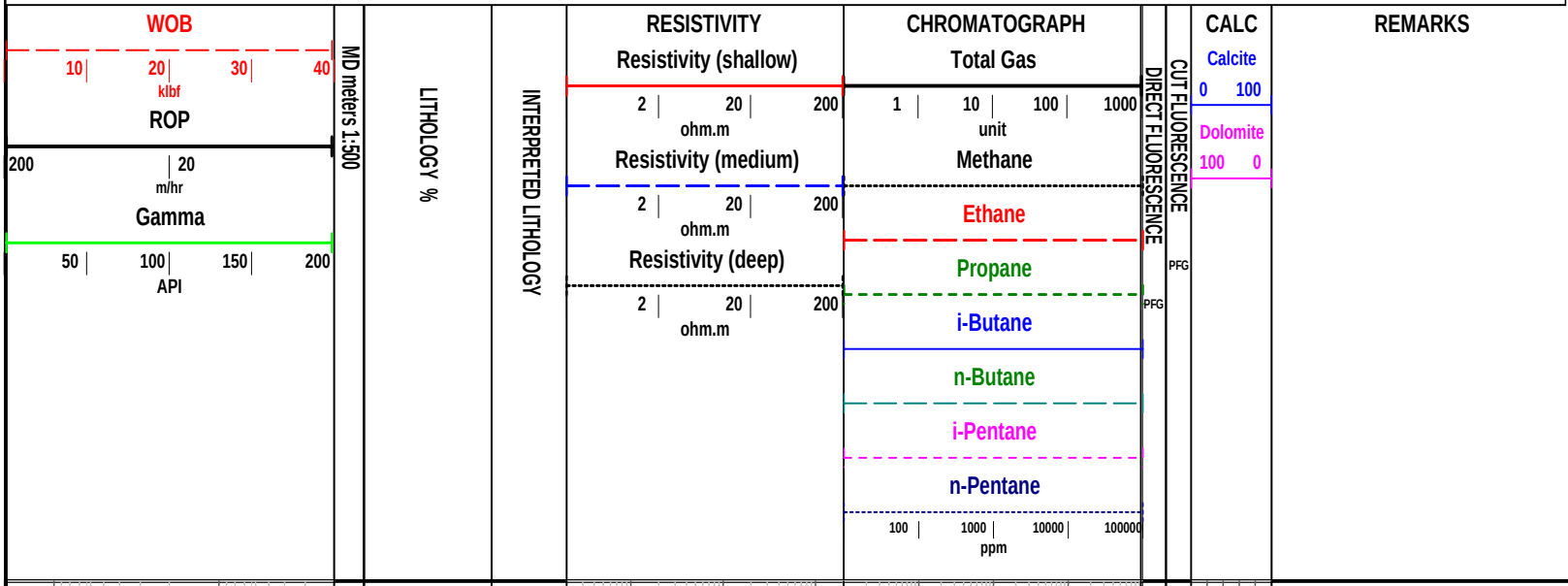
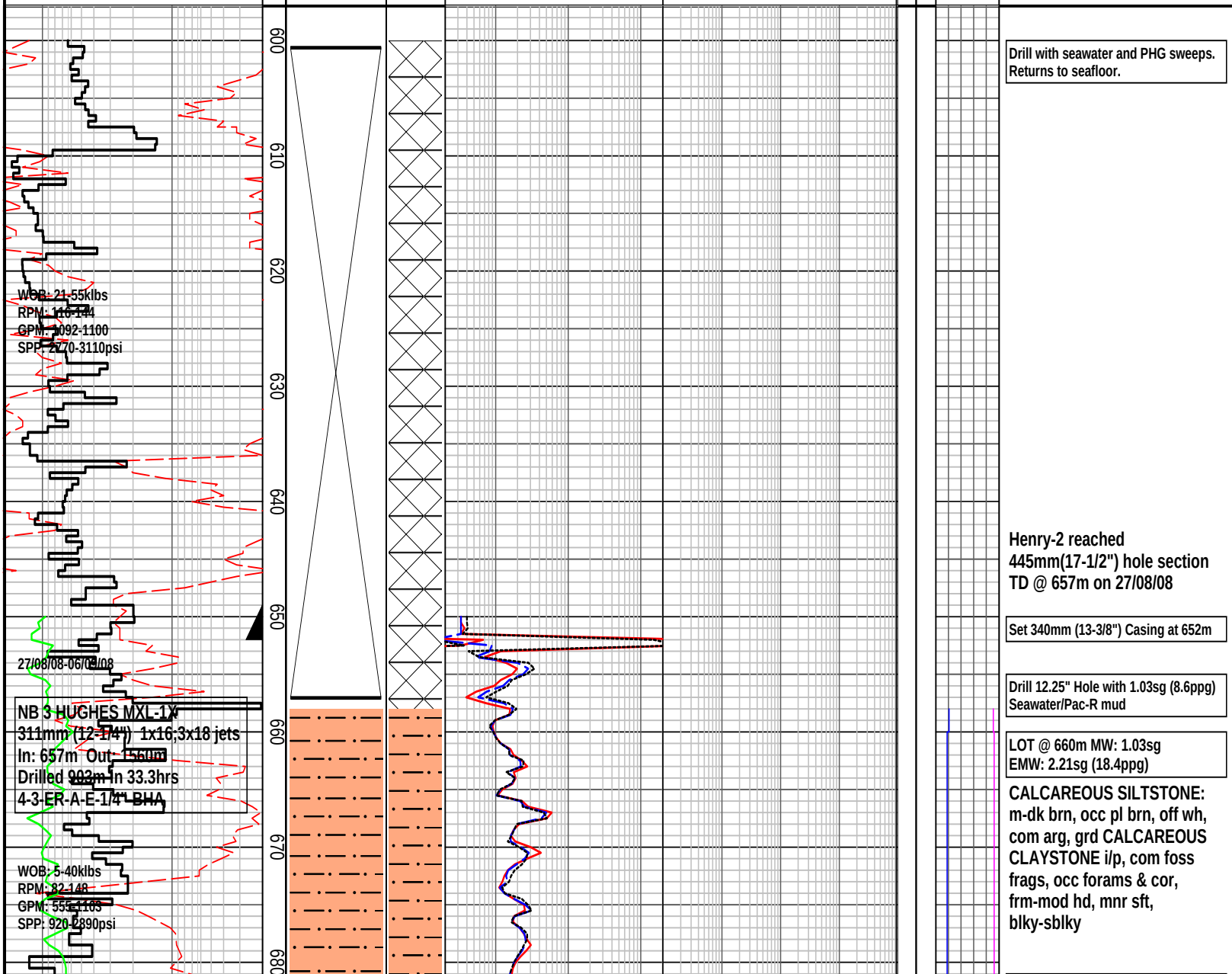
BAKER HUGHES INTEQ

Company : Santos
Well : Henry-2
Interval : 597.00 - 1938.54 meters
Created : 12/Sep/2008 5:28:41 AM

HENRY-2 FORMATION EVALUATION LOG





Drill with seawater and PHG sweeps. Returns to seafloor.

