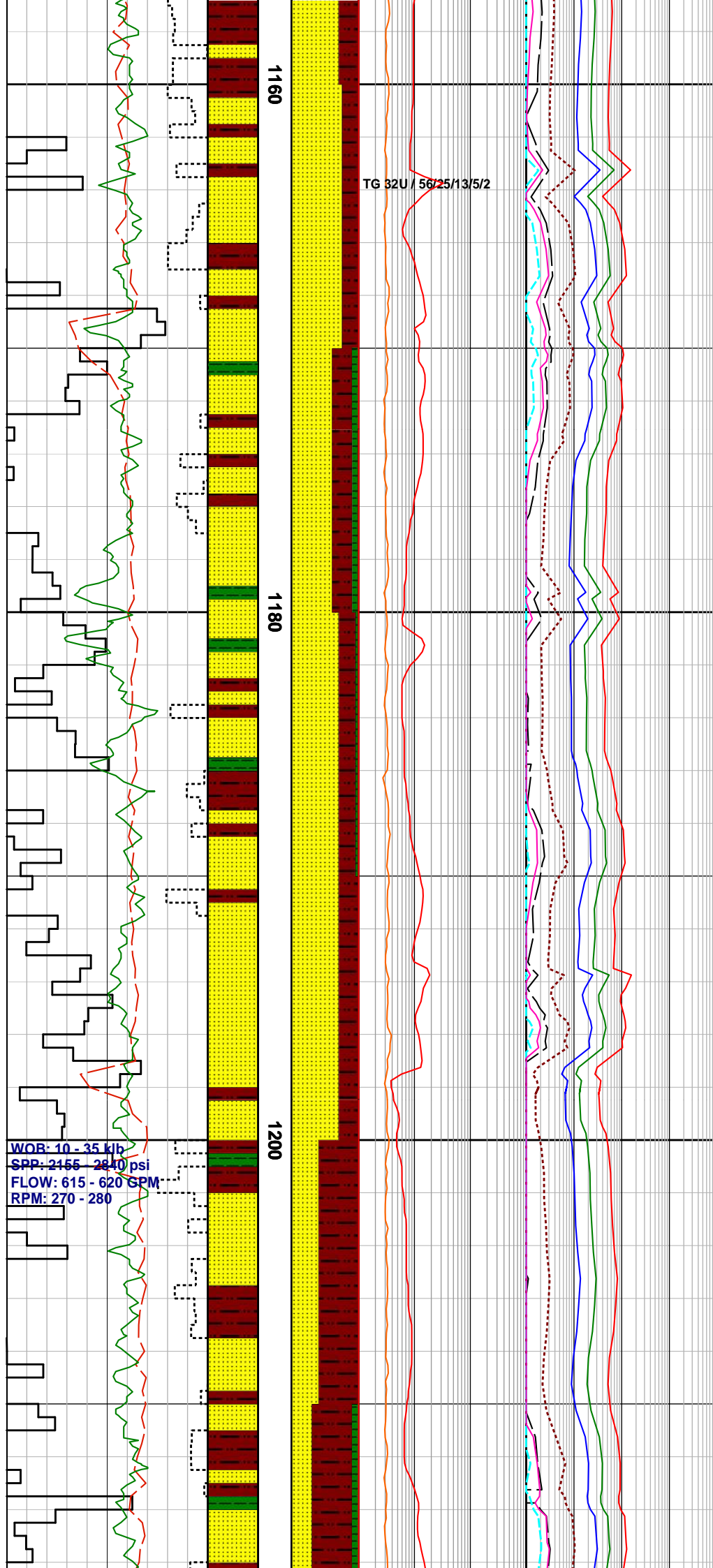
MD 1128.70m
TVD 1128.56m

Inc 1.31°
Azi 263.21°

SILTSTONE: brnsh gry, med gry, olv gry, tr med lt gry, wkl sil, micmic, mod carb i/p, mod hd-hd, sbblky-sbfiss.

SANDSTONE: yelsh gry, lt olv gry, vf-slt sized qtz grns, wl srt, mod-strg sil cmt, mnv wh arg mtx, hd-v hd aggs, sbblky-blky, ti-v pr vis por, no fluor.

SILTSTONE: brnsh gry, med gry, olv gry, tr med lt gry, wkl sil, micmic, mod carb i/p, mod hd-hd, sbblky-sbfiss.



MD 1157.49m
TVD 1157.35m

Inc 1.09°
Azi 288.35°

SANDSTONE: yelsh gry, lt gry, lt olv gry, vf, wl srt, mod-strg sil cmt, com slt mtx, grd-aren Sltst, mnř wh arg mtx i/p, hd-v hd aggs, sbblky-blky, ti-v pr vis por, no fluor.

SILTSTONE: brnsh gry, med gry, olv gry, tr med lt gry, wkl sil, micmic, mod carb i/p, mod-v arg wh grnsh gry grd-Clst; mod hd-hd, sbblky-sbfiss.

CLAYSTONE: lt gry, grnsh gry, wkly sil, brit-mod hd, sbfiss, tr fis.

MD 1186.18m
TVD 1186.03m

Inc 1.72°
Azi 279.37°

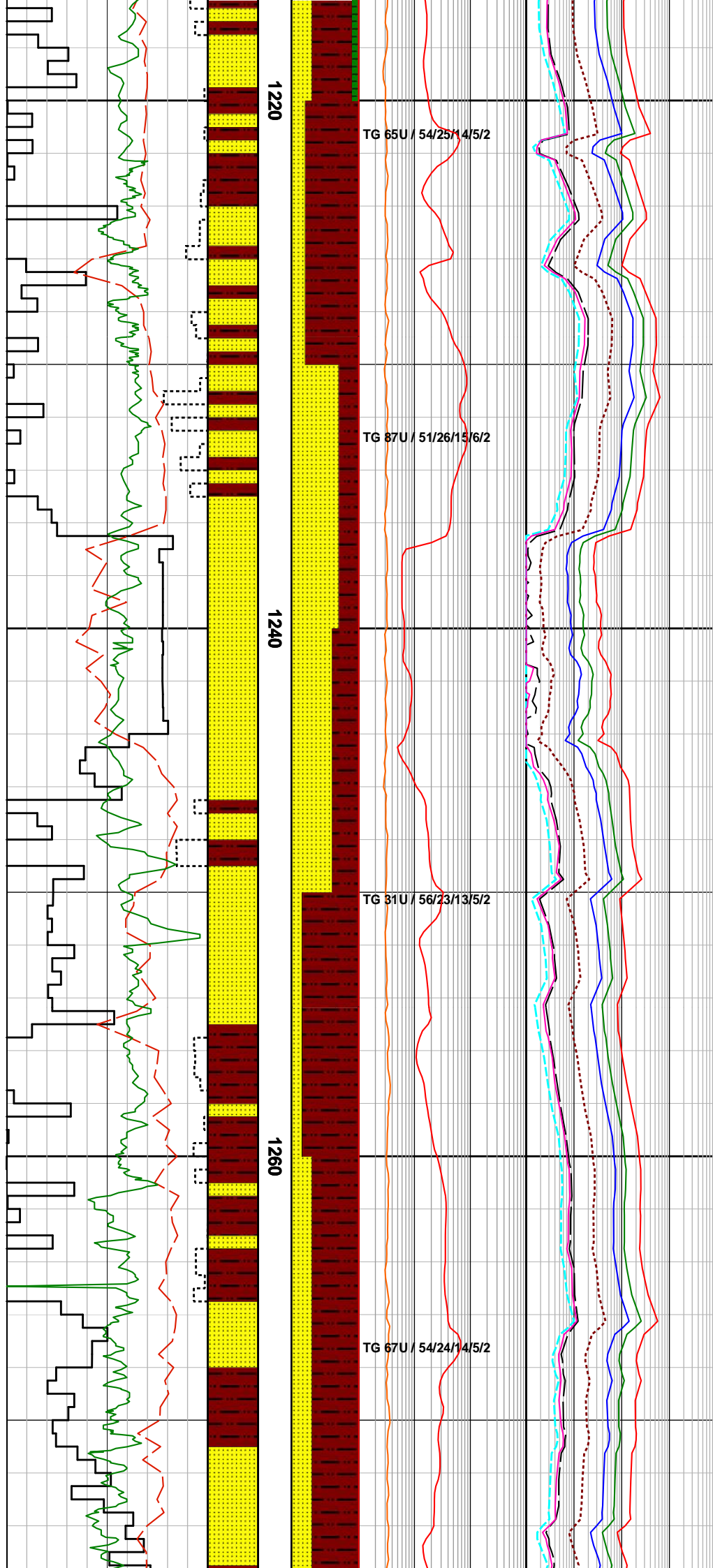
SANDSTONE: yelsh gry, lt gry, wh, vf in aggs, occ f & med lse grns, r crs, wl srt in aggs, pr-mod srt wh lse, mod-strg sil cmt, com slt mtx, grd-aren Sltst, loc abdt wh arg mtx, hd-v hd aggs, mnř disaggd, sbblky-blky, ti-v pr vis por, pr inf por, no fluor.

SILTSTONE: loc wh arg mtx, hd-v hd aggs, occ disaggd, sbblky-blky, ti-v pr vis por, pr inf por, no fluor.

CLAYSTONE: lt gry, grnsh gry, wkly sil, brit-mod hd, sbfiss, tr fis.

MD 1214.96m
TVD 1214.79m

Inc 2.11°
Azi 269.93°



SANDSTONE: yelsh gry, lt gry, wh, vf in aggs, occ f-lse grns, wl srt in aggs, mod srt wh lse, mod-strg sil cmt, com slt mtx, grd-aren.

SILTSTONE: brnsh gry, med gry, olv gry, wkly sil, micmic, mod carb i/p, mod hd-hd, sbblky-sbfiss.

Slide drill from 1236.5m to 1244m

SANDSTONE: yelsh gry, lt gry, wh, vf in aggs, occ f-lse grns, mod-wl srt, mod-strg sil cmt, com slt mtx, grd-aren Sltst, loc wh arg mtx, hd-v hd aggs, tr disaggd, sbblky-blky, ti-v pr vis por, pr inf por, no fluor.

MD 1243.58m
TVD 1243.40m

Inc 1.22°
Azi 254.49°

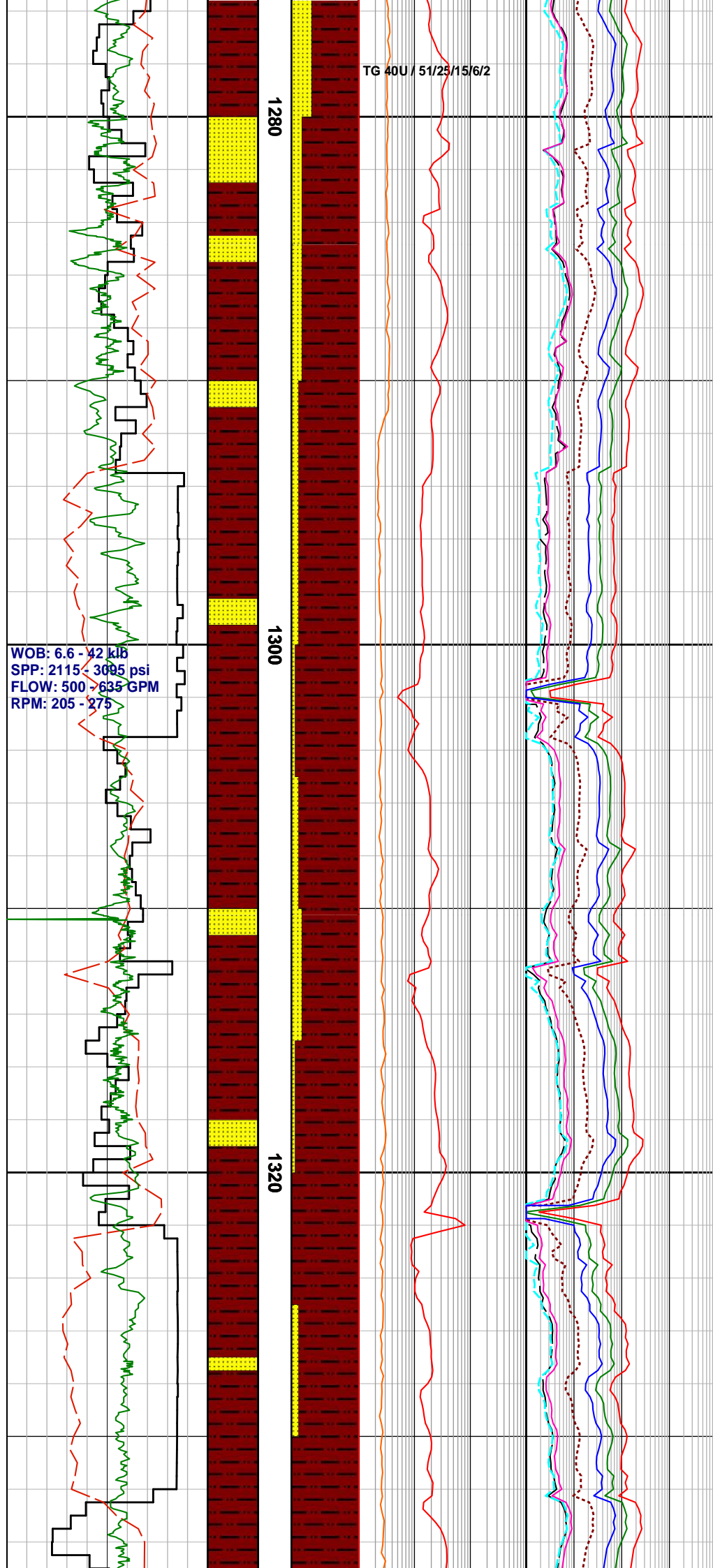
SILTSTONE: brnsh gry, med gry, olv gry, wkly sil, micmic, carb i/p, mod hd-hd, sbblky-sbfiss.

SANDSTONE: yelsh gry, lt gry, vf in aggs, tr f-lse grns, wl srt, strg sil cmt, com slt mtx grd-aren Sltst, loc wh arg mtx hd-v hd aggs, tr disaggd, sbblky-blky, ti-v pr vis por, no fluor.

SILTSTONE: brnsh gry, med dk gry, dk gry, occ olv gry, wkly sil, micmic, vf qtz inclis i/p, mod carb i/p, mod hd-hd, sbblky-sbfiss.

MD 1272.24m
TVD 1272.05m

Inc 1.68°
Azi 245.30°



SANDSTONE: yelsh gry, lt gry, vf in aggs, tr f lse grns, wl srt, strg sil cmt, com slt mtx grd-aren Sltst, loc wh arg mtx hd-v hd aggs, tr disaggd, sbblky-blky, ti-v pr vis por, no fluor.

SILTSTONE: brnsh gry, med dk gry, dk gry, occ olv gry, wkly sil, micmic, vf qtz incls i/p, mod carb i/p, mod hd-hd, sbblky-sbfiss.

Slide drill from 1293m to 1303m

MD 1300.92m
TVD 1300.72m

Inc 1.64°
Azi 201.13°

SANDSTONE: yelsh gry, lt olv gry, vf in aggs, r f lse grns, wl srt, mod-strg sil cmt, hd-v hd aggs, r disaggd, sbblky, ti-v pr vis por, no fluor.

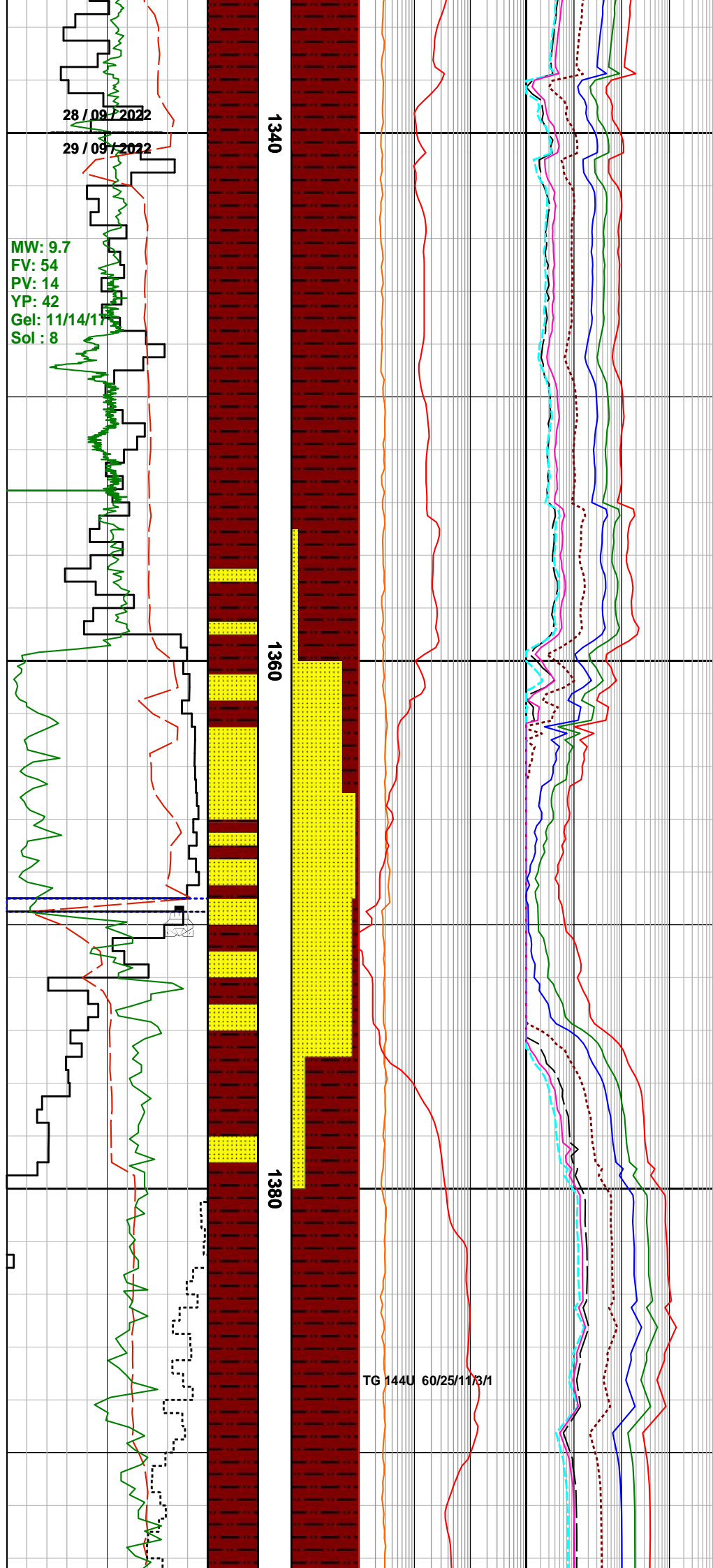
SILTSTONE: med dk gry, dk gry, occ brnsh gry & occ olv gry, wkly sil, micmic, sltly arg, mod carb i/p, mod hd-hd, sbfiss-sbblky.

Slide drill from 1322m to 1332m

MD 1329.66m
TVD 1329.45m

Inc 1.41°
Azi 125.13°

SILTSTONE: med dk gry, dk gry, occ brnsh gry & occ olv gry, wkly sil, micmic, sltly arg, mod carb i/p, mod hd-hd, sbfiss-sbblky.



28 / 09 / 2022

29 / 09 / 2022

MW: 9.7
FV: 54
PV: 14
YP: 42
Gel: 11/14/1
Sol : 8

1340

1360

1380

TG 144U 60/25/11/3/1

SILTSTONE: med dk gry, dk gry, occ brnsh gry & occ olv gry, wkly sil, micmic, sltly arg, mod carb i/p, mod hd-hd, sbfiss-sbblky.

