



Company : Santos

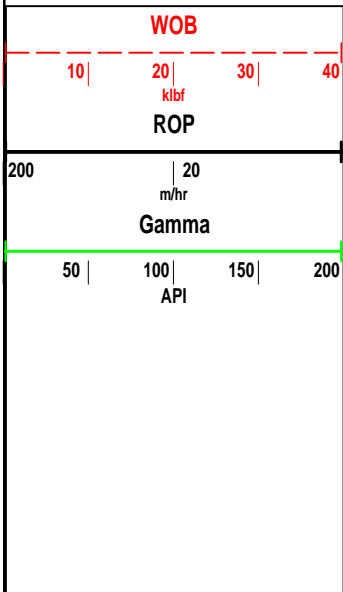
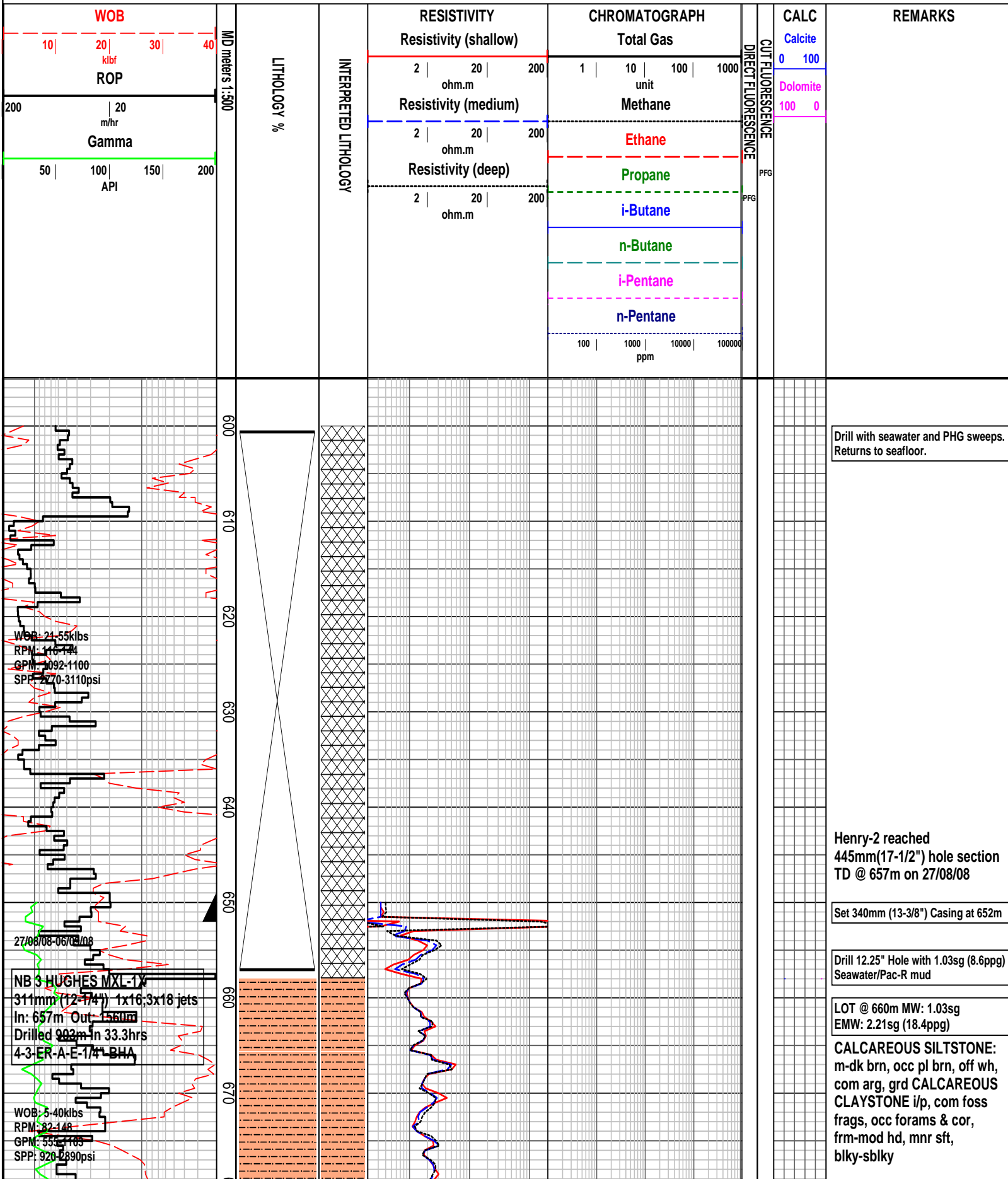
Well : Henry-2

Interval : 595.00 - 1722.98 meters

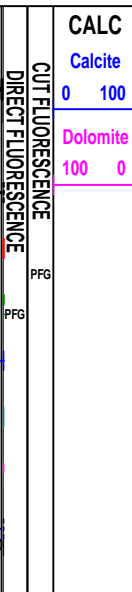
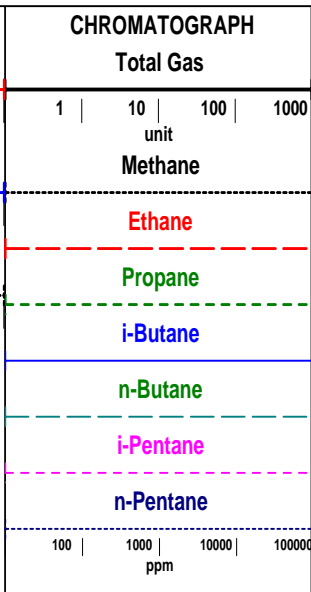
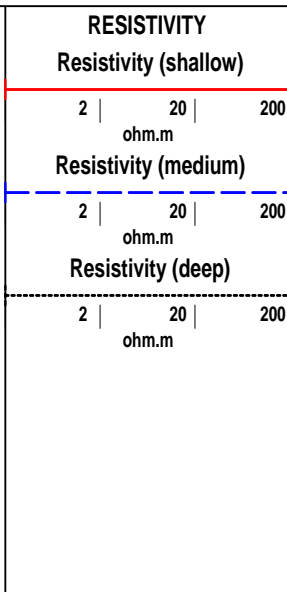
Created : 11/Sep/2008 6:50:05 AM