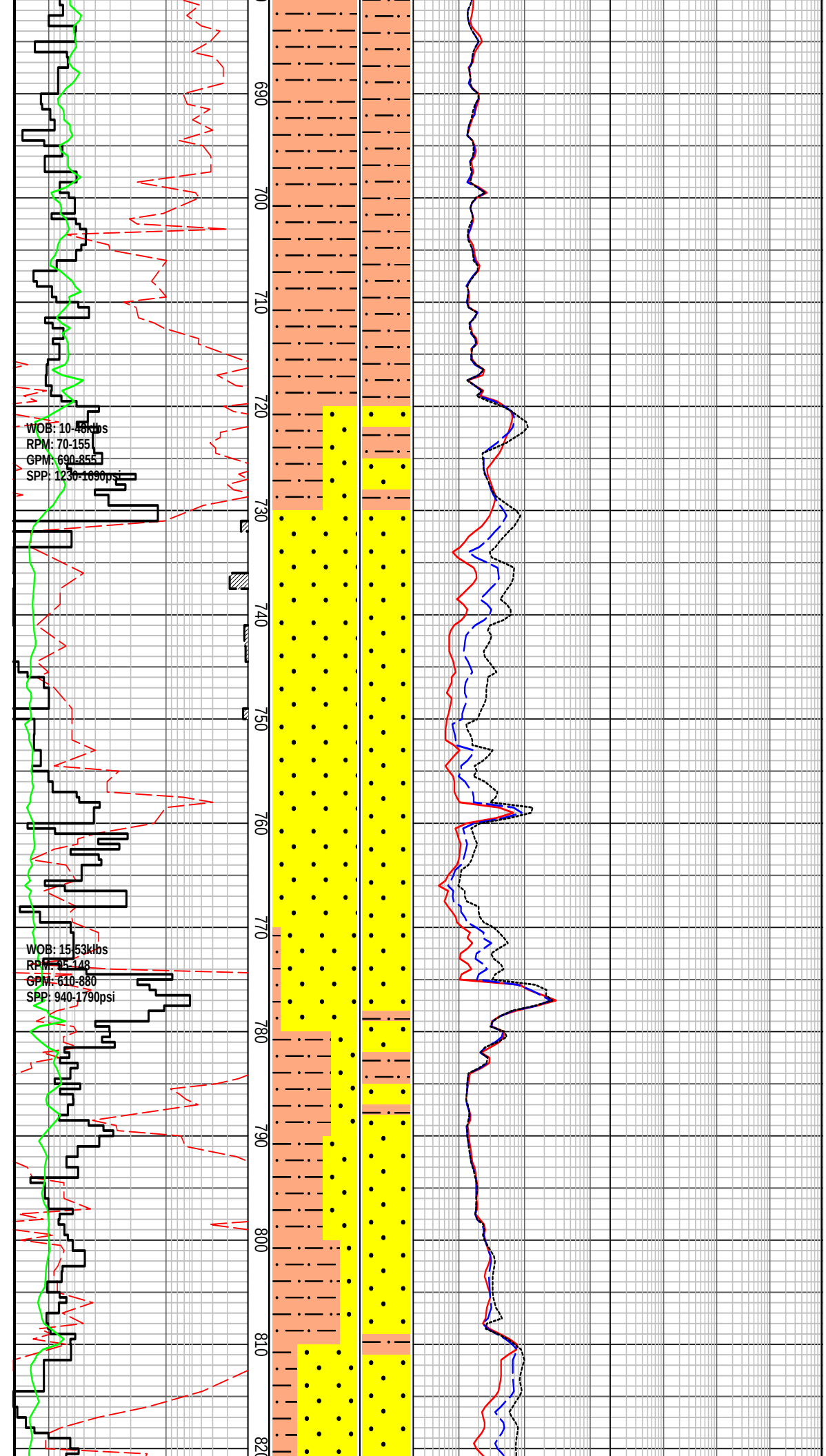
Henry-2 reached 445mm(17-1/2") hole section TD @ 657m on 27/08/08

Set 340mm (13-3/8") Casing at 652m

Drill 12.25" Hole with 1.03sg (8.6ppg) Seawater/Pac-R mud

LOT @ 660m MW: 1.03sg
EMW: 2.21sg (18.4ppg)

CALCAREOUS SILTSTONE: m-dk brn, occ pl brn, off wh, com arg, grd CALCAREOUS CLAYSTONE i/p, com foss frags, occ forams & cor, frm-mod hd, mnr sft, blky-sblky



Survey at 681.58m
Inc: 0.29°
Azi:157.36° TVD: 681.50m

CALCAREOUS SILTSTONE: m-dk brn, occ pl brn, off wh, com arg, grd CALCAREOUS CLAYSTONE i/p, com foss frags, occ forams & cor, frm-mod hd, mnr sft, blky-sblky

SANDSTONE: m-dk orng, rr off wh, m-dom v crs, pr srt, sbrnd-rndd, wk sil cmt, rr off wh arg mtrx, com orng Fe stn, lse, mnr fri-mod hd, gd-v gd inf por, no fluor