SILTSTONE: med dk gry, dk gry, occ brnsh gry & occ olv gry, wkly sil, micmic, sltly arg, mod carb i/p, mod hd-hd, sbfiss-sbblky.

MD 1358.34m
TVD 1358.13m

Inc 0.39°
Azi 109.96°

Vary parameters to improve ROP from 1360m

SANDSTONE: wh, trnsp-trnsl, tr yelsh gry, vf-prd f in aggs, tr lse f grns, wl srt, mod-strg sil cmt, com wh flk frags w/ metallic striations, hd-v hd aggs, tr disaggd, ti-v pr vis por, pr inf por, no fluor.

POOH to change bit

NB#4 8 3/4"
Varel PDC - s/n 4013697
Jets 6 x 12 / TFA 0.66in2
In: 1369.25m, Out:2070 m
Run: 701m, Hrs: 57.3
Cond: 2-2-WT-A-X-I-CT-PR

SANDSTONE: yelsh gry, wh, vf-prd f in aggs, wl srt, sbang-prd sbrnd, mod-strg sil cmt, tr wh arg mtx, tr blk spks, hd aggs, sbblky, ti-v pr vis por, no fluor.

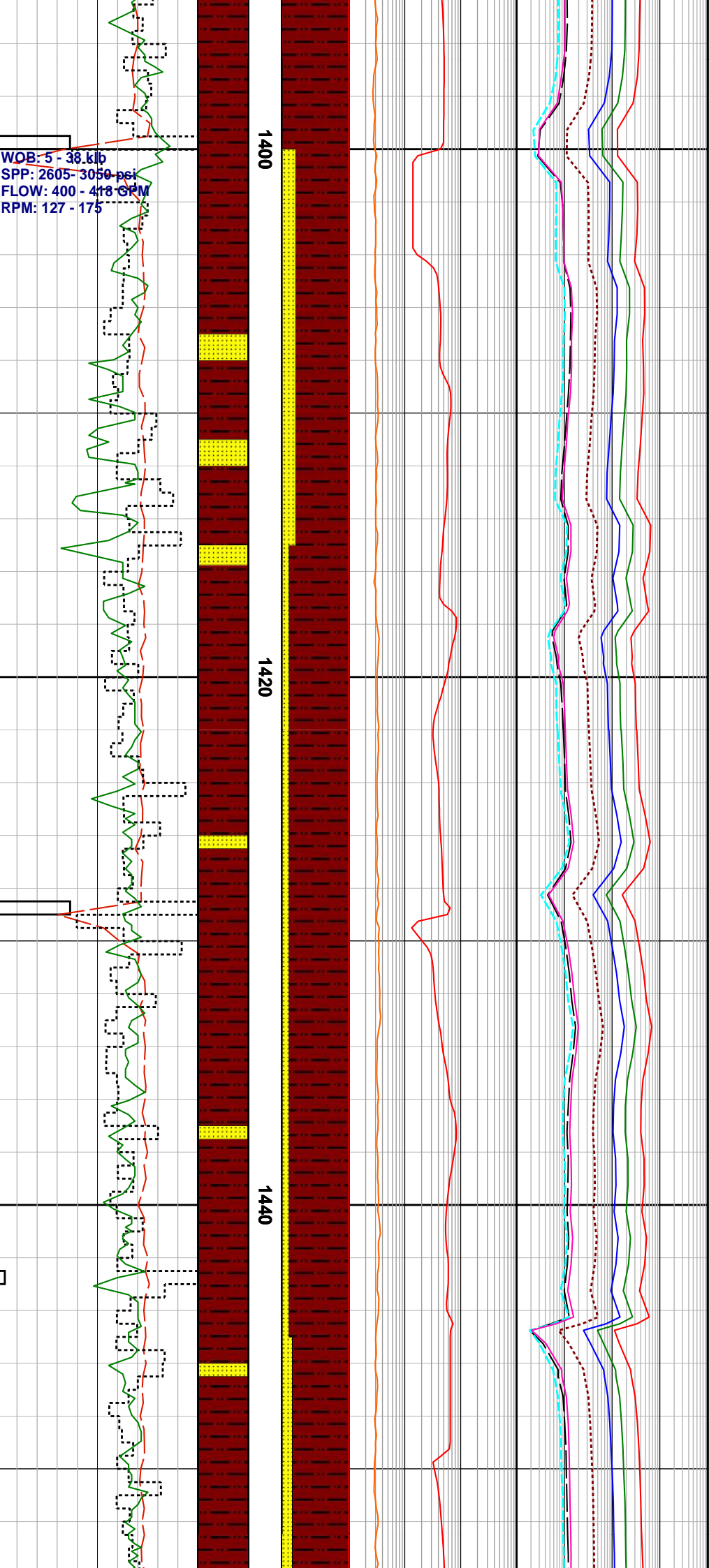
SILTSTONE: dk gry, grysh blk, occ brnsh gry, sltly arg, sltly-mod carb, micmic, mod hd-hd, sbblky, occ blk.

MD 1386.30m
TVD 1386.09m

Inc 0.36°
Azi 179.99°

SILTSTONE: grysh blk, dk gry, tr brnsh gry, mod arg, mod-v carb, micmic, mod hd-hd, sbblky, occ blk.

WOB: 5 - 38 klp
SPP: 2605-3050 psi
FLOW: 400 - 418 GPM
RPM: 127 - 175



SILTSTONE: grysh blk, dk gry, tr brnsh gry, mod arg, mod-v carb, micmic, mod hd-hd, sbbiky, occ blk.

SANDSTONE: yelsh gry, wh, vf-prd f, wl srt, sbang-prd sbrnd, mod-strg sil cmt, tr wh arg mtx, tr blk spks, hd aggs, sbbiky, ti-v pr vis por, no fluor.

MD 1414.94m
TVD 1414.73m

Inc 0.98°
Azi 227.91°

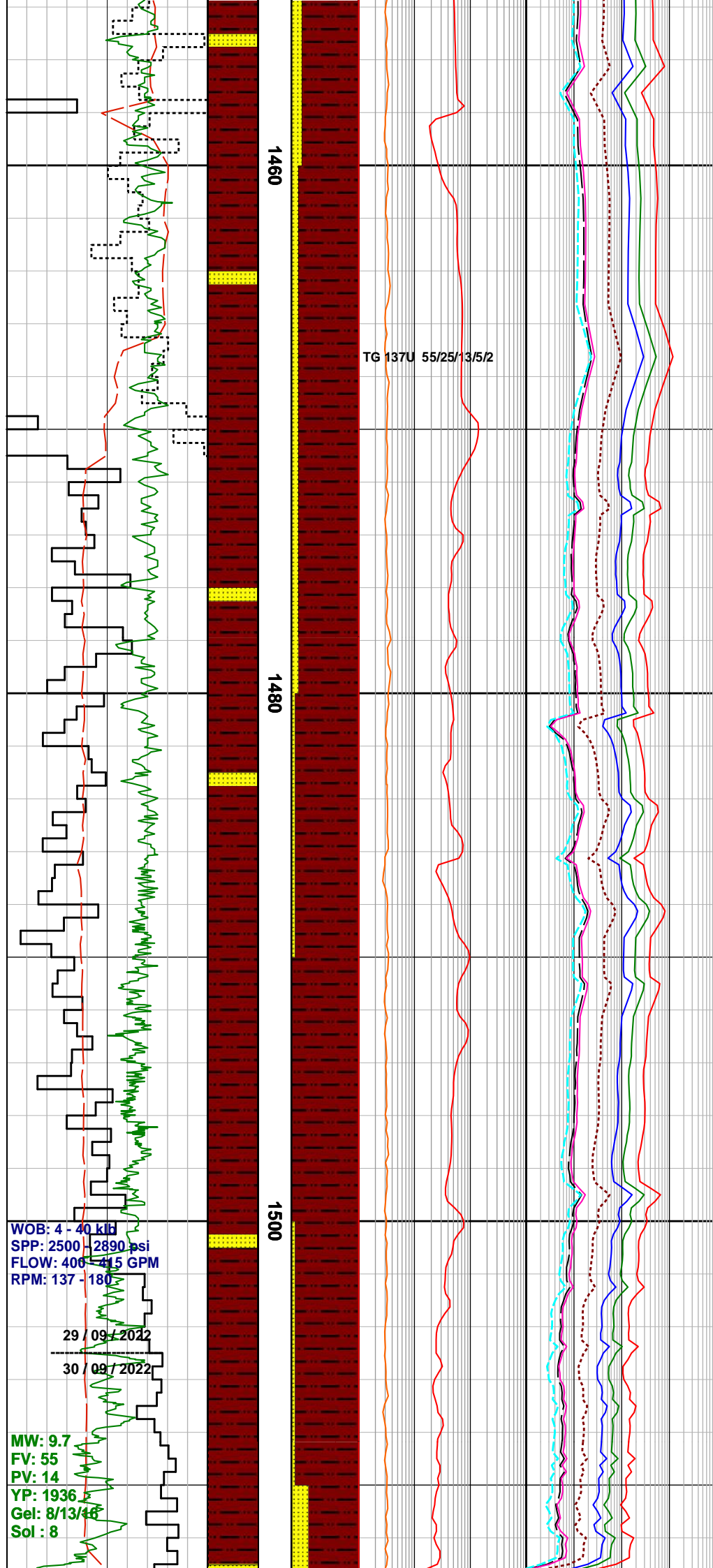
SILTSTONE: grysh blk, dk gry, tr brnsh gry, mod arg, mod-v carb, micmic, mod hd-hd, sbbiky, occ blk.

SANDSTONE: yelsh gry, lt olv gry, vf-f, wl srt, sbang-sbrnd mod-strg sil cmt, wh arg mtx i/p, tr blk spks, r glauc & pyr nods, mod hd-hd aggs, sbbiky, ti vis por, no fluor.

MD 1443.65m
TVD 1443.43m

Inc 1.61°
Azi 229.94°

SILTSTONE: grysh blk, dk gry, tr brnsh gry, mod arg, mod-v carb, micmic, mod hd-hd, sbbiky, occ blk.



Controlled drilling from 1447m -1514m

SILTSTONE: grysh blk, dk gry, tr brnsh gry, mod arg, mod-v carb, micmic, mod hd-hd, sbblky, occ blk.

MD 1472.33m
TVD 1472.10m

Inc 1.79°
Azi 230.33°

SANDSTONE: yelsh gry, lt olv gry, vf-f, wl srt, sbang-sbrnd mod-strg sil cmt, wh arg mtx i/p, tr blk spks, r glauc & pyr nods, mod hd-hd aggs, sbblky, ti vis por, no fluor.

SILTSTONE: grysh blk, dk gry, tr brnsh gry, mod arg, mod-v carb, micmic, mod hd-hd, sbblky, occ blk.

Moroak Sandstone 1500.5mMDRT (-1220.3mSS)

MD 1501.03m
TVD 1500.78m

Inc 1.70°
Azi 239.63°

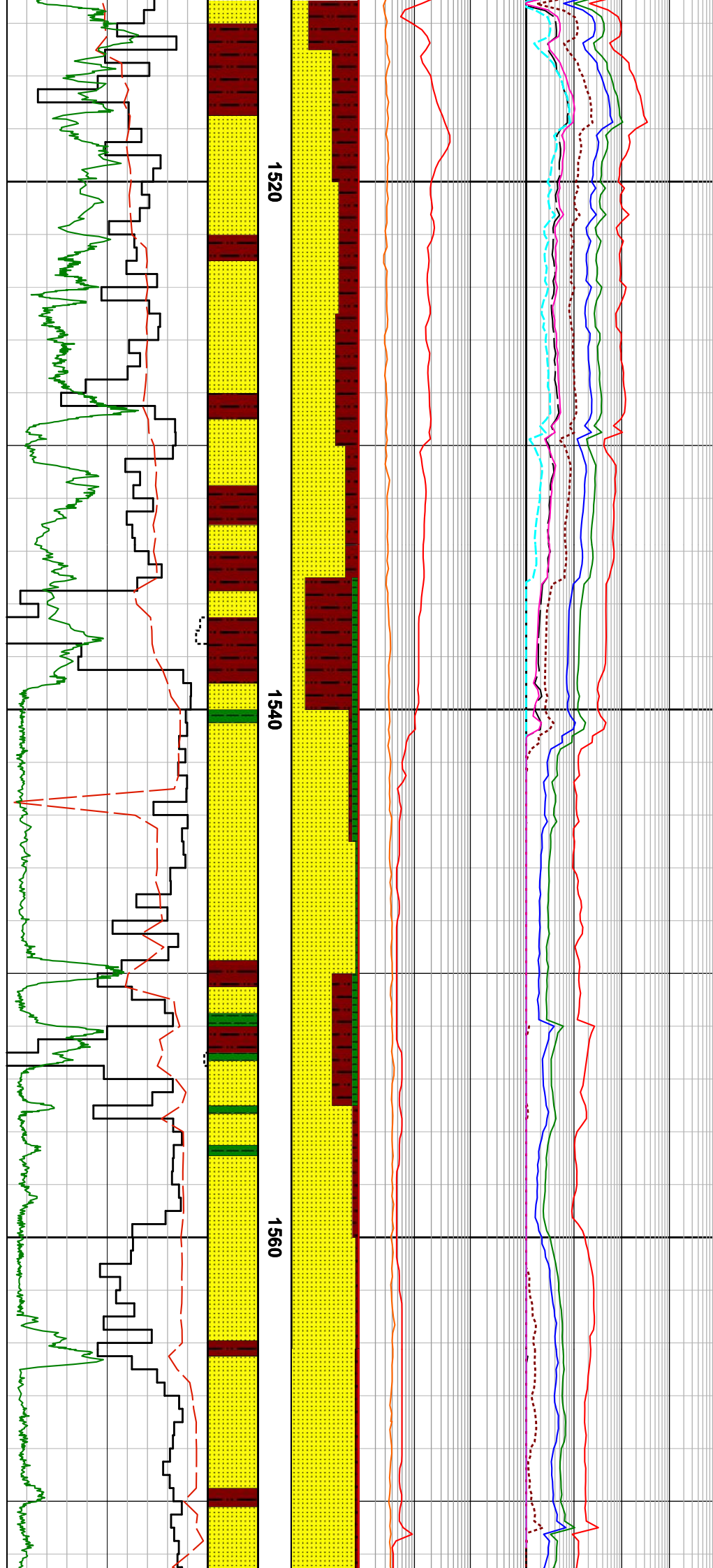
SILTSTONE: dk gry, occ med dk gry & grysh blk, mod arg, mod-v carb, micmic, mod hd-hd, sbblky-sbfiiss, occ blk.

WOB: 4 - 40 klf
SPP: 2500 - 2890 psi
FLOW: 406 - 415 GPM
RPM: 137 - 180

29 / 09 / 2022

30 / 09 / 2022

MW: 9.7
FV: 55
PV: 14
YP: 1936
Gel: 8/13/46
Sol: 8



SANDSTONE: yelsh gry, lt olv gry, vf-f in aggs, mnr f-med lse qtz grns, wl srt in aggs, mod srt wh lse, sbang-sbrnd, mod-strg sil cmt, slty mtx i/p, tr blk spks, mod hd-hd aggs, mnr disaggd, sbblky, ti vis por, pr inf por, no fluor.

MD 1529.68m
TVD 1529.42m

Inc 1.70°
Azi 236.08°

SANDSTONE: yelsh gry, lt olv gry, vf-f in aggs, mnr f-med lse qtz grns, wl srt in aggs, mod srt wh lse, sbang-sbrnd, mod-strg sil cmt, slty mtx i/p, tr blk spks, mod hd-hd aggs, mnr disaggd, sbblky, ti vis por, pr inf por, no fluor.

SILTSTONE: mod rdsh brn, locly com vf qtz incls grd-SLT Sst, mod hd, sbblky..

SANDSTONE: abdt orng-brn FE stn, trnsl, vf-med, mnr crs pr-mod wl srt, sbang-rnd, wk-mod cmt, tr, mnr carb incls, disaggd, mnr mod hd aggs, gd inf por, v pr vis por, no fluor.

CLAYSTONE: lt grn, occ dk yelsh grn, com vf qtz incls i/p, mod hd, occ frm, sbblky

SANDSTONE: trnsp-trnsl, vf-crs, vf-f in tr aggs, pr srt, wl srt in aggs, loc mod sil cmt, wh arg mtx i/p, tr lith, disaggd mod hd aggs, fr inf por, v pr vis por, no fluor.

SANDSTONE 2: grysh yel grn, mod yel grn, vf wl srt, sbang-sbrnd, mod-strg sil cmt, wh arg mtx i/p, mod hd-hd, sbblky, pr vis por, no fluor.

SILTSTONE: tr, mod rdsh brn, locly com vf qtz incls grd-SLTY Sst, mod hd, sbblky.

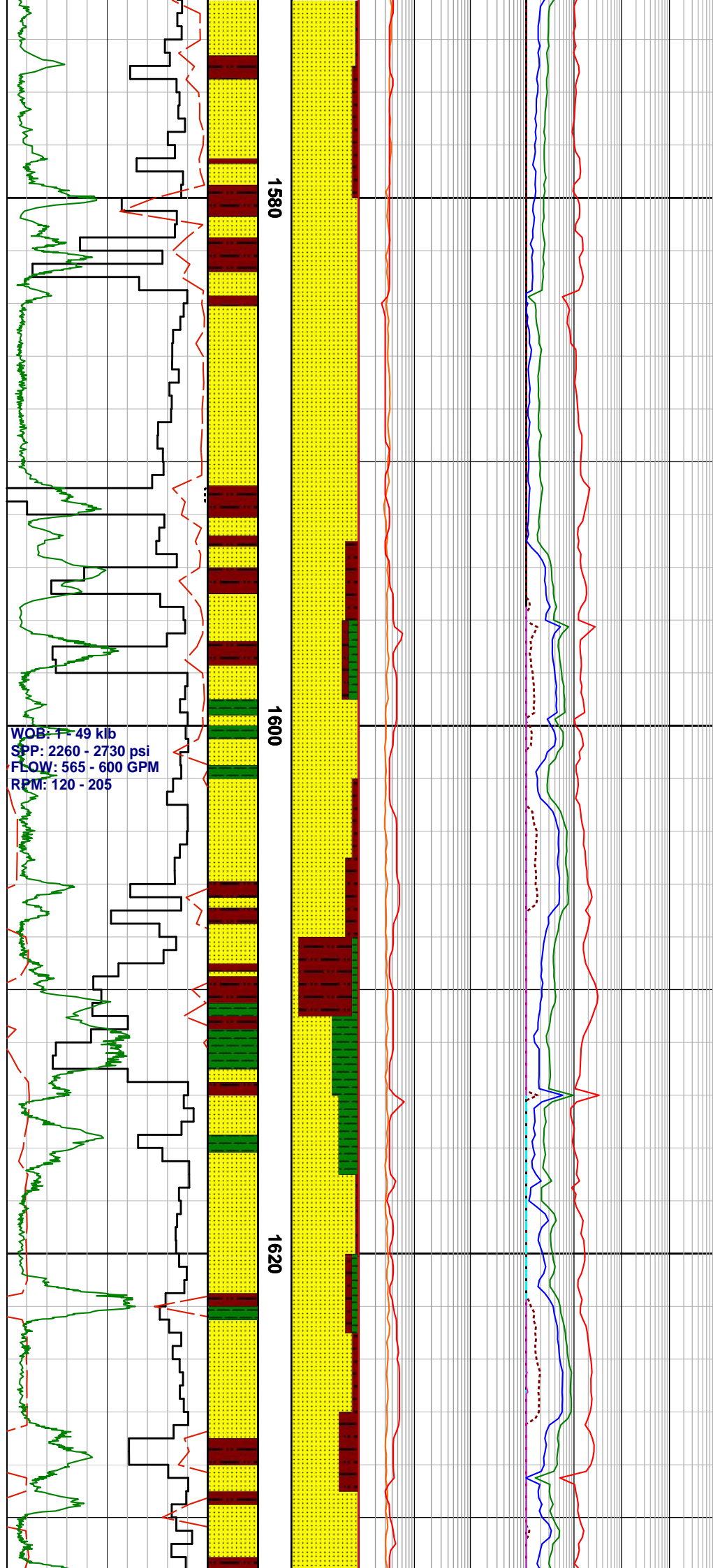
MD 1558.19m
TVD 1557.92m

Inc 1.93°
Azi 249.44°

SANDSTONE: trnsp-trnsl, yelsh wh, vf-crs, prdom f, pr-mod srt, sbang-sbrnd, wk sil cmt, wh arg mtx i/p, tr lith, disaggd, tr brit-mod hd, gd inf por, v pr vis por, no fluor.