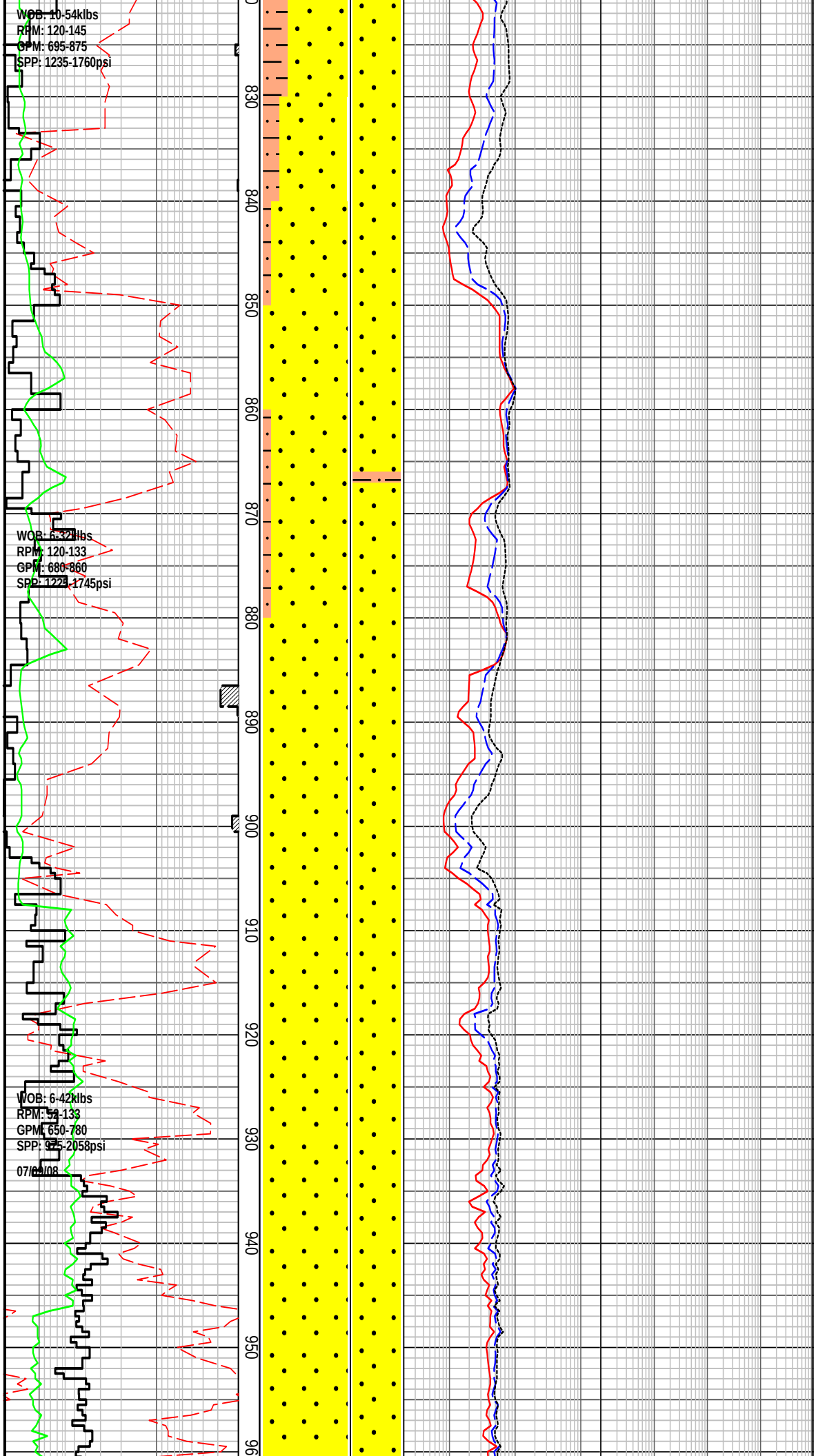
SANDSTONE: m-dk orng, rr off wh, m-dom v crs, pr srt, sbrnd-rndd, wk sil cmt, rr off wh arg mtrx, com orng Fe stn, lse, mnr fri-mod hd, gd-v gd inf por, no fluor

Survey at 768.28m
Inc: 0.83°
Azi:157.79° TVD: 768.20m

SILTSTONE: pl-m grn, pl gy, gy grn, off wh, arg, mnr glauc gr, rr pyr nods, frm-mod hd, disp i/p, sbblky, mnr amor

MW: 1.19 FV: 75 PV: 21 YP: 31
GELS: 9/15/21 SOL: 5.22
pH: 8.5 Ck: 8.5 CL: 66000

SANDSTONE: off wh-pl gy, clr-trnsl, crs-v crs, m i/p, mod srt, sbang-rndd, wk sil cmt, occ off wh arg mtrx, occ pyr nods, lse gr, mnr fri, fr-gd inf por, no fluor



SANDSTONE: off wh-pl gy, clr-trnsl, crs-v crs, m i/p, mod srt, sbang-rndd, wk sil cmt, occ off wh arg mtrx, occ pyr nods, lse grs, mnr fri, fr-gd inf por, no fluor

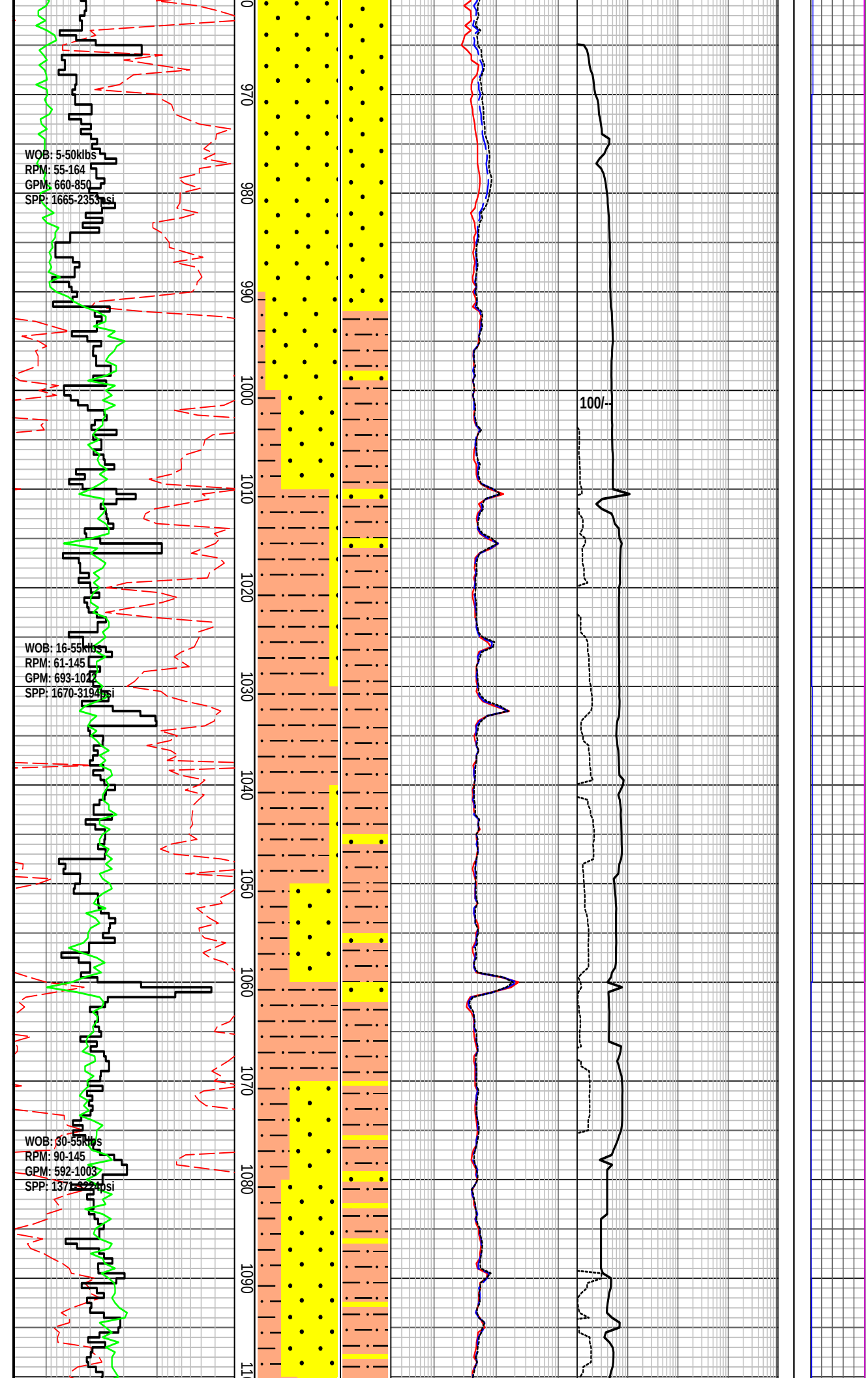
SANDSTONE: off wh-pl gy, clr-trnsl, crs-v crs, m i/p, mod srt, sbang-rndd, wk sil cmt, occ off wh arg mtrx, occ pyr nods, lse grs, mnr fri, fr-gd inf por, no fluor

Survey at 883.67m@
Inc: 3.87°
Azi: 140.62° TVD: 883.50m

SANDSTONE: lt brnsh gy i/p, clr-trnsl, f- crs, pr srt, sbang-sbrndd, nil cmt, rr lt brnsh gy arg mtrx, rr nod pyr, tr mic, tr liths, pred lse qtz grs, gd inf por, no fluor

Displace Hole with 1.19sg (9.9ppg) KCL/Glycol mud

SANDSTONE: lt brnsh gy i/p, clr-trnsl, f- crs, pr srt, sbang-sbrndd, nil cmt, rr lt brnsh gy arg mtrx, rr nod pyr, tr mic, tr liths, pred lse qtz gr, gd inf por, no fluor



SANDSTONE: lt brnsh gy i/p, clr-trnsl, f- crs, pr srt, sbang-sbrndd, nil cmt, rr lt brnsh gy arg mtrx, rr nod pyr, tr mic, tr liths, pred lse qtz gr, gd inf por, no fluor

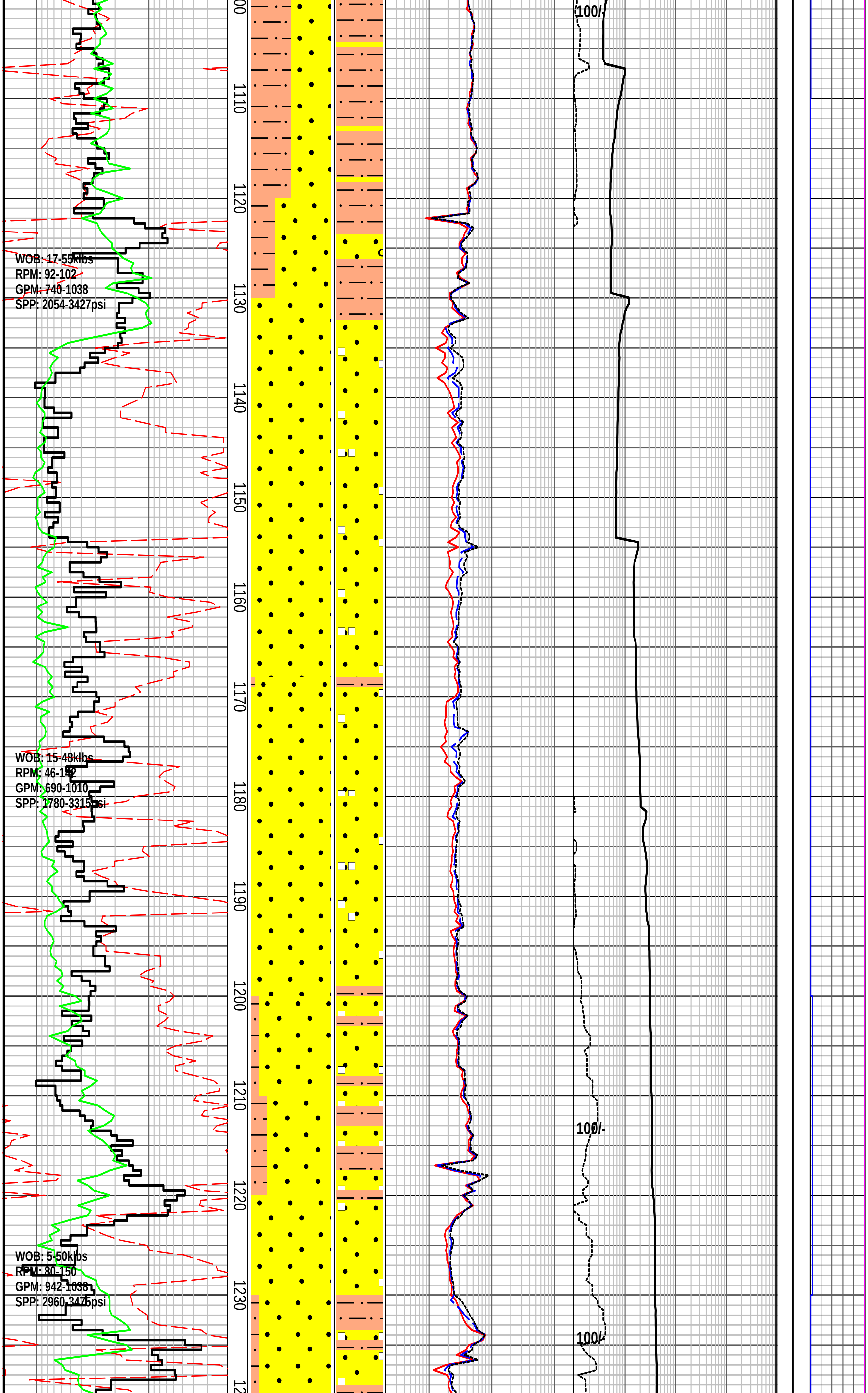
Survey at 998.24m
Inc: 13.64°
Azi: 148.11° TVD: 996.90m

SILTSTONE: m brn, m brnsh gy, arg, loc vf aren, tr f carb spks, tr vf glauc, sft-frm, disp i/p, sblky

SILTSTONE: m brn, m brnsh gy, arg, loc vf aren, mnr carb spks, tr vf glauc, sft-frm, sblky

SANDSTONE: off wh, lt brnsh gy, clr-trnsl, f-m gr, tr crs, pr srt, sbang-sbrndd, mnr wk calc cmt, mnr lt brnsh gy arg mtrx, tr liths, tr carb spks, p-fr inf por, no fluor

SANDSTONE: off wh, lt brnsh gy, clr-trnsl, f-m gr, tr crs, pr srt, sbang-sbrndd, mnr wk calc cmt, mnr lt brnsh gy arg mtrx, tr liths, tr carb spks, p-fr inf por, no fluor



Survey at 1112.80m
Inc: 24.41°
Azi: 135.23° TVD: 1104.90m

SANDSTONE: lt gy, lt brnsh gy, grnsh gy, clr-trnsl, vf-f gr, rr m-crs, sbang-sbrndd, pr srt, rr sil cmt, com nod pyr, tr liths, fri-mod hd vf agg, lse-m crs gr, pr inf por, no fluor