SILTSTONE: dk gry, olv gry, sltly arg, micmic i/p, mod hd-hd, sbblky-blky, occ sbfiss, bcm fis.

SANDSTONE: trnsp-trnsl, wh, loc brn-mod rdsh brn Fe stn, vf-crs, prd f, r v crs, mod srt, sbang-sbrnd, tr wk-mod sil cmt, tr wh sil frags, disaggd, fr inf por, no fluor.



SILTSTONE: dk gry, olv gry, sltly arg, micmic i/p, mod hd-hd, sbblky-blky, occ sbfiss, bcm fis.

SANDSTONE: trnsp-trnsl, yelsh gry, wh, vf-crs, gen f-med, pr-mod srt, wk-mod sil cmt, mnr wh arg mtx, tr lith, disaggd, com mod hd aggs, fr inf por, pr vis por, no fluor.

MD 1586.78m
TVD 1586.49m

Inc 1.85°
Azi 254.73°

SANDSTONE: trnsp-trnsl, wh, com lt brn-mod rdsh brn Fe stn, vf-crs, prd f-med, r v crs, pr-mod srt, sbang-sbrnd, tr ang, tr strg sil cmt, prd disaggd, tr hd aggs, fr inf por, no fluor.

SILTSTONE: dk gry, grysh blk, olv blk, sltly arg, micmic, mod carb, sltly sil i/p, mod hd-hd, sbblky-blky, sbfiss, tr fis

CLAYSTONE: pl grnsh yel, v lt grn, mod hd, sbblky, occ sbfiss, tr blk.

SANDSTONE: as above, trnsp-trnsl, yelsh gry, wh, vf-v crs gen f-crs, tr v crs, pr srt, sbang-sbrnd, occ rnd, tr ang, mod-strg sil cmt, mnr wh arg mtx, tr lith, tr wh sil frags, disaggd, com mod hd aggs, fr inf por, pr vis por, no fluor.

SILTSTONE: mod rdsh brn, locly com vf qtz inclcs grd slty Sst, mod hd, sbblky.

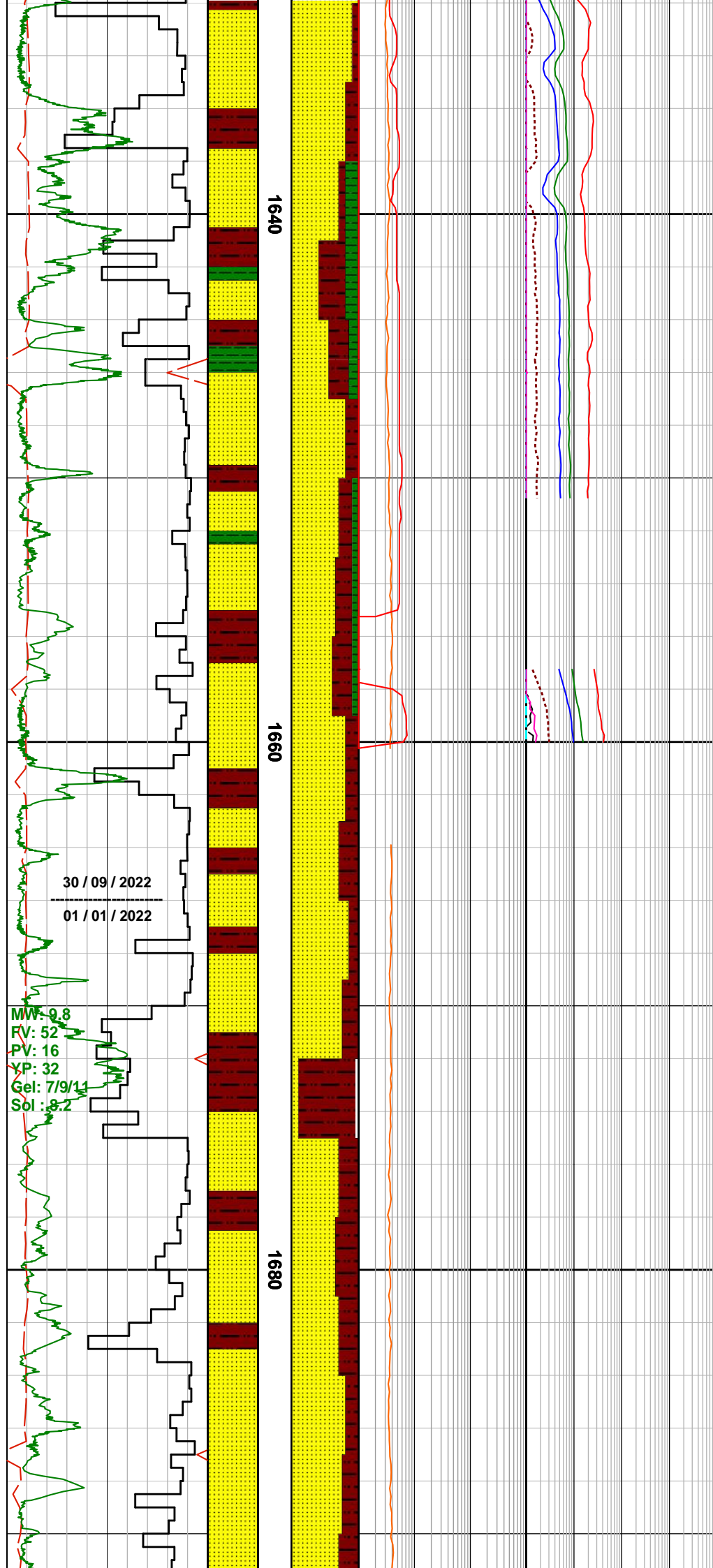
CLAYSTONE: pl grnsh yel, v lt grn, sltly sil, mod sil i/p, mod hd, sbblky, occ sbfiss, tr blk.

MD 1615.28m
TVD 1614.98m

Inc 1.83°
Azi 254.15°

SANDSTONE: trnsp-trnsl, yelsh gry, wh, vf-med, tr rnd crs qtz grns, mod srt, sbang-sbrnd, mod-strg sil cmt, tr wh arg mtx, occ wh sil flk frags, tr mod rdsh brn Silst frags, disaggd, mnr mod hd aggs, fr inf por, pr vis por, no fluor.

SANDSTONE: trnsp-trnsl, tr grysh brn aggs, com fnt mod rdsh brn stn, vf-f, tr med, r rnd crs qtz grns, wl srt in aggs, pr-mod srt wh lse, sbang-sbrnd, tr lith, r pyr nods, disaggd, mnr mod hd aggs, fr inf por, pr vis por, no fluor.



disaggd, tr mod nd-hd aggs, fr inf por, pr vis por, no fluor.

SILTSTONE: mod rdsh brn, locly com vf qtz inclis grd-sltly Sst, mod hd, sbblky.

SANDSTONE: trnsp-trnsl, yelsh gry, wh, vf-med, tr crs, mod srt, sbang-sbrnd, mod-strg sil cmt, tr wh arg mtx, occ wh sil flk frags, disaggd, mntr mod hd aggs, fr inf por, pr vis por, no fluor.

MD 1643.70m
TVD 1643.38m

Inc 1.72°
Azi 246.74°

CLAYSTONE: pl grnsh yel, v lt grn, sltly sil, mod sil i/p, mod hd, sbblky, occ sbfiss, tr blkly.

Gas system offline from 1651m to 1657 due to rig air compressor failed

SANDSTONE: trnsp-trnsl, yelsh gry, wh, vf-med, tr crs, mod srt, sbang-sbrnd, mod-strg sil cmt, tr wh arg mtx, occ wh sil flk cl frags, disaggd, mntr mod hd aggs, fr inf por, pr vis por, no fluor.

Gas system offline due to rig air compressor failure from 1660m to 1720m

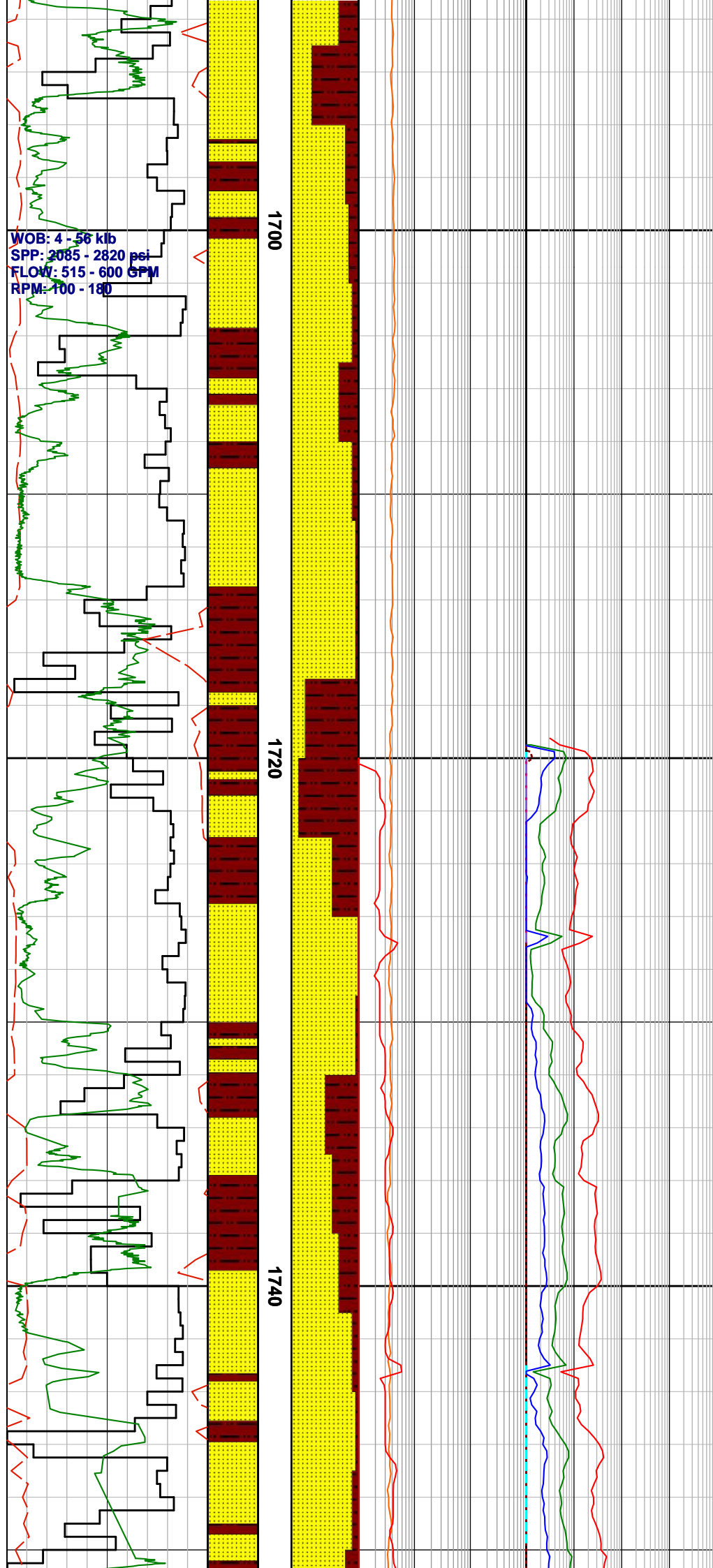
MD 1672.39m
TVD 1672.06m

Inc 1.52°
Azi 248.87°

SILTSTONE: mod rdsh brn, mod arg i/p, locly com vf qtz inclis, mod hd, sbblky.

SANDSTONE: trnsp-trnsl, prdom fnt mod rdsh brn stn, vf-prd f, wl srt, sbang-sbrnd, disaggd, fr inf por, no fluor.

SANDSTONE: trnsp-trnsl, prdom fnt mod rdsh brn stn, vf-prd f, wl srt, sbang-sbrnd, disaggd, fr inf por, no fluor.



SANDSTONE: trnsp-trnsl, yelsh gry, wh, vf-med, tr crs, mod srt, sbang-sbrnd, mod-strg sil cmt, tr wh arg mtx, disaggd, mntr mod hd aggs, fr inf por, pr vis por, no fluor.

MD 1700.92m
TVD 1700.58m

Inc 1.37°
Azi 244.07°

SILTSTONE: dk gry, grysh blk, occ olv gry, micmic, mod carb, mod arg i/p, mod hd-hd, sbblky-blky, sbfiss.

SANDSTONE: trnsp-trnsl, occ yelsh wh, vf-med, prd f, wl srt, sbang-sbrnd, occ mod sil cmt, tr wh arg mat, tr lith, disaggd, occ mod hd-hd aggs, gd inf por, pr vis por, no fluor.

SILTSTONE: dk gry, grysh blk, occ olv gry, micmic, mod carb, mod arg i/p, mod hd-hd, sbblky-blky, sbfiss.

Resumed rig air supply, Gas system back online from 1720m

SANDSTONE: lt gry aggs, vf, occ f, wl srt, sbrnd-rnd, strg sil cmt, tr arg mtx i/p, tr lith, hd, v pr vis por, no fluor.

MD 1729.50m
TVD 1729.15m

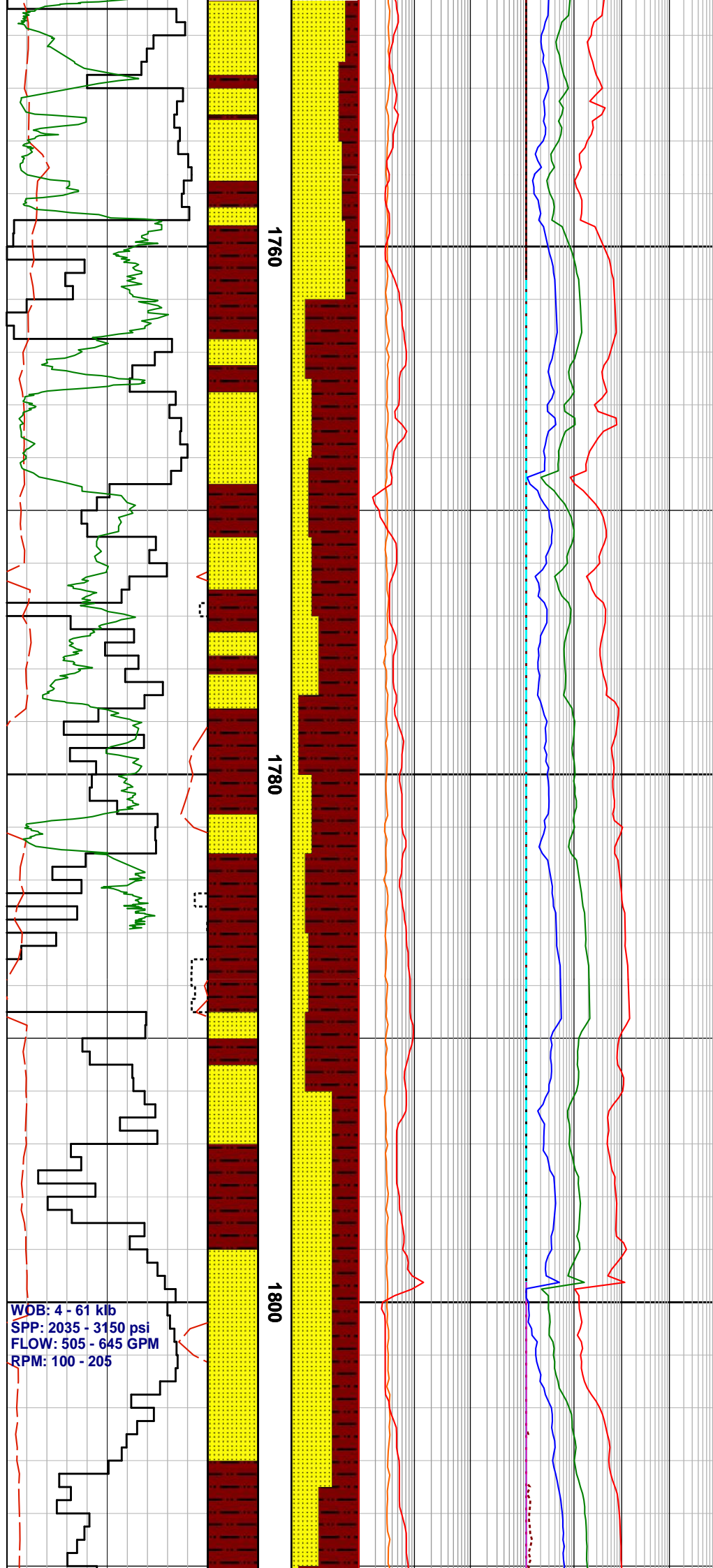
Inc 1.28°
Azi 236.29°

SILTSTONE: dk gry, grysh blk, occ med dk gry, micmic, sltly arg, mod hd, sbblky, sbfiss, occ blk.

SANDSTONE: lt gry aggs, vf, occ f, wl srt, sbrnd-rnd, strg sil cmt, tr arg mtx i/p, tr lith, hd, v pr vis por, no fluor.

SILTSTONE: dk gry, grysh blk, occ med dk gry, micmic, sltly arg, mod hd, sbblky, sbfiss, occ blk.

SANDSTONE: trnsp-trnsl, occ yelsh gry aggs, vf-med wh



lse, prd f, vf-f in aggs, wl srt, sbang-sbrnd, occ mod-strg sil cmt, occ wh sil flk cl frags, tr lith, disaggd, occ mod hd-hd aggs, fr inf por, pr vis por, no fluor.

SILTSTONE: dk gry, grysh blk, occ med dk gry, micmic, sltly arg, mod hd, sbblky, sbfiss, occ blk.

MD 1758.09m Inc 1.50°
TVD 1757.73m Azi 236.34°

SANDSTONE: trnsp-trnsl, occ yelsh gry aggs, vf-med wh lse, prd f, vf-f in aggs, wl srt, sbang-sbrnd, occ mod-strg sil cmt, occ wh sil flk cl frags, tr lith, disaggd, occ mod hd-hd aggs, fr inf por, pr vis por, no fluor.

SILTSTONE: dk gry, grysh blk, occ med dk gry, med-prd crs-sized frags, micmic, sltly arg, mod hd-hd, sbblky-sbfiss, tr blk.

SANDSTONE: trnsp-trnsl, occ yelsh gry-lt olv gry aggs, vf-med wh lse, prd f, vf-f in aggs, wl srt, sbang-sbrnd, mnr mod-strg sil cmt, occ-com wh sil flk cl frags, tr lith, disaggd, occ mod hd-hd aggs, fr inf por, pr vis por, no fluor.

SILTSTONE: dk gry, grysh blk, occ med dk gry, crs-gen v crs-sized frags, micmic, sltly arg, sltly sil i/p, mod hd-hd, sbblky, sbfiss, occ blk.