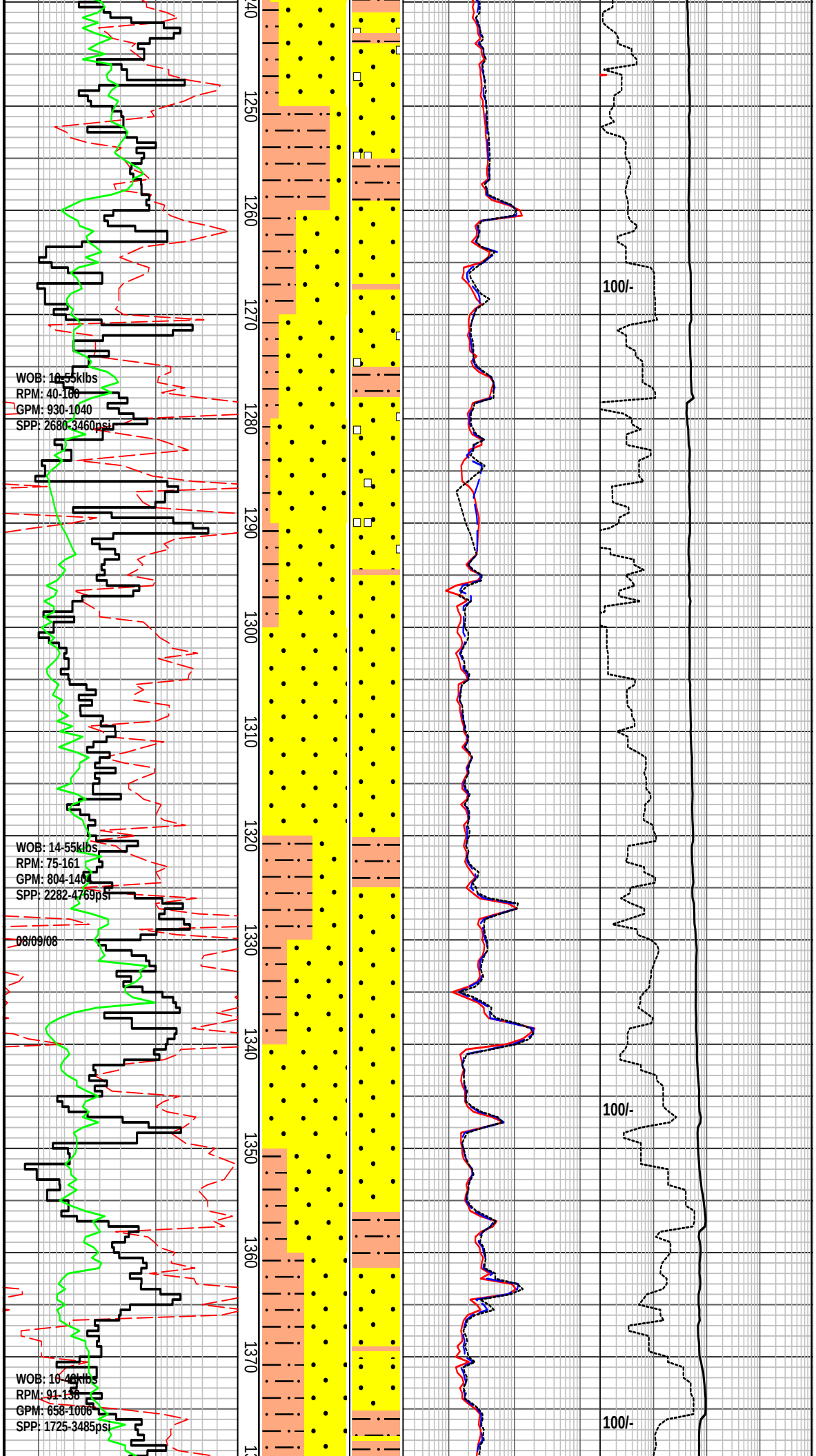
SANDSTONE: lt gy, lt brnsh gy, grnsh gy, clr-trnsl, vf-f gr, rr m-crs, sbang-sbrndd, pr srt, rr sil cmt, com nod pyr, tr liths, fri-mod hd vf agg, lse-m crs gr, pr inf por, no fluor

SANDSTONE: lt gy, lt brnsh gy, grnsh gy, clr-trnsl, vf-f gr, rr m-crs, sbang-sbrndd, pr srt, rr sil cmt, com nod pyr, tr liths, fri-mod hd vf agg, lse-m crs gr, pr inf por, no fluor

Survey at 1198.94m
Inc: 28.27°
Azi: 128.23° TVD: 1182.00m

SILTSTONE: m-dk brn gy, arg, mnr lith, disp-v sft, occ frm, amor, occ sblky

SANDSTONE: lt gy, lt brnsh gy, grnsh gy, clr-trnsl, vf-f gr, rr m-crs, sbang-sbrndd, pr srt, rr sil cmt, com nod pyr, tr liths, fri-mod hd vf agg, lse-m crs gr, pr inf por, no fluor



SILTSTONE: m-dom dk brn, mnr brn gy, arg i/p, mnr mic, occ carb spks & frags, v sft-disp, amor, sblky i/p

Survey at 1257.97m
Inc: 31.15°
Azi: 125.30° TVD: 1233.20m

SANDSTONE: mnr pl brn-pl gy, clr-trnsl, f-m, mnr crs, mod srt, sbang-sbrndd, wk sil cmt, mnr off wh arg mtrx, com pyr nods, lse cln gr, mnr fri, fr inf por, pr vis por, no fluor