SANDSTONE: lt gry-lt olv gry aggs, vf, occ f, wl srt, sbrnd-rnd, mod-strg sil cmt, tr arg mtx i/p, tr lith, hd, v pr vis por, no fluor.

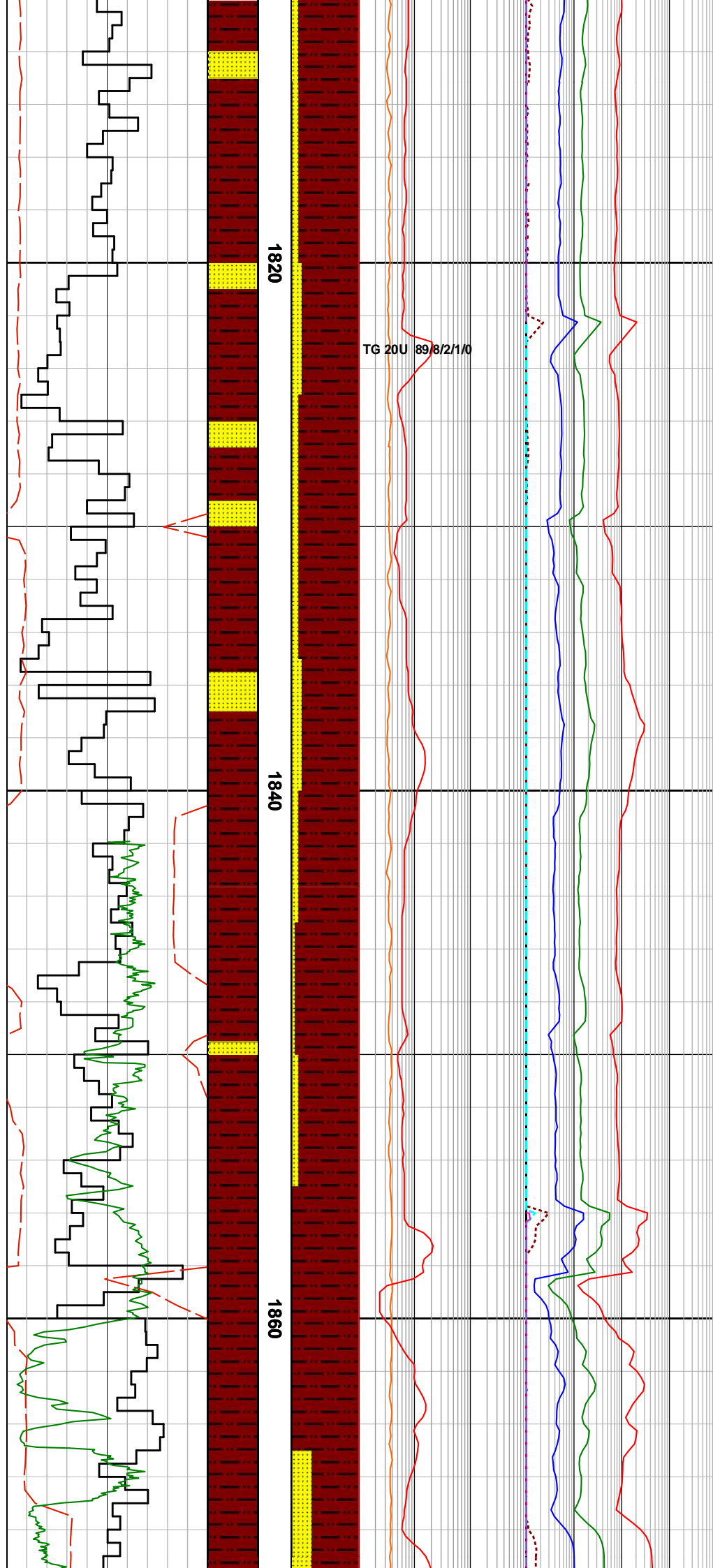
MD 1786.70m Inc 1.62°
TVD 1786.33m Azi 221.00°

SILTSTONE: dk gry, grysh blk, occ med dk gry, crs-gen v crs-sized frags, micmic, sltly arg, sltly sil i/p, mod hd-hd, sbblky, sbfiss, occ blk.

SANDSTONE: trnsp-trnsl, yelsh gry, lt olv gry-lt gry aggs, occ wh aggs, vf-f, wl srt, sbang-sbrnd, mod-strg sil cmt, tr wh arg mtx, loc com slt mtx, tr lith, pr vis por, fr inf por, no fluor.

MWD Pulser failed at 1803m

SILTSTONE: dk gry, brnsh gry, occ med dk gry, micmic, sltly arg, sltly sil i/p, mod hd-hd, sbblky, sbfiss.



SILTSTONE: dk gry, brnsh gry, occ med dk gry, med-crs sized frags, micmic, sltly arg, sltly sil i/p, mod hd-hd, sbblky, sbfiss.

SANDSTONE: trnsp-trnsl, yelsh gry, lt olv gry-lt gry aggs, occ wh aggs, vf-f, wl srt, sbang-sbrnd, mod-strg sil cmt, tr wh arg mtx, loc com slt mtx, tr lith, disaggd, com mod hd-hd aggs, pr vis por, fr inf por, no fluor.

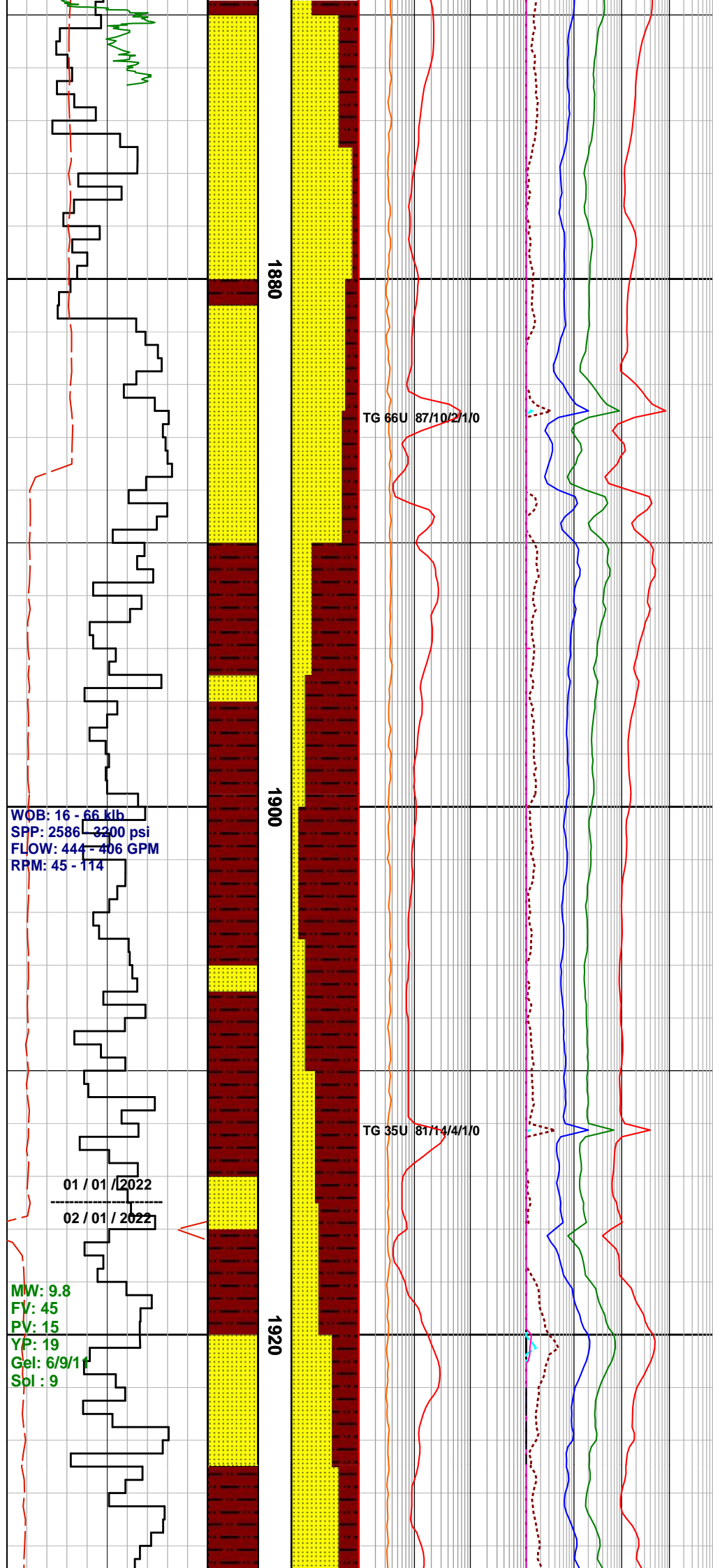
SILTSTONE: dk gry, brnsh gry, occ med dk gry, med-crs sized frags, micmic, sltly arg, sltly sil i/p, mod hd-hd, sbblky, sbfiss.

MD 1842.50m
TVD 1842.11m

Inc 2.54°
Azi 216.65°

SILTSTONE: dk gry, brnsh gry, occ med dk gry, med-crs sized frags, micmic, sltly arg, sltly sil i/p, mod hd-hd, sbblky, sbfiss.

SILTSTONE: dk gry, brnsh gry, occ med dk gry, med-crs sized frags, micmic, sltly arg, sltly sil i/p, mod hd-hd, sbblky, sbfiss.



SANDSTONE: trnsp-trnsl, yelsh gry, lt olv gry-lt gry aggs, occ wh aggs, vf-f, wl srt, sbang-sbrnd, mod-strg sil cmt, tr wh arg mtx, loc com slt mtx, tr lith, disaggd, com mod hd-hd aggs, pr vis por, fr inf por, no fluor.

SANDSTONE: trnsp-trnsl, yelsh gry, lt olv gry-lt gry aggs, occ wh aggs, vf-f, wl srt, sbang-sbrnd, mod-strg sil cmt, tr wh arg mtx, loc com slt mtx, tr lith, disaggd, com mod hd-hd aggs, pr vis por, fr inf por, no fluor.

SILTSTONE: dk gry, brnsh gry, occ med dk gry, med-crs sized frags, micmic, sltly arg, sltly sil i/p, mod hd-hd, sbblky, sbfiss.

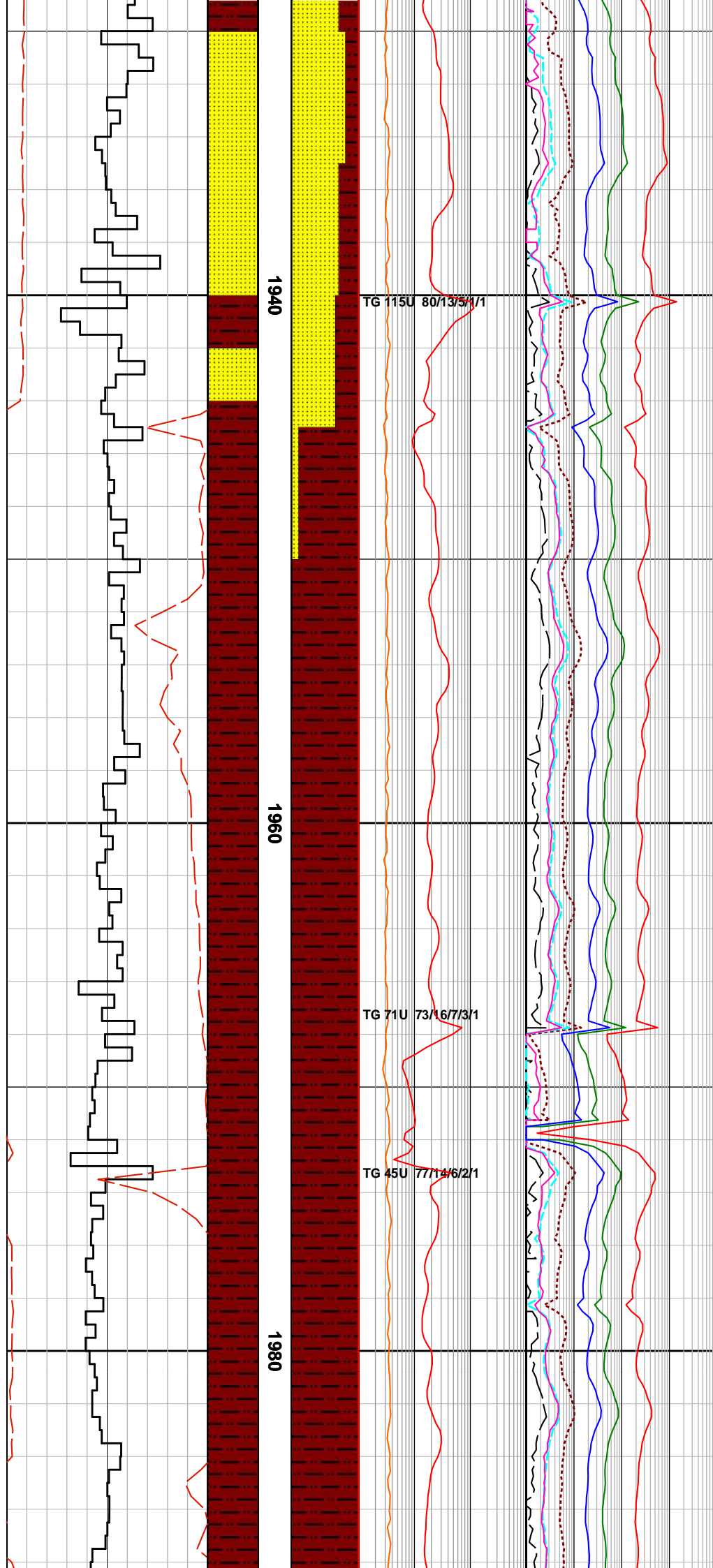
MD 1899.69m
TVD 1899.26m

Inc 3.01°
Azi 226.83°

SILTSTONE: dk gry, brnsh gry, occ med dk gry, med-crs sized frags, micmic, sltly arg, sltly sil i/p, mod hd-hd, sbblky, sbfiss.

SILTSTONE: dk gry, brnsh gry, occ med dk gry, med-crs sized frags, micmic, sltly arg, sltly sil i/p, mod hd-hd, sbblky, sbfiss.

SANDSTONE: yelsh gry, lt olv gry-lt gry, vf-f, wl srt, sbang-sbrnd, mod-strg sil cmt, tr wh arg mtx, loc com slt mtx, tr lith, disaggd, com mod hd-hd aggs, pr vis por, fr inf por, no fluor.



SANDSTONE: yelsh gry, lt olv gry-lt gry, vf-f, wl srt, sbang-sbrnd, mod-strg sil cmt, tr wh arg mtx, loc com slt mtx, tr lith, disaggd, com mod hd-hd aggs, pr vis por, fr inf por, no fluor.

SILTSTONE: dk gry, brnsh gry, occ med dk gry, med-crs sized frags, micmic, sltly arg, sltly sil i/p, mod hd-hd, sbblky, sbfiss.

SILTSTONE: dk gry, grysh blk, micmic, aren i/p, r lith, hd-v hd, blk, sbblky.

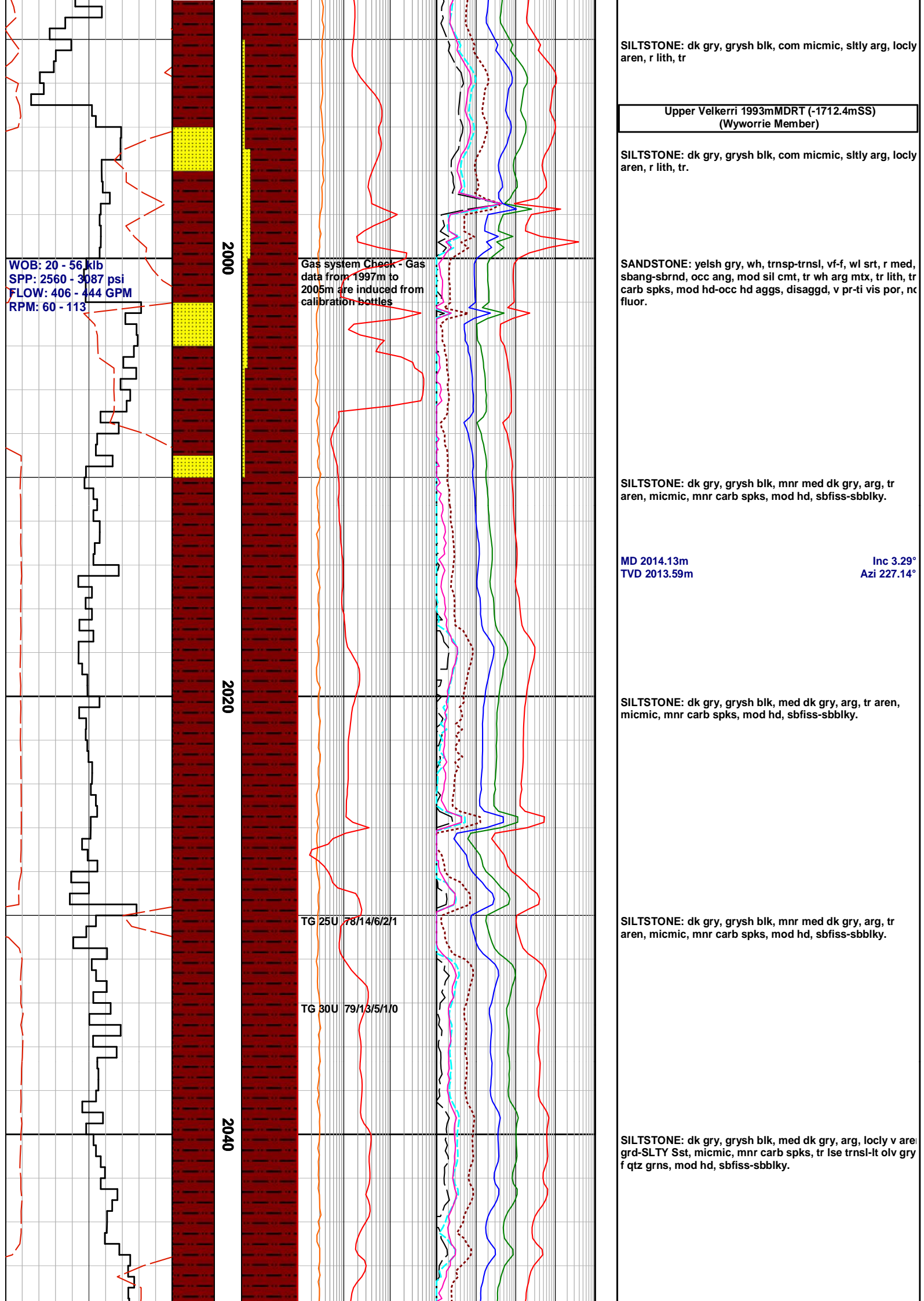
MD 1956.77m
TVD 1956.29m

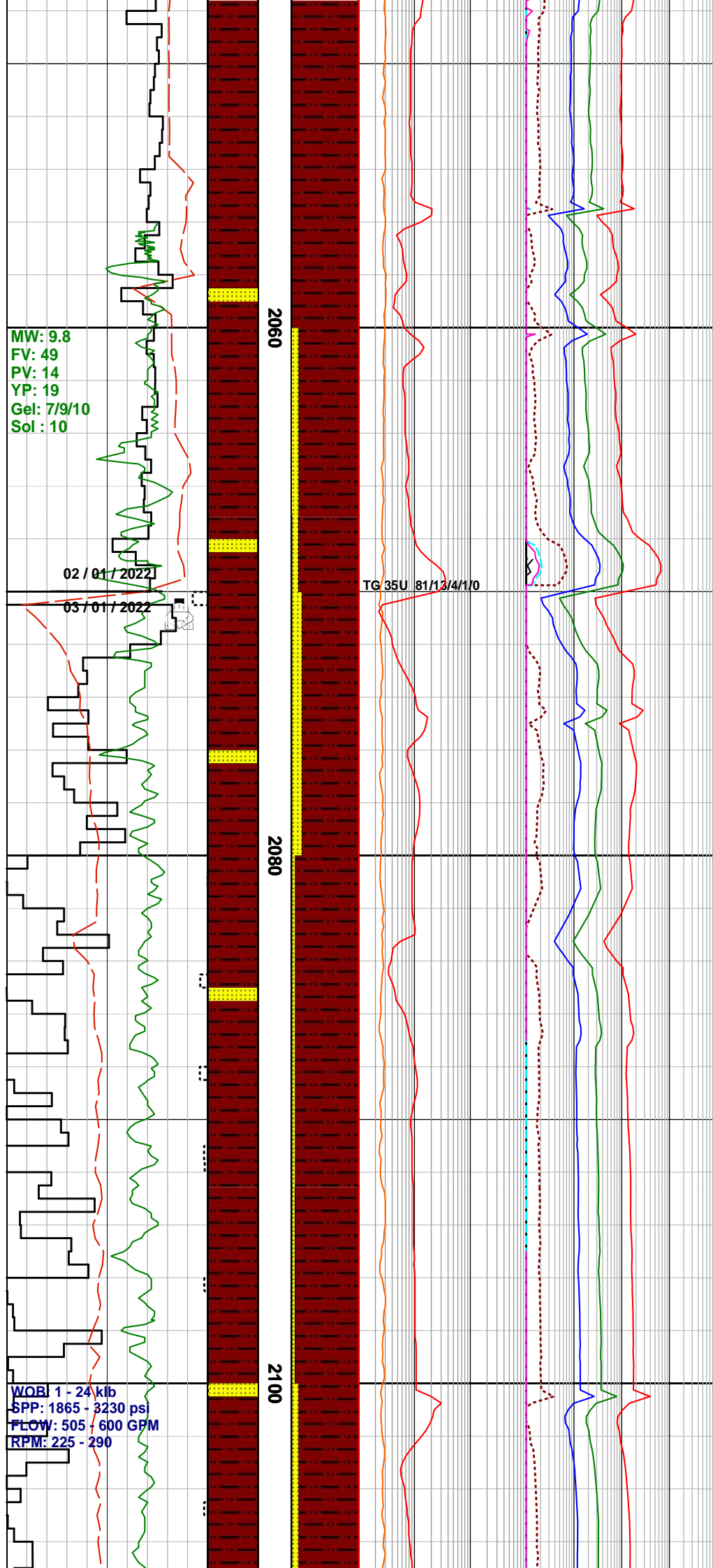
Inc 3.30°
Azi 233.23°

SILTSTONE: dk gry, grysh blk, micmic aren i/p, r lith, hd-v hd, blk, sbblky.

SILTSTONE: dk gry, grysh blk, micmic, aren i/p, r lith, hd-v hd, blk, sbblky.

SILTSTONE: dk gry, grysh blk, micmic, aren i/p, r lith, hd-v hd, blk, sbblky.





SILTSTONE: dk gry, grysh blk, med dk gry, arg, locly v are
grd-SLTY Sst, micmic, mnrcarb spks, tr lse trnsl-lt olv gry
f qtz grns, mod hd, sbfiss-sbblky.

SILTSTONE: dk gry, grysh blk, med dk gry, arg, locly v are
grd-SLTY Sst, micmic, mnrcarb spks, tr lse trnsl-lt olv gry
f qtz grns, mod hd, sbfiss-sbblky.

SANDSTONE: yelsh gry, lt olv gry, wh, trnsl, vf-f, wl srt,
sbang-sbrnd, mod-strg sil cmt, tr wh arg mtz i/p, tr lith, tr
carb spks, mod hd-hd aggs, tr disaggd, v pr-ti vis por, no
fluor.

SILTSTONE: dk gry, grysh blk, occ med dk gry, arg, tr vf
qtz inclis i/p, micmic, mnrcarb spks, mod hd,
sbfiss-sbblky.

POOH to change BHA

MD 2071.54m
TVD 2070.93m

Inc 3.06°
Azi 217.11°

NB#5 8 3/4"
Baker PDC - s/n 7916431
Jets 3 x 13,3 x 11 / TFA 0.6673in2
In: 2070m, Out:2382 m
Run: 312m, Hrs: 16.3
Cond: 1-1-CT-T-X-I-WT-DMF

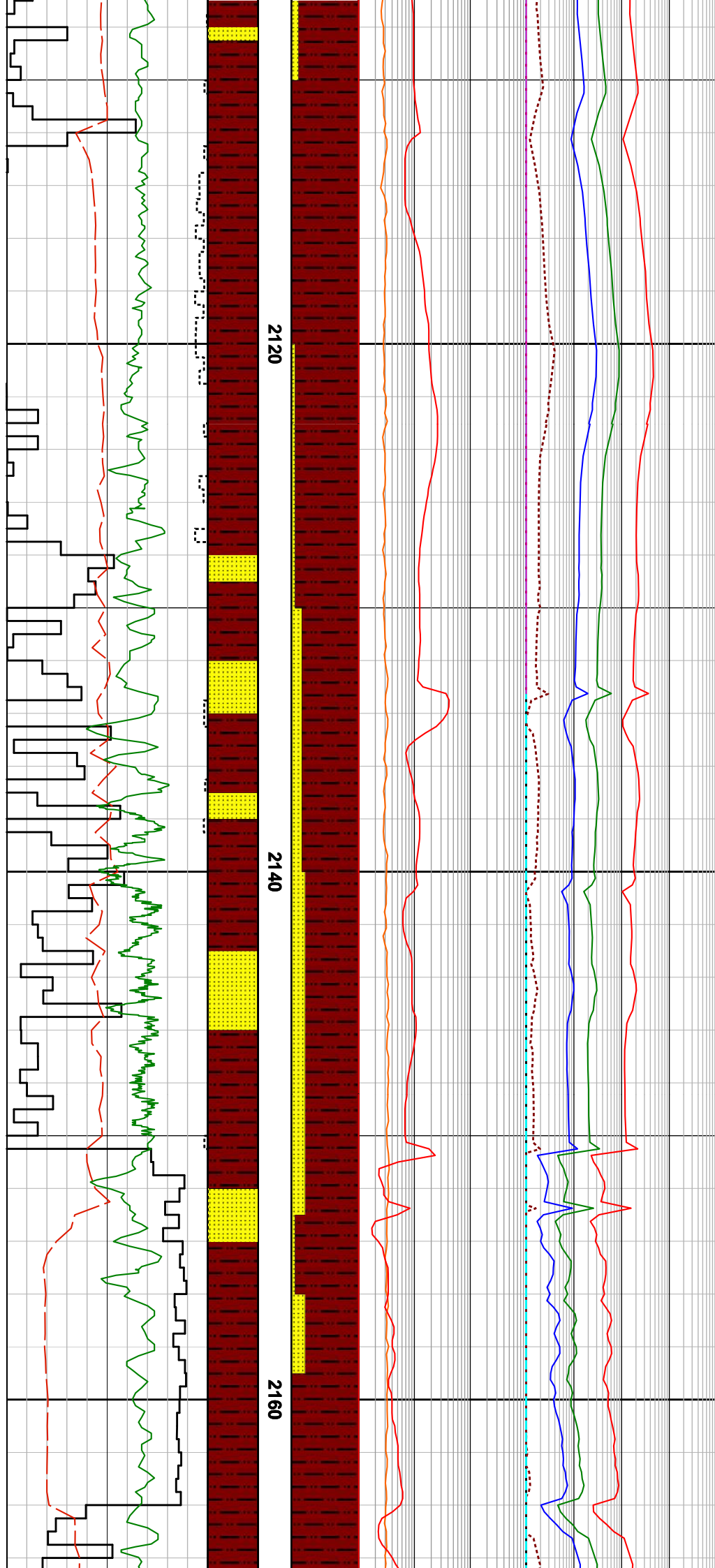
SANDSTONE: yelsh gry, lt olv gry, occ wh, tr olv gry, vf-f,
wl srt, sbang-sbrnd, mod-strg sil cmt, com slt mtz i/p, tr
lith, tr carb spks, mod hd-hd aggs, v pr-ti vis por, no fluor.

SILTSTONE: dk gry, brnsh gry, olv gry, tr grysh blk, arg, vf
qtz inclis i/p wh olv gry, micmic, mnrcarb spks, mod hd,
sbfiss-sbblky.

MD 2100.25m
TVD 2099.59m

Inc 3.45°
Azi 219.06°

SANDSTONE: olv gry, vf, wl srt, sbang-sbrnd, mod-strg sil
cmt, abdt slt mtz grd-aren Slst i/p, tr lith, mod hd-hd aggs,
ti vis por, no fluor.



SILTSTONE: dk gry, brnsh gry, olv gry, tr grysh blk, arg, vf qtz incls i/p wh olv gry, micmic, mnř carb spks, mod hd, sbfiss-sbblky, loc com vf qtz incls..

SILTSTONE: dk gry, brnsh gry, olv gry, tr grysh blk, arg, vf qtz incls i/p wh olv gry, micmic, mnř carb spks, mod hd, sbfiss-sbblky, loc com vf qtz incls..

MD 2128.87m
TVD 2128.15m

Inc 4.08°
Azi 217.65°

SANDSTONE: olv gry, med gry, occ med lt gry, vf, wl srt, sbang-sbrnd, mod-strg sil cmt, loc wk calc cmt, com-abdt slt mtx grd-aren Sltst, tr lith, r pyr nods, mod hd-hd aggs, t vis por, no fluor.

SILTSTONE: dk gry, brnsh gry, tr olv gry, sltly arg, tr vf qtz incls i/p, micmic, mnř carb spks, mod hd, sbfiss-sbblky.

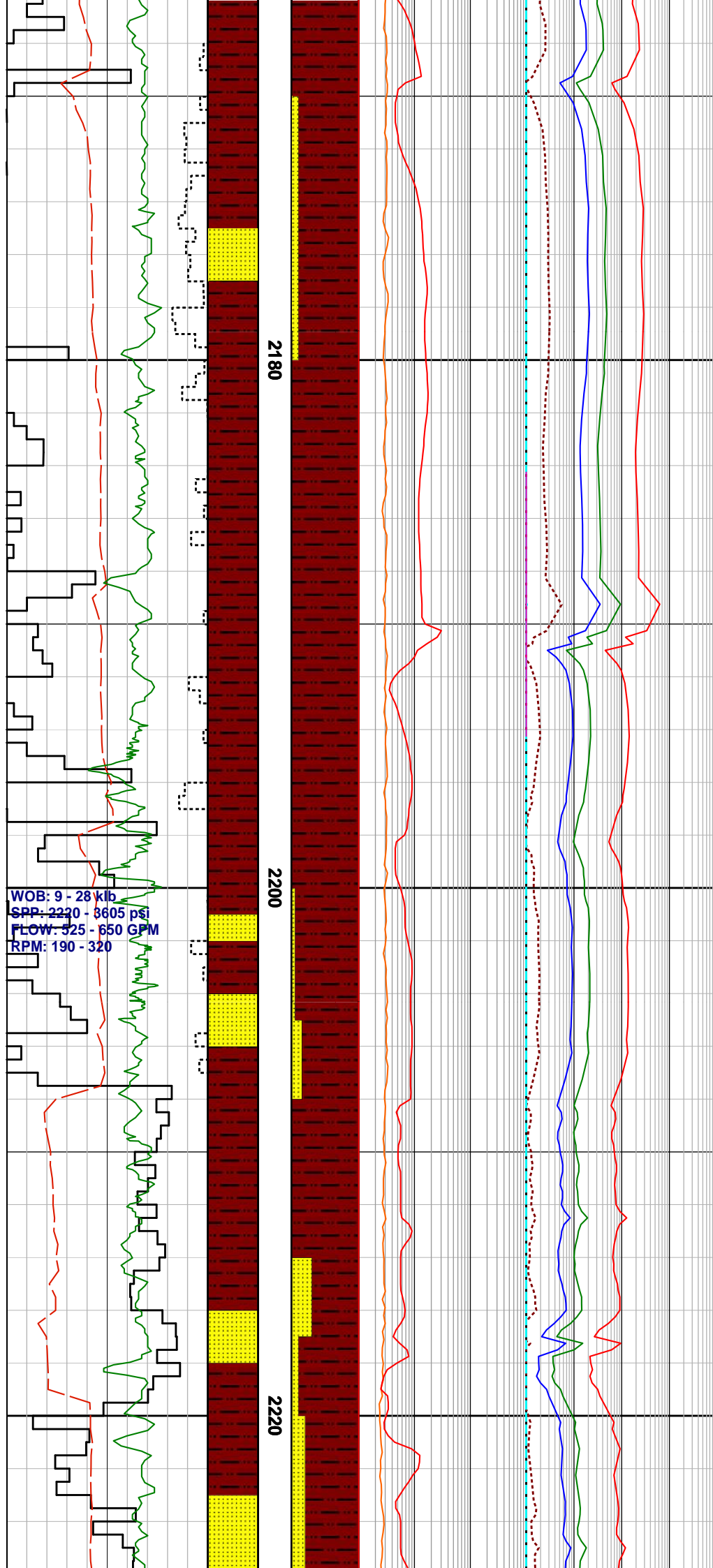
SANDSTONE: olv gry, med gry, occ med lt gry, vf, wl srt, sbang-sbrnd, mod-strg sil cmt, loc wk calc cmt, com-abdt slt mtx grd-aren Sltst, tr lith, r pyr nods, mod hd-hd aggs, t vis por, no fluor.

Slide drill from 2154m to 2164m

MD 2157.61m
TVD 2156.83m

Inc 3.45°
Azi 211.56°

SILTSTONE: dk gry, brnsh gry, tr olv gry, sltly arg, tr vf qtz incls i/p, micmic, mnř carb spks, r dissem pyr i/p, mod hd-occ hd, sbfiss-sbblky.



SANDSTONE: lt olv gry, med lt gry, tr yelsh gry, vf, wl srt, sbang-sbrnd, mod-strg sil cmt, com slt mtx, grd-aren Slst i/p, loc tr lith, mod hd-hd aggs, ti vis por, no fluor.

SILTSTONE: dk gry, brnsh gry, tr olv gry, sltly arg, tr vf qtz incls i/p, micmic, mntr carb spks, r vf dissem pyr, mod hd, sbfiss-sbblky.

SILTSTONE: dk gry, brnsh gry, tr olv gry, sltly arg, tr vf qtz incls i/p, micmic, mntr carb spks, r vf dissem pyr, mod hd, sbfiss-sbblky.

MD 2186.22m
TVD 2185.38m

Inc 4.00°
Azi 199.66°

SILTSTONE: dk gry, brnsh gry, tr lt gry vf Sst aggs, tr vf qt incls i/p, micmic, mntr carb spks, r vf dissem pyr, mod hd, sbfiss-sbblky.

SANDSTONE: lt olv gry, lt gry-med lt gry, vf, wl srt, sbang-sbrnd, mod-strg sil cmt, com slt mtx, grd-aren Slst i/p, loc tr lith, mod hd-hd aggs, ti vis por, no fluor.

SILTSTONE: dk gry, brnsh gry, tr olv gry, sltly arg, micmic, mntr carb spks, r vf dissem pyr, mod hd, sbfiss-sbblky.

Slide drill from 2208m to 2218m

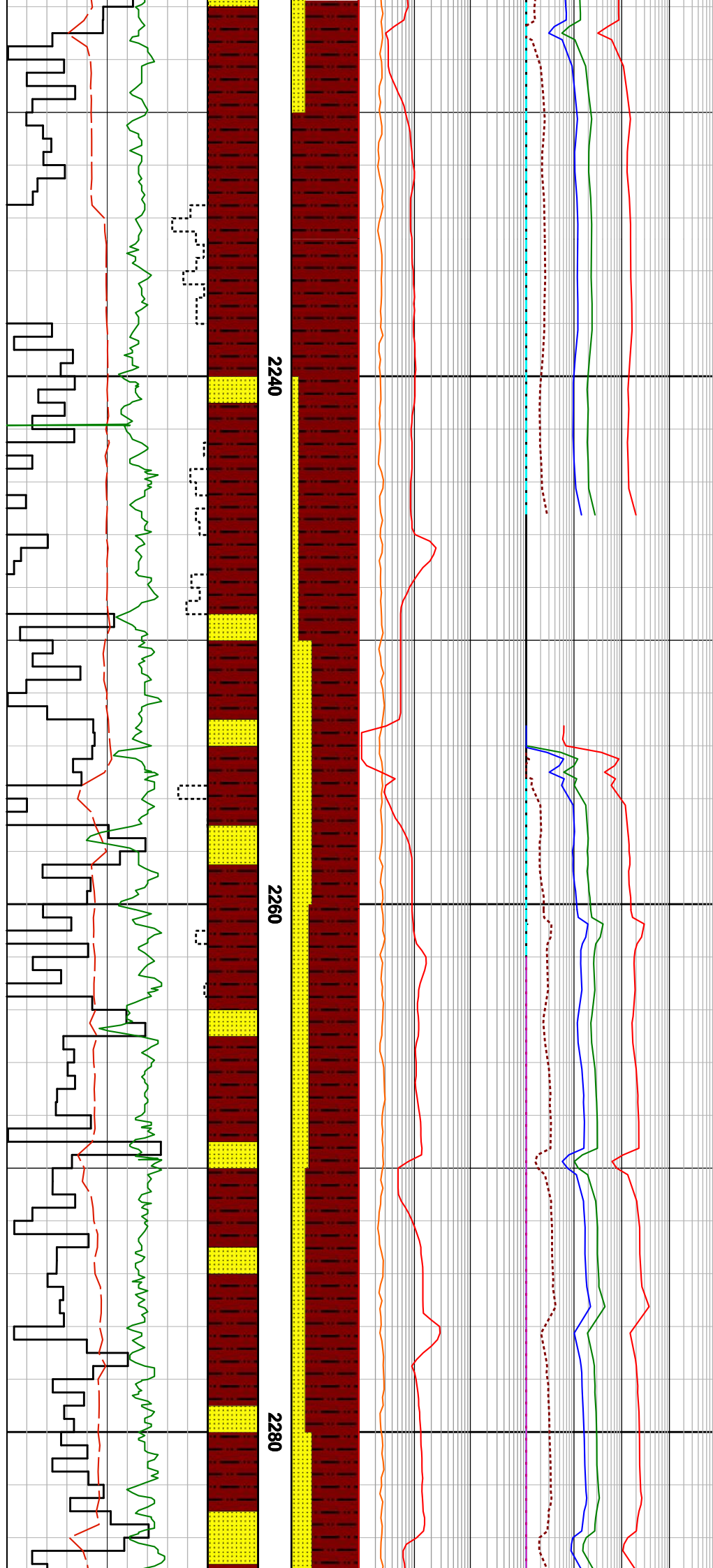
SILTSTONE: dk gry, brnsh gry, tr olv gry, sltly arg, micmic, mntr carb spks, r vf dissem pyr, mod hd, sbfiss-sbblky.

MD 2214.71m
TVD 2213.80m

Inc 4.10°
Azi 203.15°

SILTSTONE: dk gry, brnsh gry, tr olv gry, sltly arg, micmic, tr carb spks, mod hd-hd, sbfiss-sbblky.

SANDSTONE: lt gry-med lt gry, tr lt olv gry, vf, wl srt, sbang-sbrnd, mod-strg sil cmt, com slt mtx, grd-aren Slst i/p, loc tr lith, mod hd-hd aggs, ti vis por, no fluor.