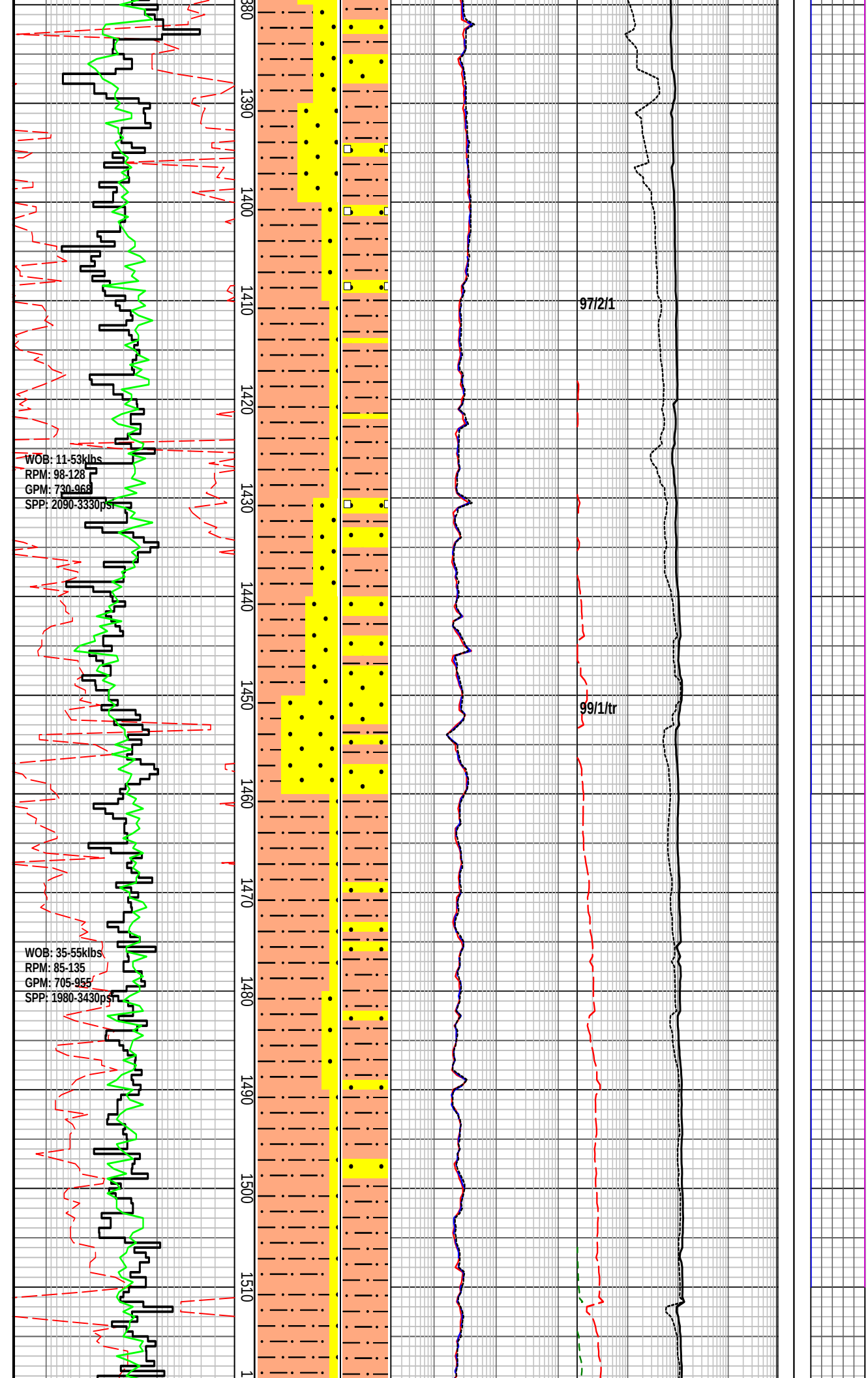
MW: 1.19 FV: 75 PV: 21 YP: 31
GELS: 9/15/21 SOL: 5.22
pH: 8.5 Ck: 0.5 CL: 66000

SANDSTONE: off wh, clr-trnsl, f-crs, mnr v crs, mod srt, sbang-sbrndd, wk sil cmt, mnr off wh arg mtrx, rr pyr nods, lse cln gr, mnr fri, fr inf por, pr vis por, no fluor

SILTSTONE: m-brnsh gy, mnr dk brn gy, arg i/p, rr carb spks, sft-frm, sblky-blky

SANDSTONE: lt gy, off wh, clr-trnsl, f-m gr, mod srt, sbang-sbrndd, wk calc & sil cmt, mnr lt gy-off wh arg mtrx, mnr nod pyr, tr f gr glauc, fri f gr agg, fr inf por, no fluor

Survey at 1374.02m
Inc: 39.86°
Azi: 112.30° TVD: 1326.70m



SILTSTONE: m gy, arg, vf aren, mnr nod pyr, tr liths, disp i/p, sblky-blky

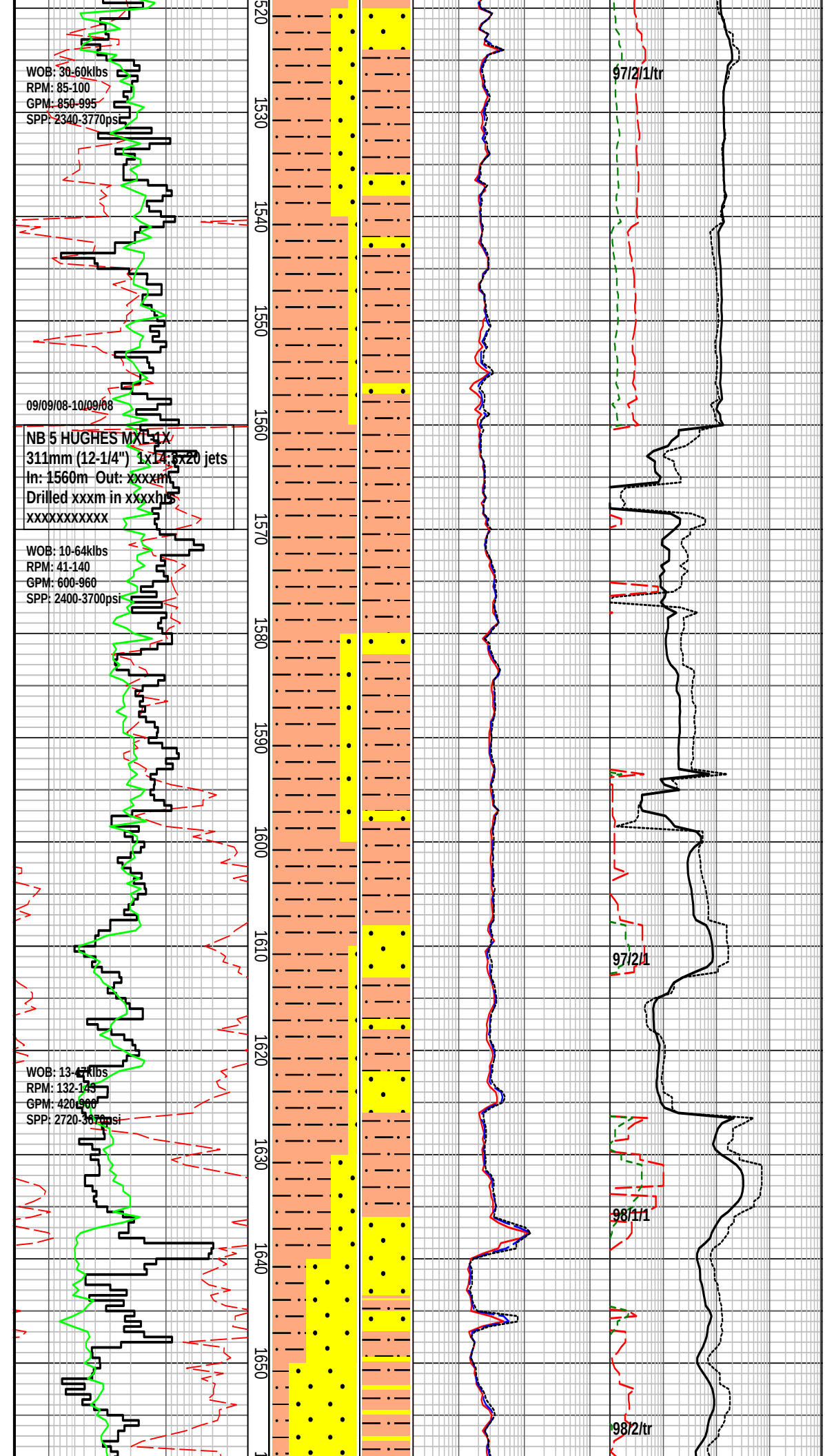
SANDSTONE: lt gy, clr-trnsl, vf-m gr, sbang-sbrndd, mod srt, rr wk sil cmt, mnr lt gy arg mtrx, com nod pyr, tr f gr glauc, fri agg, pred lse, fr inf por, no fluor