SILTSTONE: dk gry, brnsh gry, tr olv gry, sltly arg, micmic, sbang-sbrnd, mod-strg sil cmt, wk-mod calc cmt, tr lith, mod hd-hd aggs, ti vis por, no fluor.

SILTSTONE: dk gry, brnsh gry, tr olv gry, sltly arg, micmic, tr carb spks, mod hd-hd, sbfiss-sbblky.

SILTSTONE: dk gry, brnsh gry, tr olv gry, sltly arg, micmic, tr carb spks, mod hd-hd, sbfiss-sbblky.

MD 2243.28m
TVD 2242.31m

Inc 3.36°
Azi 208.77°

SANDSTONE: lt gry-med lt gry, tr lt olv gry, vf, wl srt, sbang-sbrnd, mod-strg sil cmt, wk-mod calc cmt, tr lith, mod hd-hd aggs, ti vis por, no fluor.

Gas system offline from 2246m to 2254m due to loss of rig air

SANDSTONE: lt gry, med lt gry, tr lt olv gry, vf, wl srt, sbang-sbrnd, mod sil cmt, wk calc cmt i/p, slt/arg mtx i/p, tr lith, mod hd-hd aggs, ti vis por, no fluor.

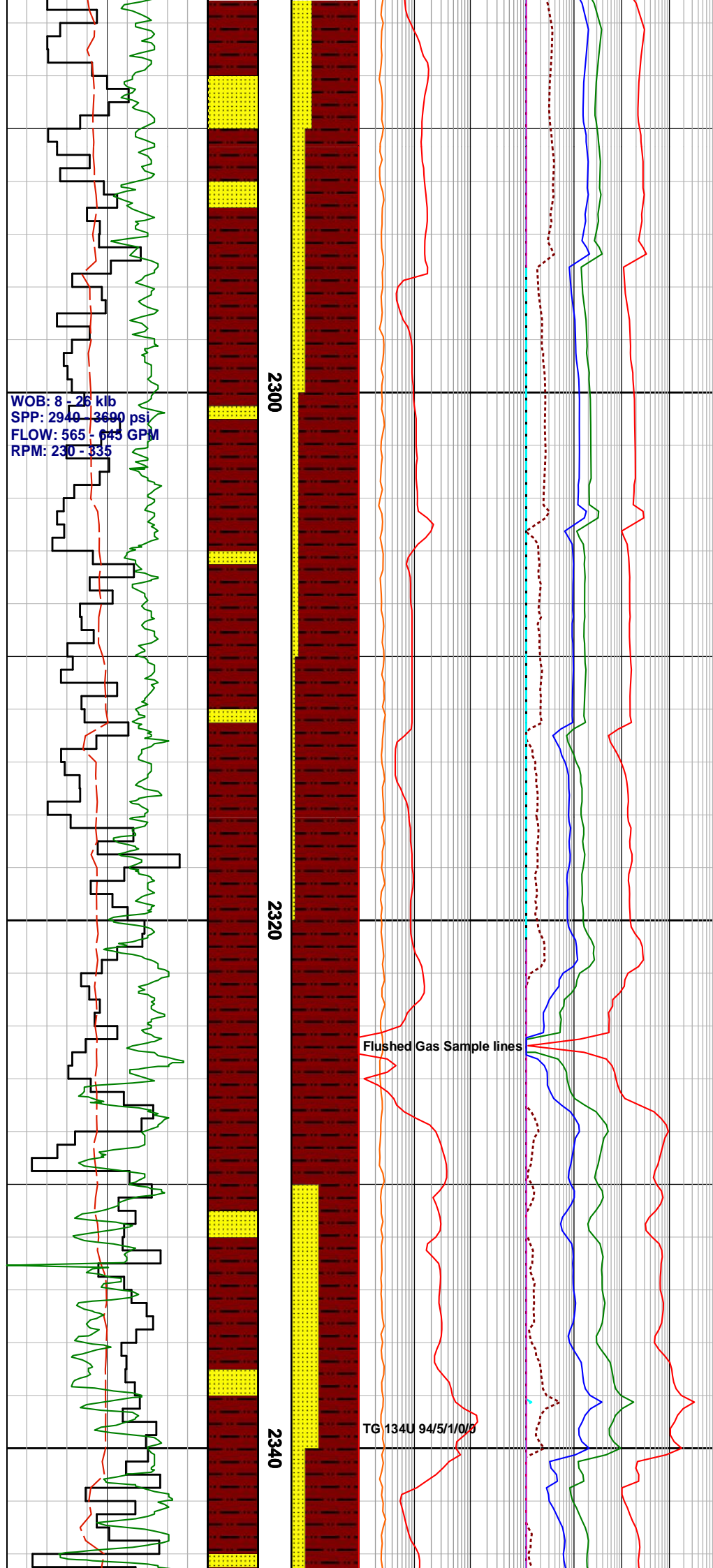
SILTSTONE: dk gry, brnsh gry, tr olv gry, sltly arg, micmic, tr carb spks, vf qtz inclis i/p, mod hd-hd, sbfiss-sbblky.

MD 2271.79m
TVD 2270.79m

Inc 2.05°
Azi 200.01°

SILTSTONE: dk gry, brnsh gry, tr olv gry, sltly arg, micmic, tr carb spks, vf qtz inclis i/p, mod hd-hd, sbfiss-sbblky.

SANDSTONE: lt gry, med lt gry, tr lt olv gry, vf, wl srt, sbang-sbrnd, mod sil cmt, wk calc cmt i/p, slt/arg mtx i/p, tr lith, mod hd-hd aggs, ti vis por, no fluor.



SILTSTONE: dk gry, brnsh gry, tr olv gry, sltly arg, micmic, tr carb spks, vf qtz inclis i/p, mod hd-hd, sbfiss-sbblky.

SANDSTONE: lt gry, med lt gry, tr lt olv gry, vf, wl srt, sbang-sbrnd, mod sil cmt, wk calc cmt i/p, slt/arg mtx i/p, tr lith, mod hd-hd aggs, ti vis por, no fluor.

MD 2300.41m
TVD 2299.38m

Inc 2.67°
Azi 167.08°

SILTSTONE: dk gry, brnsh gry, tr olv gry, sltly arg, micmic, tr carb spks, vf qtz inclis i/p, mod hd-hd, sbfiss-sbblky.

SANDSTONE: lt gry, med lt gry, tr lt olv gry, vf, wl srt, sbang-sbrnd, mod sil cmt, wk calc cmt i/p, slt/arg mtx i/p, tr lith, mod hd-hd aggs, ti vis por, no fluor.

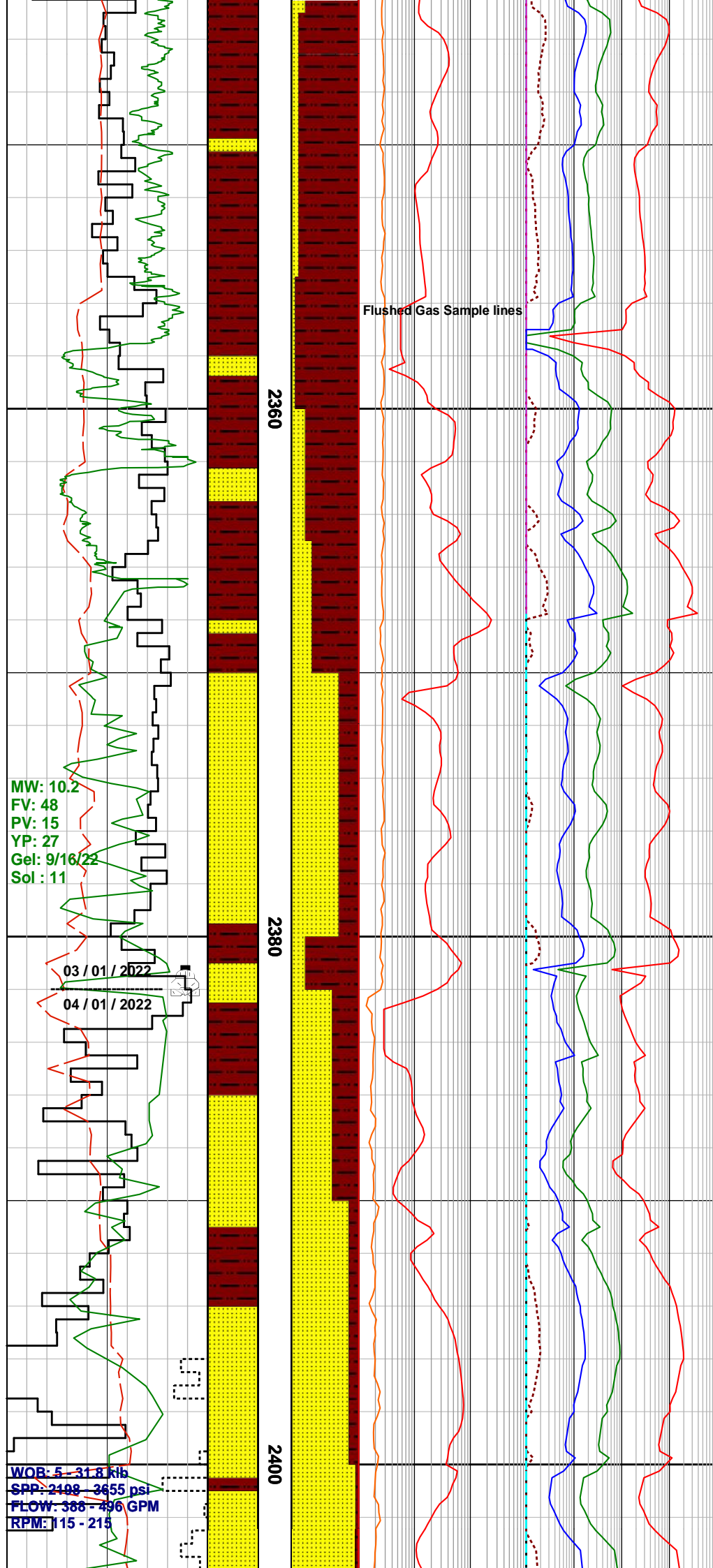
SILTSTONE: dk gry, brnsh gry, tr olv gry, sltly arg, micmic, tr carb spks, vf qtz inclis i/p, mod hd-hd, sbfiss-sbblky.

MD 2328.91m
TVD 2327.86m

Inc 2.31°
Azi 198.29°

SANDSTONE: lt gry, med lt gry, occ lt olv gry, vf, wl srt, sbang-sbrnd, mod sil cmt, occ wk calc cmt, loc com slt/arg mtx, tr lith, tr carb spks, loc micmic, mod hd-hd aggs, ti vis por, no fluor.

SILTSTONE: dk gry, brnsh gry, mngr grysh blk, sltly arg, micmic, tr carb spks, com carb mat i/p, vf qtz inclis i/p, mod hd-hd, sbfiss-sbblky.



SILTSTONE: prd grysh blk, dk gry, brnsh gry, sltly arg, micmic, tr carb spks, com carb mat, vf qtz inclis i/p, mod hd-hd, sbfiss-sbblky, occ fis.

MD 2357.60m
TVD 2356.53m

Inc 1.98°
Azi 221.03°

SILTSTONE: dk gry, brnsh gry, mngr grysh blk, sltly arg, micmic, tr carb spks, com carb mat i/p, vf qtz inclis i/p, mod hd-hd, sbfiss-sbblky.

MD 2370.00m
TVD 2368.92m

Inc 1.98°
Azi 229.50°

SILTY SANDSTONE: mott blk, grysh blk, vf, wl srt, sbang-sbrnd, mod sil cmt, abdt dk gry slt mtz grd-Sltst, lt gry arg mtz i/p, tr pyr nods, micmic i/p, mod hd-hd, ti vis por, no fluor.

SILTSTONE: med gry, med dk gry, occ brnsh gry, sltly arg, micmic, tr carb spks, tr vf qtz inclis, mod hd-hd, sbfiss-sbblky, occ fis.

POOH to change BHA

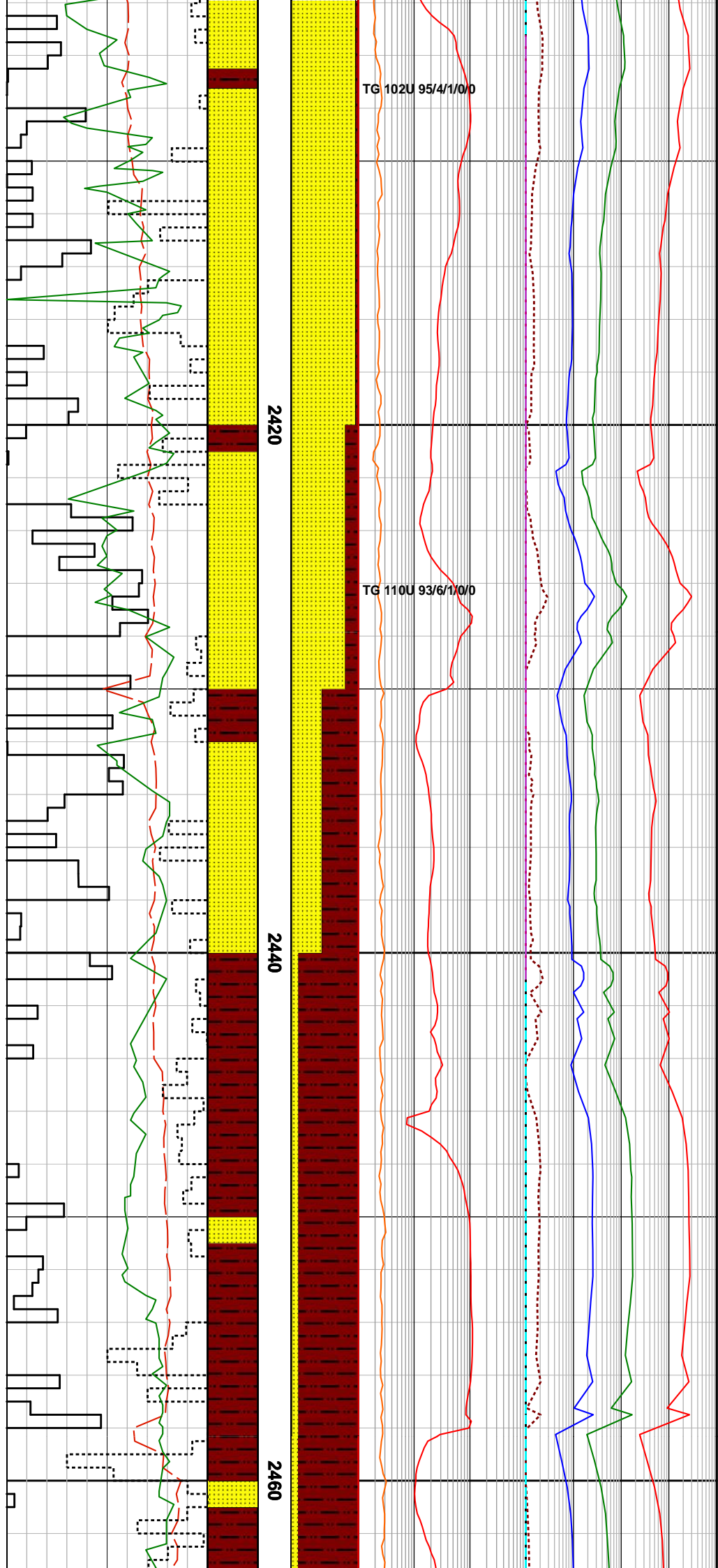
NB#6 8 3/4"
Baker PDC - s/n 7916430
Jets 6 x 13 / TFA 0.66in2
In: 2382m, Out:3050 m
Run: 668m, Hrs: 23.56
Cond: x-x-x-x-x-xx-xxx

MD 2386.32m
TVD 2385.23m

Inc 2.09°
Azi 245.18°

SILTY SANDSTONE: mott blk, grysh blk, vf, wl srt, sbang-sbrnd, mod sil cmt, abdt dk gry slt mtz grd-Sltst, lt gry arg mtz i/p, tr pyr nods, micmicaceous i/p, mod hd-hd, ti vis por, no fluor.

SILTSTONE: med gry, med dk gry, occ brnsh gry, sltly arg, micmic, tr non-calc lamtions, tr carb spks, tr vf qtz inclis, mod hd-hd, sbfiss-sbblky, occ fis.



SILTY SANDSTONE: mott dksh gry-grysh blk, vf, occ f-med, wl srt, sbang-sbrnd, mod sil cmt, mod dk gry slt mtx grd-Sltst, lt gry arg mtx i/p, tr pyr nods, micmic i/p, mod hd-hd, ti vis por, no fluor.

SANDSTONE: v lt gry-lt gry, med lt gry, lt olv gry, vf, wl srt, sbang-sbrnd, mod-strg sil cmt, com slt mtx grd-Sltst, wh arg mtx i/p, tr lith, tr carb spks, qtz in place, mod hd-hd aggs, ti vis por, no fluor.

MD 2414.75m
TVD 2413.64m

Inc 2.54°
Azi 263.17°

SILTY SANDSTONE: mott dksh gry-grysh blk, vf, occ f-med, wl srt, sbang-sbrnd, mod sil cmt, mod dk gry slt mtx grd-Sltst, lt gry arg mtx i/p, tr pyr nods, micmic i/p, mod hd-hd, ti vis por, no fluor.

SILTY SANDSTONE: mott dksh gry-grysh blk, vf, occ f-med, wl srt, sbang-sbrnd, mod sil cmt, mod dk gry slt mtx grd-Sltst, lt gry arg mtx i/p, tr pyr nods, micmic i/p, mod hd-hd, ti vis por, no fluor.

Middle Velkerri: 2435mMDRT (-2153.74mSS)
Amungee Member

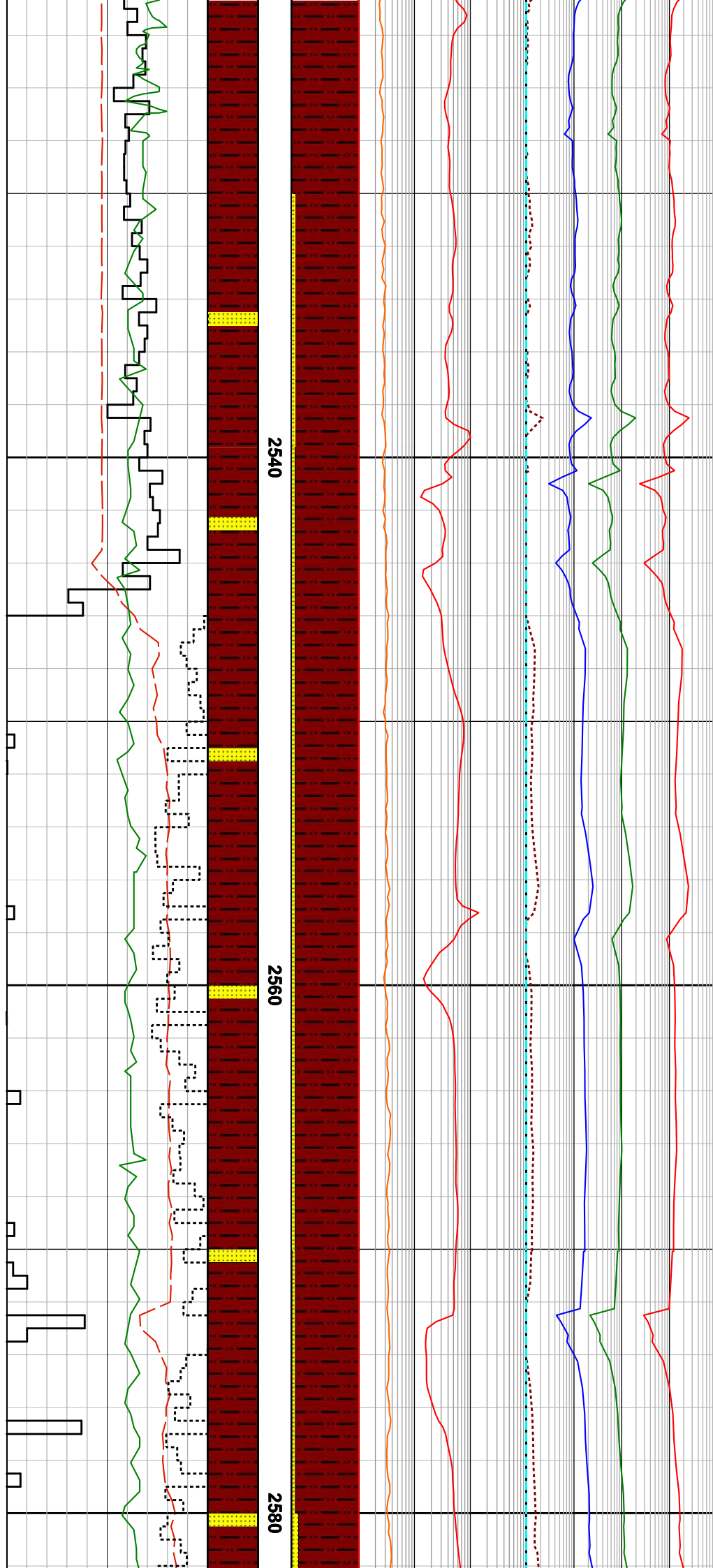
SANDSTONE: v lt gry-lt gry, med lt gry, lt olv gry, vf, wl srt, sbang-sbrnd, mod-strg sil cmt, com slt mtx grd-Sltst, wh arg mtx i/p, tr lith, tr carb spks, qtz in place, mod hd-hd aggs, ti vis por, no fluor.