SILTSTONE: m brnsh gy, lt gy, occ dk gy, arg, rr nod pyr, com glauc, frm, disp, sblky-blky

Survey at 1460.30m
Inc: 38.67°
Azi: 109.79° TVD: 1393.20m

SANDSTONE: off wh-pl gy, clr trnsl, f-m, mnr crs, mod srt, dom sbang, occ sbrndd, wk sil cmt, mnr off wh arg mtrx, rr glauc grs, lse, rr fri agg, fr inf por, p-fr vis por, no fluor

SILTSTONE: pl-occ m brn, mnr pl gn, com arg, occ-com glauc gr, mnr carb spks, dis-v sft, frm i/p, gen amor, occ sblky-blky



Survey at 1519.61m
Inc: 38.21°
Azi: 109.48° TVD: 1439.90m

SANDSTONE: off wh-pl gy, clr trnsl, f-m, mnr crs, mod srt, dom sbang, occ sbrndd, wk sil cmt, mnr off wh arg mtrx, rr glauc grs, lse, rr fri agg, fr inf por, p-fr vis por, no fluor

SILTSTONE: pl-occ m brn, mnr pl grn, com arg, occ-com glauc gr, mnr carb spks, dis-v sft, frm i/p, gen amor, occ sblky-blky

Bit 4 unable to pass 88m, POOH layout BHA.

Survey at 1577.82m
Inc: 39.48°
Azi: 111.06° TVD: 1485.5m

SANDSTONE: off wh-pl gy, clr-trnsl, f-v crs, pr srt, sbang-sbrndd, wk sil cmt, mnr off wh arg mtrx, mnr pyr nod, lse, fr inf por, no fluor

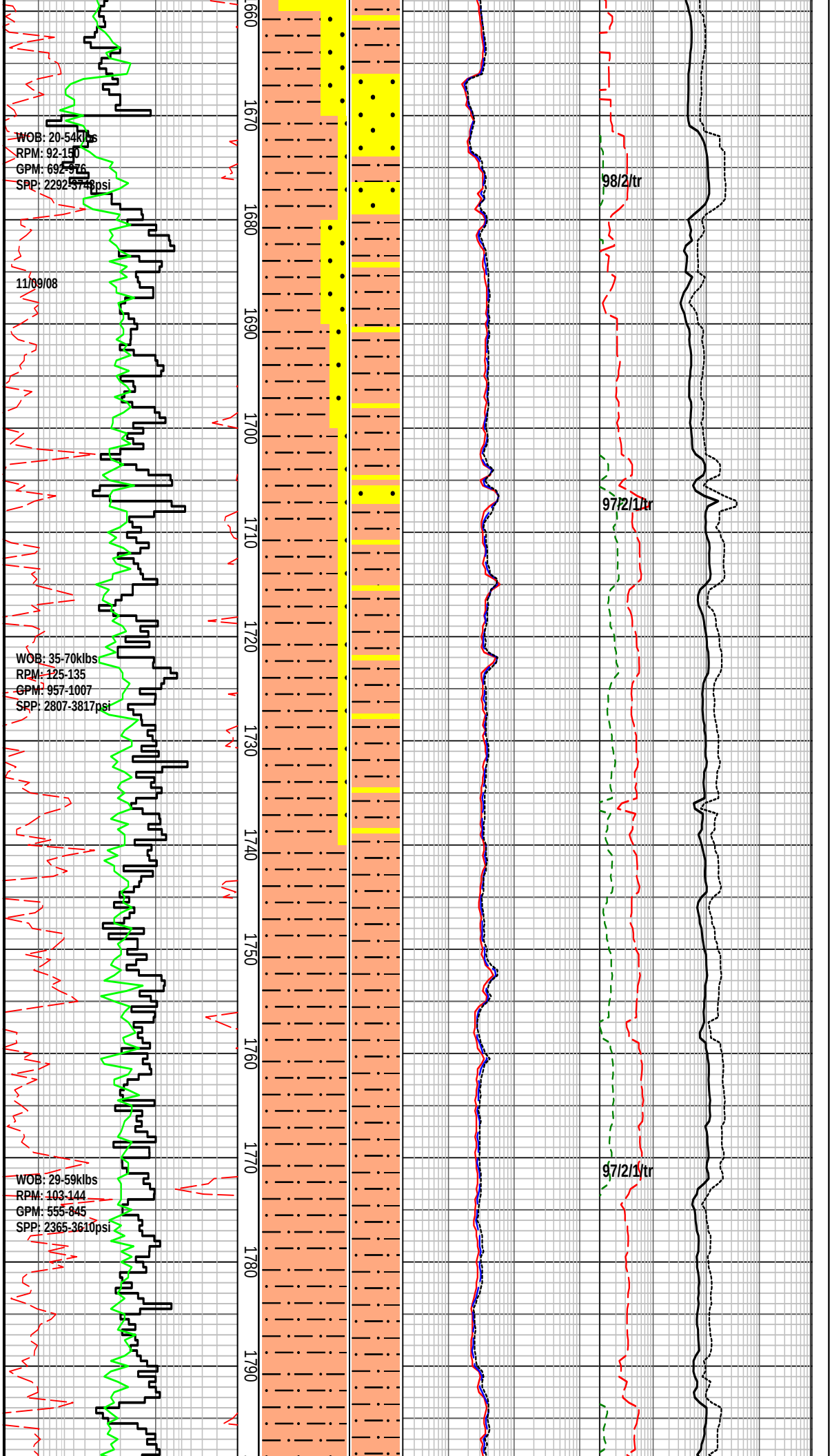
Ran Carbide @ 1596.00m
Hole In Gauge

MW: 1.32 FV: 89 PV: 34 YP: 58
GELS: 14/29/39 SOL: 11.62
pH: 8.5 Ck: 1 CL: 58000

SILTSTONE: pl-occ m brn, mnr pl grn, com arg, occ glauc gr & carb spks, dis-v sft, frm i/p, amor, sblky