MD 2443.57m
TVD 2442.43m

Inc 2.70°
Azi 265.47°

SILTSTONE: med gry, dk gry-grysh blk, com micmic, tr carb spks, tr dissem pyr, mod hd-hd, sbfiss-sbblky, occ fis

SILTSTONE: med gry, dk gry-grysh blk, com micmic, tr carb spks, tr dissem pyr, mod hd-hd, sbfiss-sbblky, occ fis



SILTSTONE: dk gry-grysh blk, com micmic, r vf gr qtz, r dissem pyr, tr glauc, hd, sltly calc, sbblky-sub fis

MD 2529.58m
TVD 2528.29m

Inc 3.76°
Azi 257.65°

SANDSTONE: wh, v lt gry-lt gry, vf-f gr, sbang-sub rnd, wl srt, mnr gry arg mtx, r carb incls, mod hd, v pr vis por, no fluor.

SILTSTONE: dk gry-grysh blk, com micmic, r vf gr qtz, r dissem pyr, tr nod pyr, tr glauc, hd, sltly calc, sbblky-sub fis

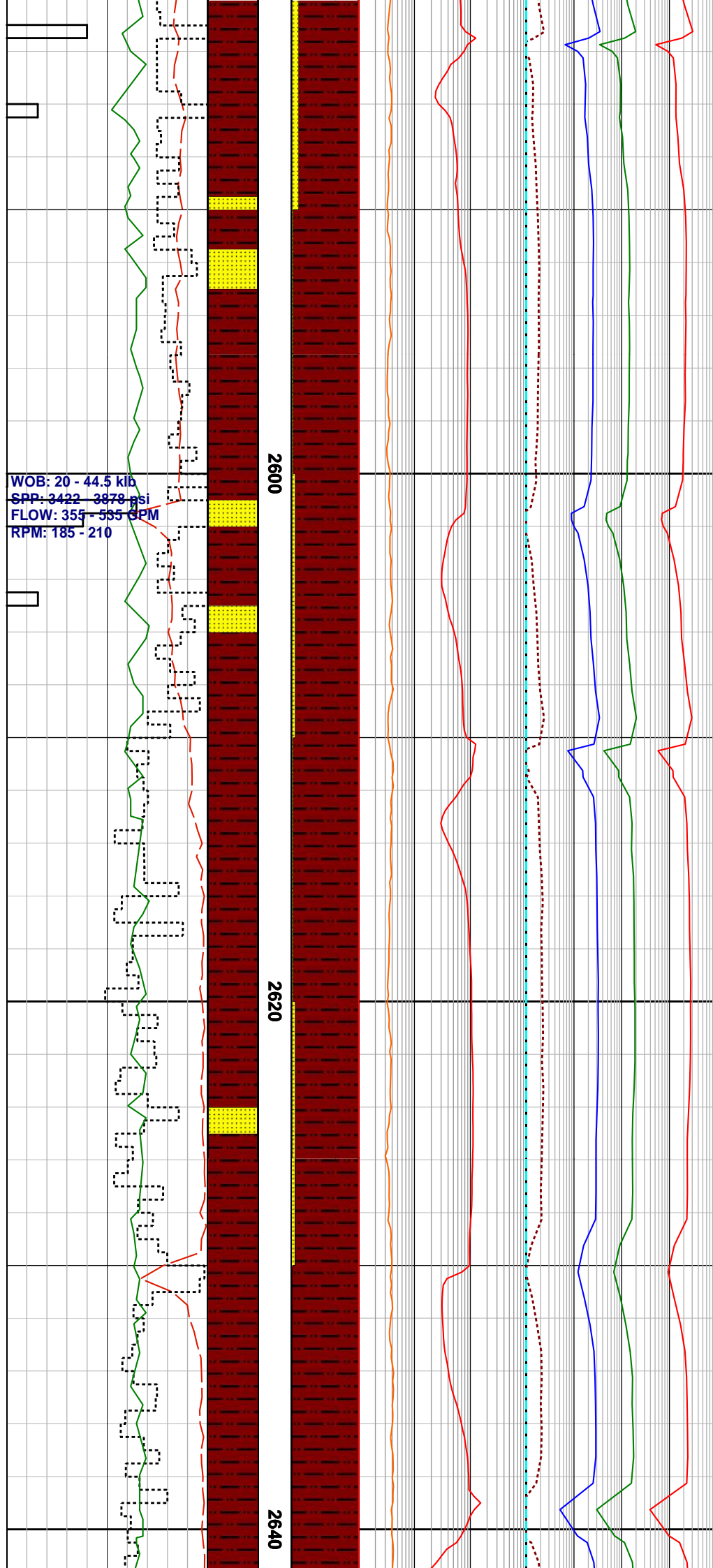
SILTSTONE: dk gry-grysh blk, med dk gry, com micmic, r vf gr qtz, r dissem pyr, tr nod pyr, tr glauc, hd, sltly calc, sbblky-sub fis

MD 2558.22m
TVD 2556.85m

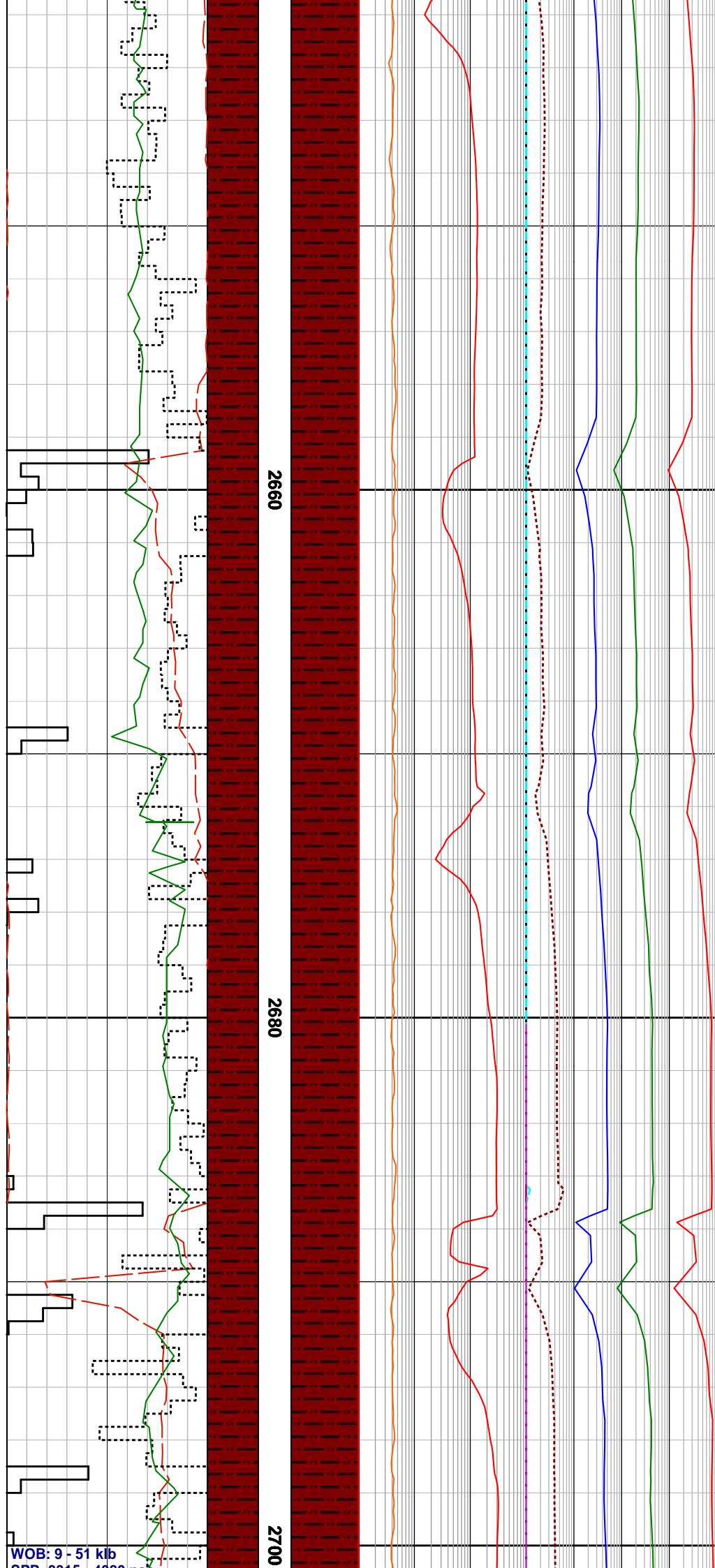
Inc 4.67°
Azi 246.81°

SANDSTONE: wh, v lt gry-lt gry, lt grnsh gry, trnsi, occ mott, vf-f gr, sbang-sub rnd, wl srt, mnr gry arg mtx, r carb incls, mod hd, v pr vis por, no fluor.

SILTSTONE: dk gry-grysh blk, med dk gry, occ brnsh gry.



SANDSTONE: wh, v lt gry-lt gry, trnsl, occ mott.	
MD 2586.87m TVD 2585.38m	Inc 5.81° Azi 240.71°
SILTSTONE: dk gry-grysh blk, med dk gry, occ brnsh gry, sltly arg, micmic, tr carb spks, tr vf qtz incls, mod hd-hd, sbfiss-sbblky, occ fis.	
SILTSTONE: dk gry-grysh blk, med dk gry, occ brnsh gry, sltly arg, micmic, tr carb spks, tr vf qtz incls, mod hd-hd, sbfiss-sbblky, occ fis.	
SANDSTONE: wh, v lt gry-lt gry, trnsl, occ mott, vf-f gr, sbang-sub rnd, wl srt, mnr gry arg mtx, r carb incls, mod hd, occ frm, v pr vis por, no fluor.	
SILTSTONE: dk gry-grysh blk, med dk gry, occ brnsh gry, com micmic, r vf gr qtz, r dissem pyr, tr nod pyr, tr glauc, frm, hd, sltly calc, sbblky-sub fis	
MD 2615.58m TVD 2613.92m	Inc 6.97° Azi 233.71°
SILTSTONE: dk gry-grysh blk, med dk gry, occ brnsh gry, com micmic, r vf gr qtz, r dissem pyr, tr nod pyr, tr glauc, frm, hd, sltly calc, sbblky-sub fis	
SANDSTONE: wh, v lt gry-lt gry, trnsl, occ mott, vf-f gr, sbang-sub rnd, wl srt, mnr gry arg mtx, r carb incls, mod hd, occ frm, v pr vis por, no fluor.	
SILTSTONE: dk gry-grysh blk, med dk gry, occ brnsh gry, com micmic, r vf gr qtz, r dissem pyr, tr nod pyr, tr glauc, frm, hd, sltly calc, sbblky-sub fis	
SILTSTONE: dk gry-grysh blk, med dk gry, occ brnsh gry, com micmic, r vf gr qtz, r dissem pyr, tr nod pyr, tr glauc, frm, hd, sltly calc, sbblky-sub fis	



MD 2644.31m
TVD 2642.43m

Inc 7.16°
Azi 243.14°

SILTSTONE: dk gry-grysh blk, med dk gry, occ brnsh gry, com micmic, r vf gr qtz, r dissem pyr, tr nod pyr, tr glauc, frm, hd, sltly calc, sbblky-sub fis.

SILTSTONE: brnsh gry, dk gry, grysh blk, com micmic, r vf-gr qtz, tr glauc, r dissem pyr, r pyr nods, mod hd-hd, frm, sbblky-sub fis, occ splin.

SILTSTONE: brnsh gry, dk gry, grysh blk, com micmic, r vf-gr qtz, r dissem pyr, r pyr nods, mod hd-hd, frm, sbblky-sub fis, occ splin.

MD 2672.96m
TVD 2670.85m

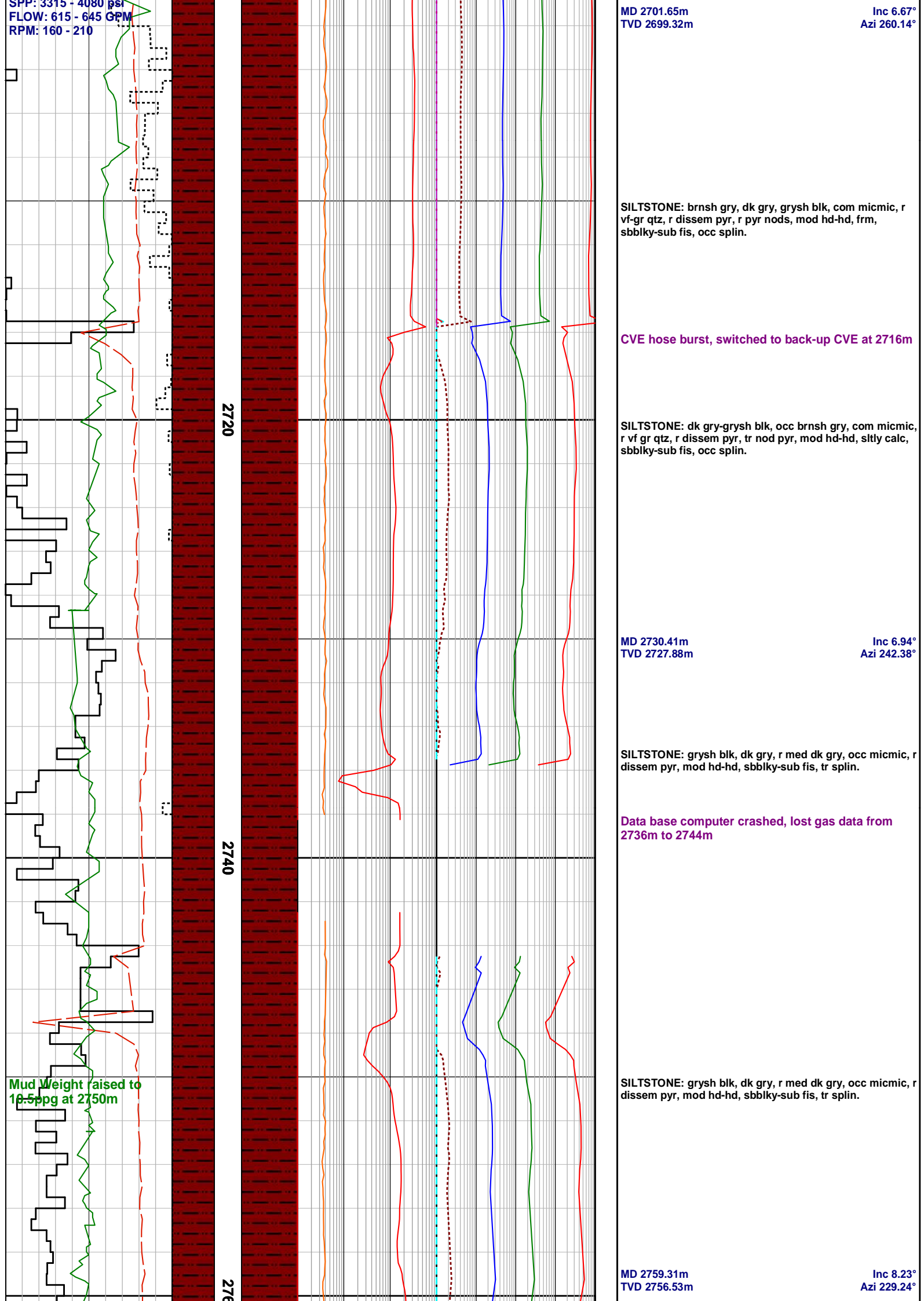
Inc 7.48°
Azi 257.46°

Middle Velkerri: 2674mMDRT (-2391.8mSS)
'B' Shale

SILTSTONE: dk gry-grysh blk, occ brnsh gry, com micmic, r vf gr qtz, r dissem pyr, tr nod pyr, mod hd-hd, sltly calc, sbblky-sub fis, occ splin.

SILTSTONE: dk gry-grysh blk, occ brnsh gry, com micmic, r vf gr qtz, r dissem pyr, tr nod pyr, mod hd-hd, sltly calc, sbblky-sub fis, occ splin.26

SPP: 3315 - 4080 psi
FLOW: 615 - 645 GPM
RPM: 160 - 210



MD 2701.65m
TVD 2699.32m

Inc 6.67°
Azi 260.14°

SILTSTONE: brnsh gry, dk gry, grysh blk, com micmic, r vf-gr qtz, r dissem pyr, r pyr nods, mod hd-hd, frm, sbblky-sub fis, occ splin.

CVE hose burst, switched to back-up CVE at 2716m

SILTSTONE: dk gry-grysh blk, occ brnsh gry, com micmic, r vf gr qtz, r dissem pyr, tr nod pyr, mod hd-hd, sltly calc, sbblky-sub fis, occ splin.