Survey at 1634.98m
Inc: 43.80°
Azi: 113.39° TVD: 1528.30m

SANDSTONE: off wh, clr-trnsl, f-occ m, vf i/p, mod srtd, sbang-sbrndd, mod calc cmt, com off wh arg mtrx, mnr liths, lse cln grs, fri, pr inf & vis por



lse cln grs, fri, pr inf & vis por, no fluor

SANSTONE: off wh, clr-trnsl, f-m, rr crs gr, wl srt, sbang-occ sbrndd, mod calc cmt, com off wh arg mtrx, occ pyr nod, mnr liths, lse cln gr, fri, pr inf & vis por, mnr dull orng fluor

SILTSTONE: pl-occ m brn, mnr pl grn, com arg, occ glauc gr & carb spks, dis-v sft, frm i/p, amor, sblky

SANSTONE: off wh, clr-trnsl, f-m, rr crs gr, sbang-occ sbrndd, mod wl srt, tr wk calc cmt, tr f gr glauc, pred lse f gr qtz, pr inf por, no fluor

Survey at 1720.65m
Inc: 49.49°
Azi: 115.31° TVD: 1587.30m

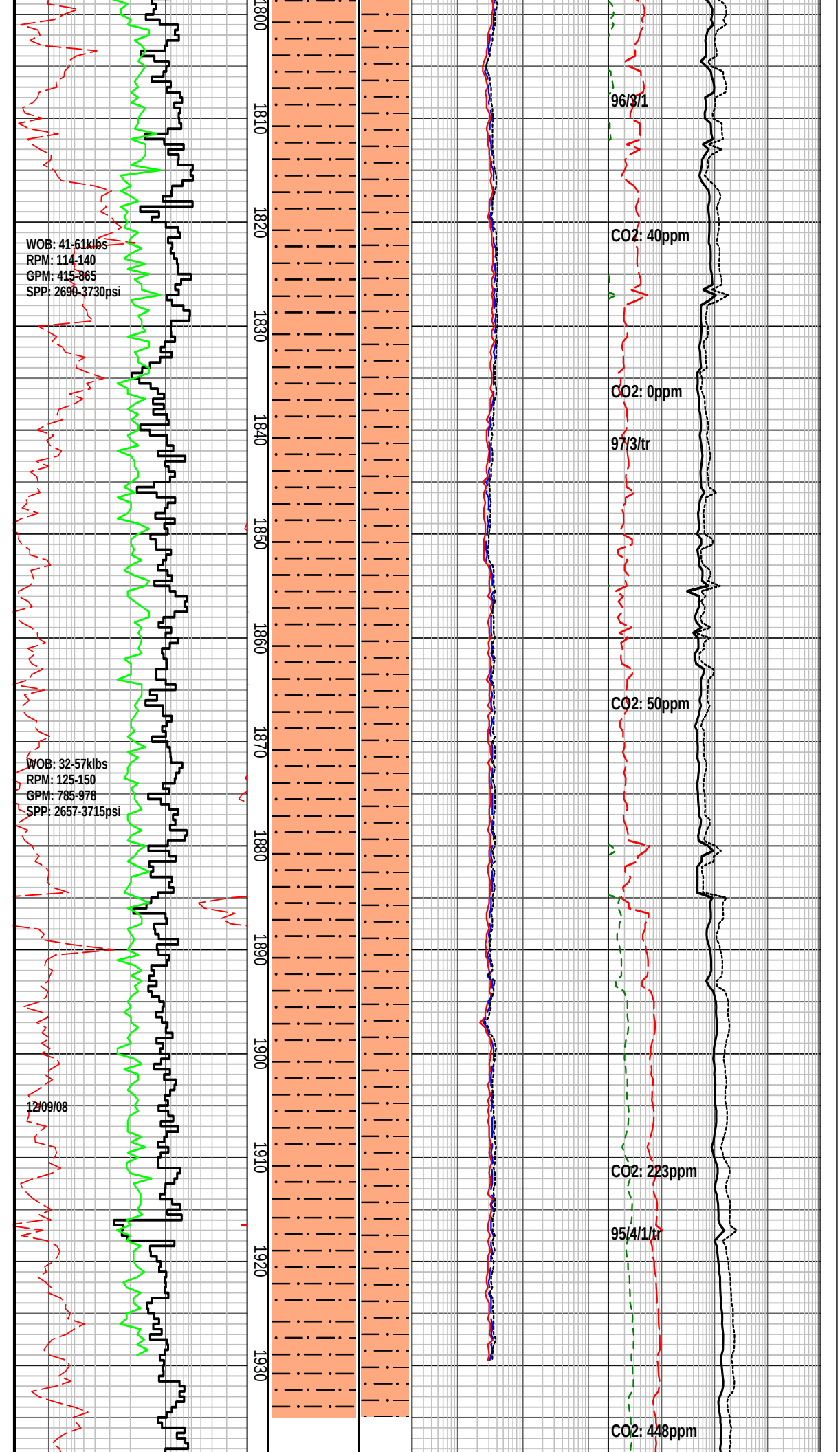
SANDSTONE: v lt gy-lt gy, wh, clr-trnsl, vf-f gr, sbang-sbrndd, wl srt, mod calc cmt, rr f gr glauc, rr nod pyr, mod hd agg, v pr vis por, no fluor

Survey at 1751.51m
Inc: 52.16°
Azi: 116.21° TVD: 1606.50m

SILTSTONE: m gy, m brnsh gy, arg, vf aren i/p, tr f gr glauc, frm, disp i/p, blky

Survey at 1779.21m
Inc: 54.97°
Azi: 116.68° TVD: 1623.20m

SILTSTONE: m gy-m dk gy, m



brnsh gy, arg with clay content easily washed from samples, loc vf aren, rr liths, tr glauc, frm, disp i/p, blky

SILTSTONE: pl brn, pl-m brn gy, gen arg, occ carb spks, mnr glauc grs, mnr micro mic, disp-v sft, frm i/p, amor sblky

Survey at 1836.56m
Inc: 59.33°
Azi: 117.70° TVD: 1654.10m

SILTSTONE: pl brn, mnr m-dk brn gy, com arg, occ carb spks, mnr mic mic, disp-v sft, frm i/p, amor, sblky

SILTSTONE: pl brn-occ pl gy, m-dk brn gy, arg, occ carb spks, mnr liths & calc incl, frm-mod hd, disp-v sft, amor, sblky-blky

Survey at 1865.80m
Inc: 59.29°
Azi: 117.83° TVD: 1669.10m

SILTSTONE: m-dk brn gy, pl brn i/p, arg, occ carb spks, mnr calc incl & glauc grs, frm-mod hd, v sft i/p, mnr hd, mnr amor, sblky-sbfiss

MW: 1.32 FV: 62 PV: 31 YP: 47
GELS: 10/21/33 SOL: 10.17
pH: 8.5 Ck: 0.5 CL: 59000

SILTSTONE: m-dk brn gy, pl brn i/p, arg, occ carb spks, mnr calc incl & glauc grs, frm-mod hd, sft i/p, mnr hd, sblky-sbfiss

HENRY-2 FORMATION EVALUATION LOG