MD 2730.41m
TVD 2727.88m

Inc 6.94°
Azi 242.38°

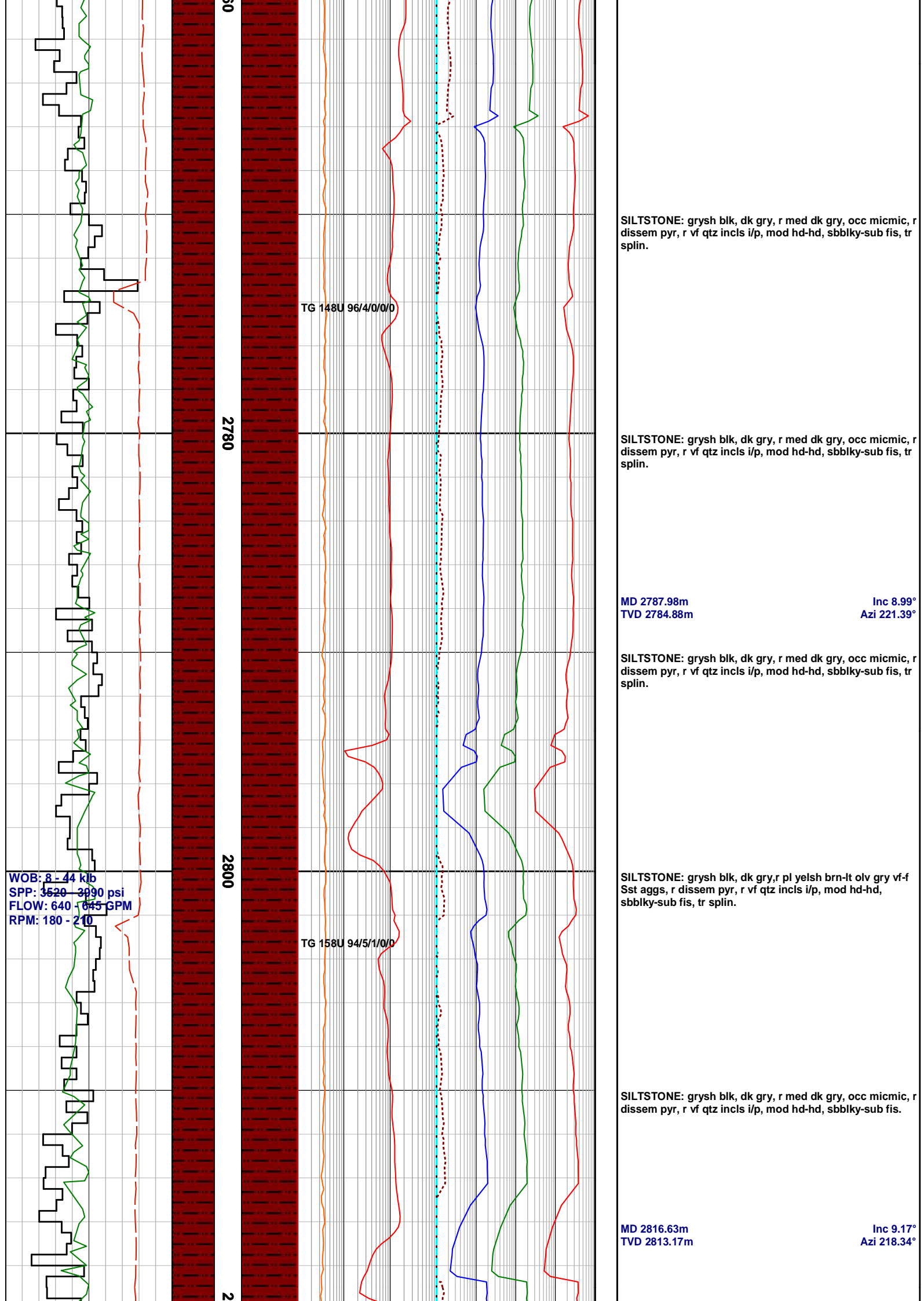
SILTSTONE: grysh blk, dk gry, r med dk gry, occ micmic, r dissem pyr, mod hd-hd, sbblky-sub fis, tr splin.

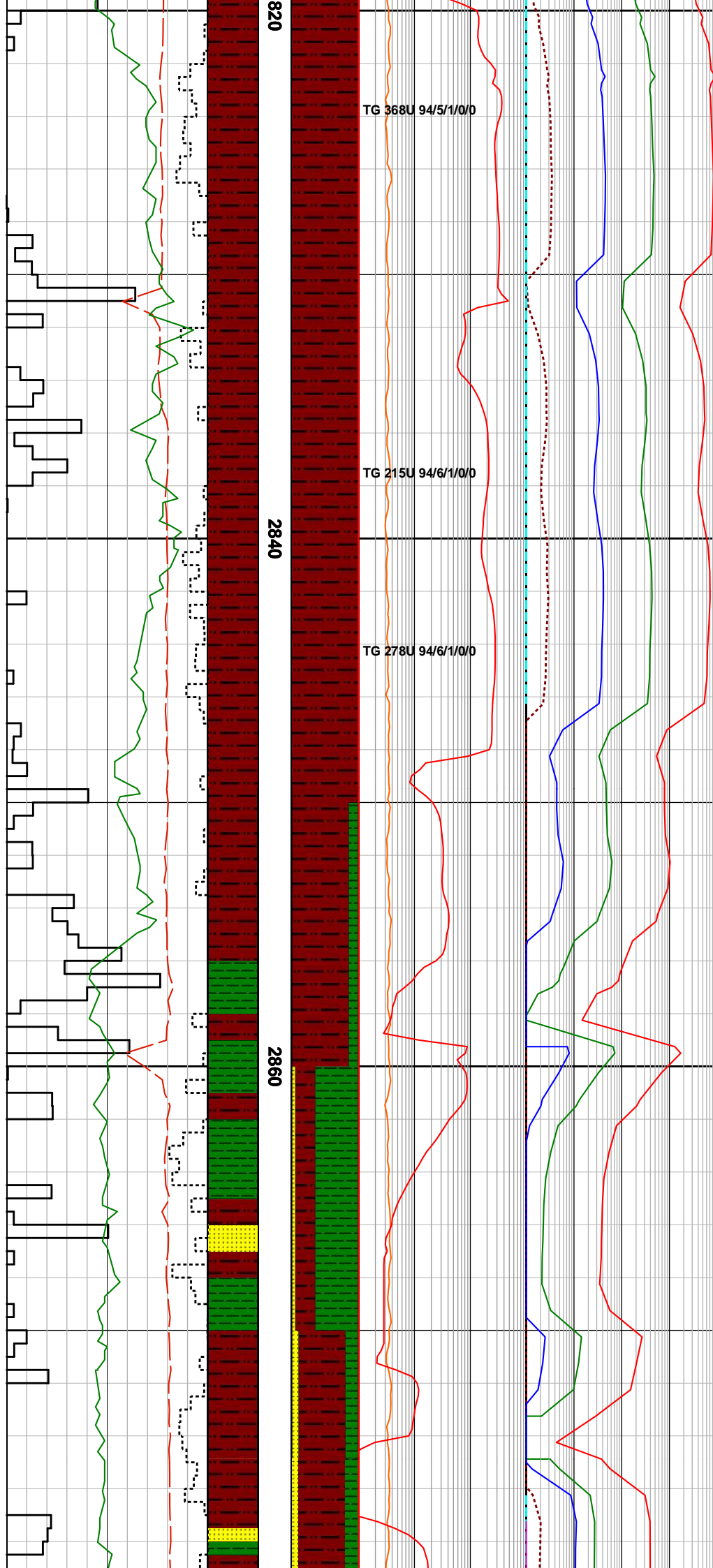
Data base computer crashed, lost gas data from 2736m to 2744m

SILTSTONE: grysh blk, dk gry, r med dk gry, occ micmic, r dissem pyr, mod hd-hd, sbblky-sub fis, tr splin.

MD 2759.31m
TVD 2756.53m

Inc 8.23°
Azi 229.24°





SILTSTONE: grysh blk, dk gry, r med dk gry, occ micmic, r disseminated pyr, r vf qtz incls i/p, mod hd-hd, sbblky-sub fis.

Middle Velkerri: 2825mMDRT (-2541.3mSS)
'A' Shale

SILTSTONE: grysh blk, dk gry, r med dk gry, sltly arg, occ micmic, r disseminated pyr, r vf qtz incls i/p, mod hd-hd, sbblky-sub fis.

SILTSTONE: grysh blk, dk gry, r med dk gry, sltly arg, occ micmic, r disseminated pyr, r vf qtz incls i/p, mod hd-hd, sbblky-sub fis.

MD 2845.25m
TVD 2841.40m
Inc 9.56°
Azi 217.49°

SILTSTONE: grysh blk, dk gry, r med dk gry, occ micmic, r disseminated pyr, r vf qtz incls i/p, mod hd-hd, sbblky-sub fis.

CLAYSTONE: lt gry, frm-mod hd, sbfiss, occ sbblky, tr flk.

Troubleshoot on CVE, lost flow from 2856m to 2859m

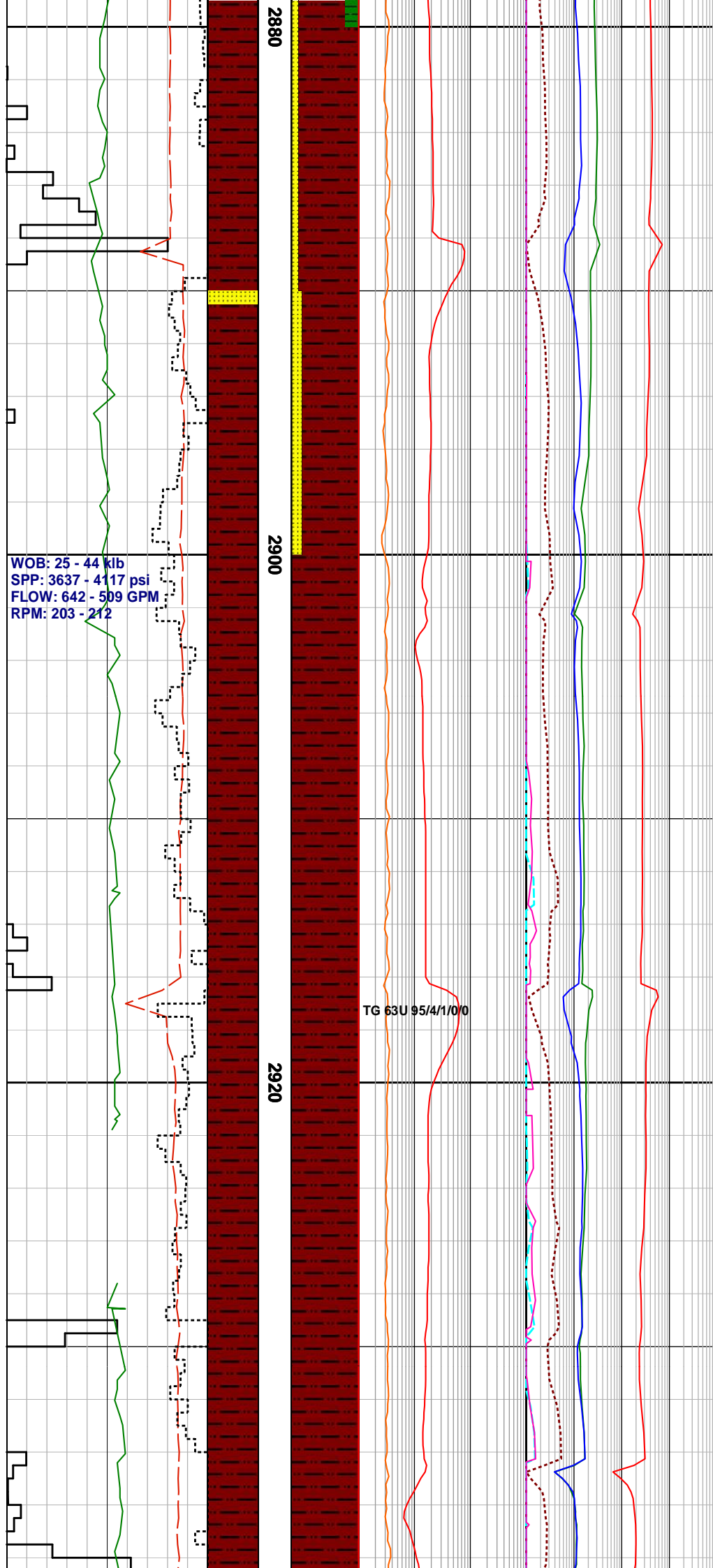
Lower Velkerri: 2860mMDRT (-2575.8mSS)

CLAYSTONE: lt gry, loc wkly sil, sltly SLTY i/p, r carb spks frm-mod hd, sbfiss, occ sbblky, tr flk.

SANDSTONE: v lt gry-lt gry, dk yelsh brn, vf, wl srt, com lt gry arg mtx, locly abdt arg mtx grd-aren Clst, tr lith, mod hd, v pr vis por, no fluor.

MD 2873.99m
TVD 2869.73m
Inc 9.97°
Azi 222.15°

Troubleshoot on CVE, lost flow from 2874m to 2877m



SILTSTONE: lt-med lt gry, mod arg, locly v arg grd-slty Clst, locly v fnly aren, wkly sil i/p, hd, blkly-sub fis.

SILTSTONE: lt-med lt gry, mod arg, locly v arg grd-slty Clst, locly v fnly aren, wkly sil i/p, hd, blkly-sub fis.

SANDSTONE: lt gry, tr yelsh gry, vf-f, wl srt, sbang-sub rnd, mod-strg sil cmt, com lt gry arg mtx i/p, tr lith, mod hd-hd, ti-v pr vis por, no fluor.

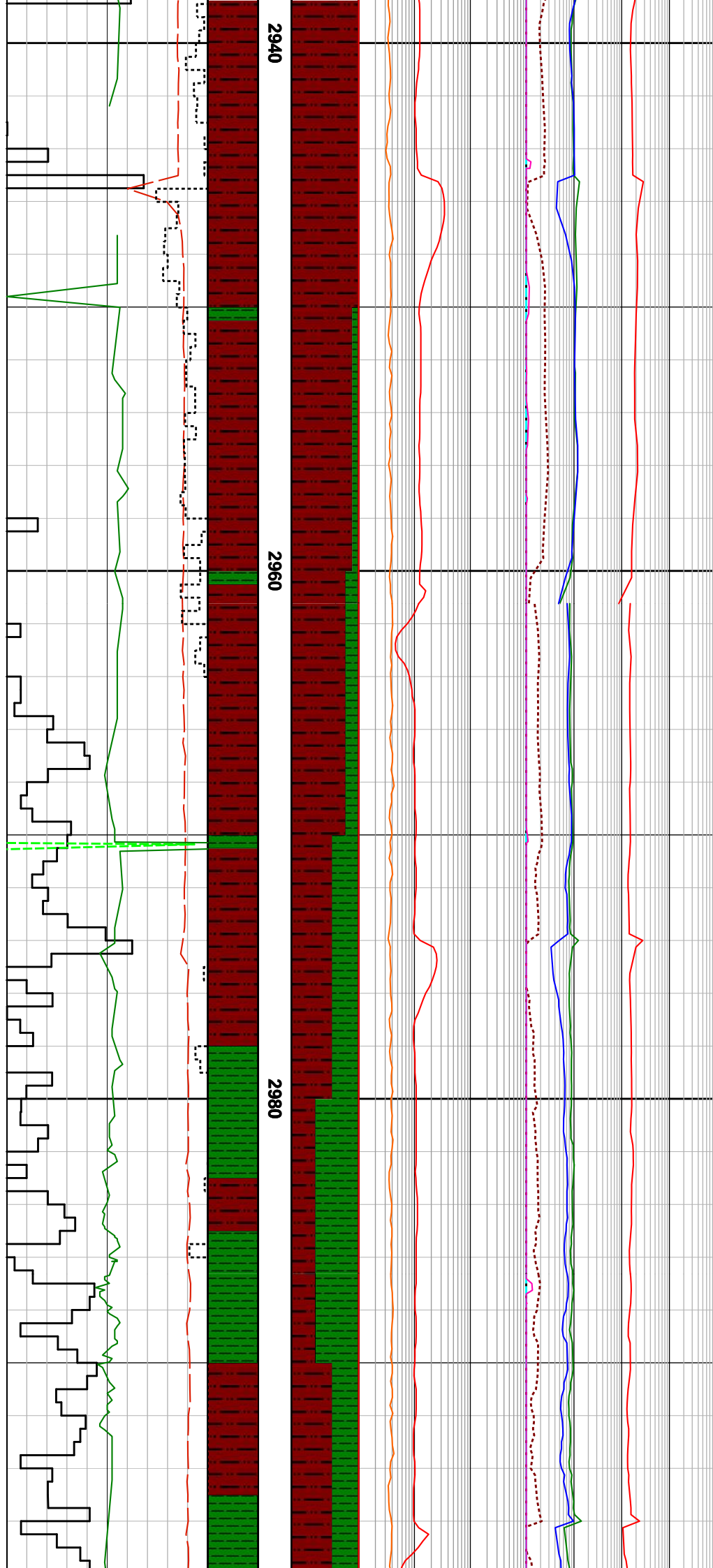
MD 2902.45m
TVD 2897.79m
Inc 9.34°
Azi 216.59°

SILTSTONE: med lt gry-med gry, occ med dk gry, mod arg grd-slty Clst, locly v fnly aren, wkly sil i/p, r pyr nods, hd, sbblky-sub fis.

SILTSTONE: med lt gry-med gry, occ med dk gry, mod arg grd-slty Clst, locly v fnly aren, wkly sil i/p, r pyr nods, hd, sbblky-sub fis.

SILTSTONE: med gry, mnr med dk gry, sltly arg, micmic i/p, wkly sil i/p, r pyr nods, hd, sbblky-sub fis.

MD 2931.13m
TVD 2926.08m
Inc 9.58°
Azi 212.14°



SILTSTONE: med gry, mnr med dk gry, sltly arg, micmic i/p, wkly sil i/p, r pyr nods, hd, sbblky-sub fis.

SILTSTONE: med gry, mnr med dk gry, sltly arg, micmic i/p, wkly sil i/p, r pyr nods, hd, sbblky-sub fis.

MD 2959.86m
TVD 2954.39m

Inc 10.07°
Azi 207.49°

SILTSTONE: med gry, med lt-med gry, bluish gry, arg, cart frags, mod hd-hd, sbblky-sub fis.

SILTSTONE: med gry, med lt-med gry, bluish gry, arg, cart frags, mod hd-hd, sbblky-sub fis.

CLAYSTONE: lt gry, wh gry, occ lt-med gry, grd-arg Silst i/p, sltly calc, tr micmic, sft, frm i/p, sub fis.

SILTSTONE: med gry, med lt-med gry, bluish gry, arg, cart frags, mod hd-hd, sbblky-sub fis.

CLAYSTONE: lt gry, wh gry, occ lt-med gry, grd-arg Silst i/p, sltly calc, tr micmic, sft, frm i/p, sub fis.

MD 2988.54m
TVD 2982.67m

Inc 8.87°
Azi 206.23°

SILTSTONE: med lt-med gry, bluish gry, arg, carb frags, mod hd, sbblky-sub fis.

WOB: 28 - 45.8 klb
SPP: 3694 - 4254 psi
FLOW: 638 - 642 GPM
RPM: 162 - 211

MW: 10.9
FV: 56
PV: 21
YP: 31
Gel: 16/26/31
Sol : 10

05 / 01 / 2022
06 / 01 / 2022

3000

3020

3040

TG 59U 94/5/1/0/0

CLAYSTONE: lt gry, wh gry, occ lt-med gry, occ mott, grd-arg Sltst i/p, sltly calc, tr micmic, sft, frm i/p, sub fis.

CLAYSTONE: lt gry, wh gry, occ lt-med gry, occ mott, grd-arg Sltst i/p, sltly calc, tr micmic, sft, frm i/p, sub fis.

MD 3017.28m
TVD 3011.11m

Inc 7.79°
Azi 210.99°

SILTSTONE: med gry, med dk gry, occ mott, aren, tr micmic, mod hd, sbblky-sub fis.

CLAYSTONE: wh-lt gry, wh gry, occ lt-med gry, occ mott, grd-arg Sltst i/p, mod calc, tr micmic, sft, frm i/p, sub fis.

SILTSTONE: med gry, med dk gry, occ mott, aren, tr micmic, mod hd, sbblky-sub fis.

MD 3035.10m
TVD 3028.76m

Inc 7.97°
Azi 214.21°

SILTSTONE: med gry, med dk gry, occ lt gry, occ mott, aren, grd-Sst i/p, tr micmic, mod hd, sbblky-sub fis.

CLAYSTONE: wh-lt gry, wh gry, occ lt-med gry, occ mott, grd-arg Sltst i/p, mod calc, tr micmic, sft, frm i/p, sub fis.

8-3/4" hole section TD at 3050m

[illegible]