INTEQ

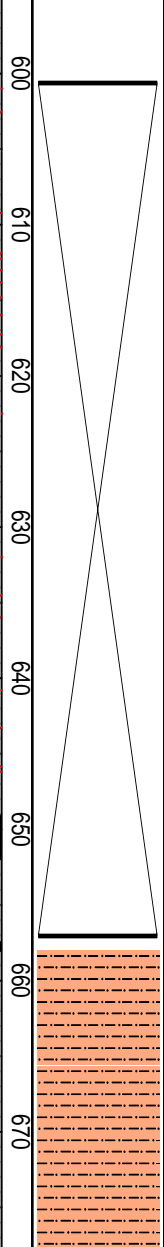
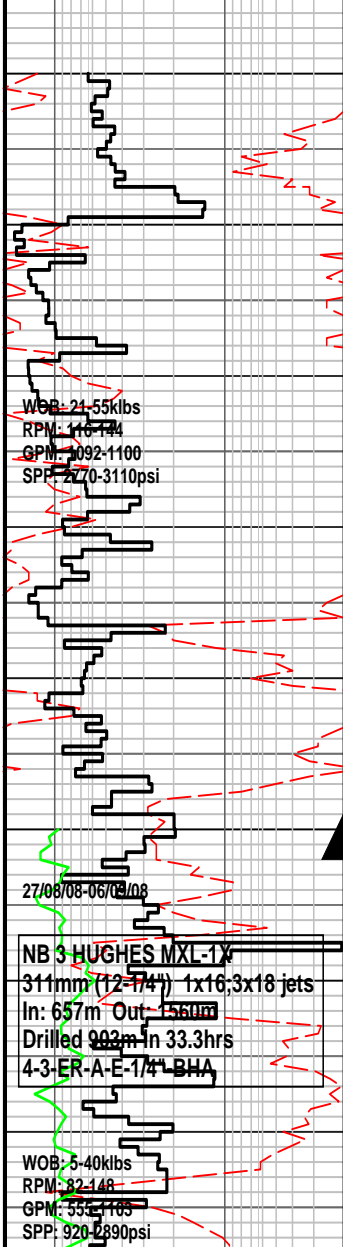
HENRY-2 FORMATION EVALUATION LOG



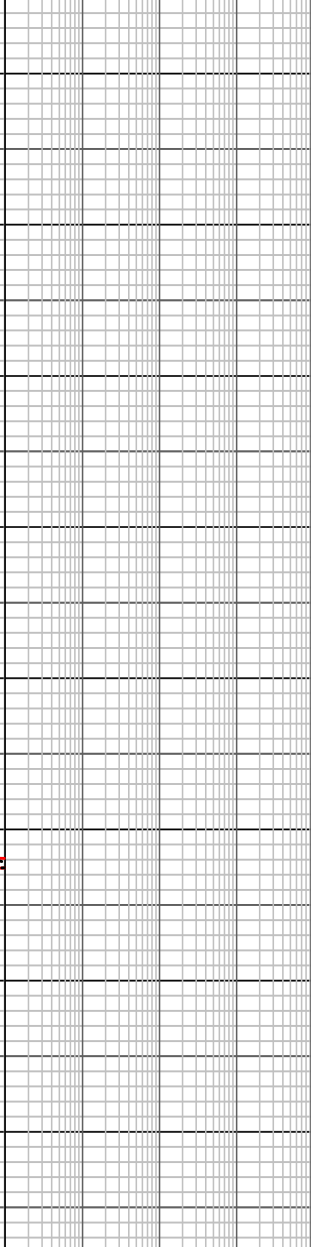
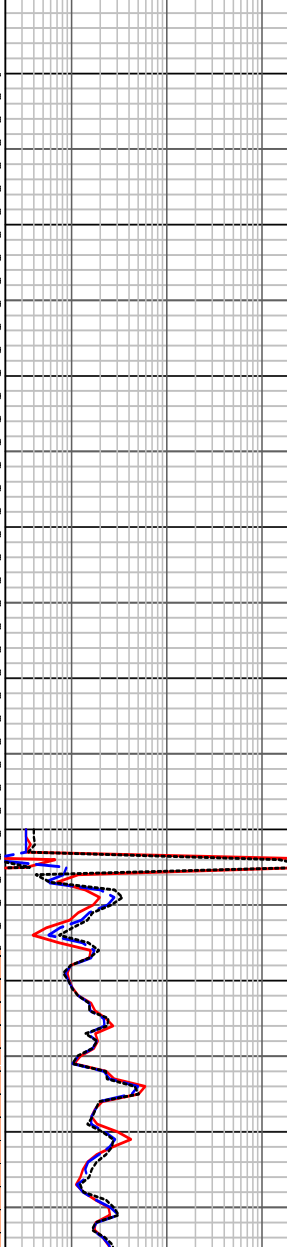
INTERPRETED LITHOLOGY



REMARKS



INTERPRETED LITHOLOGY



REMARKS

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

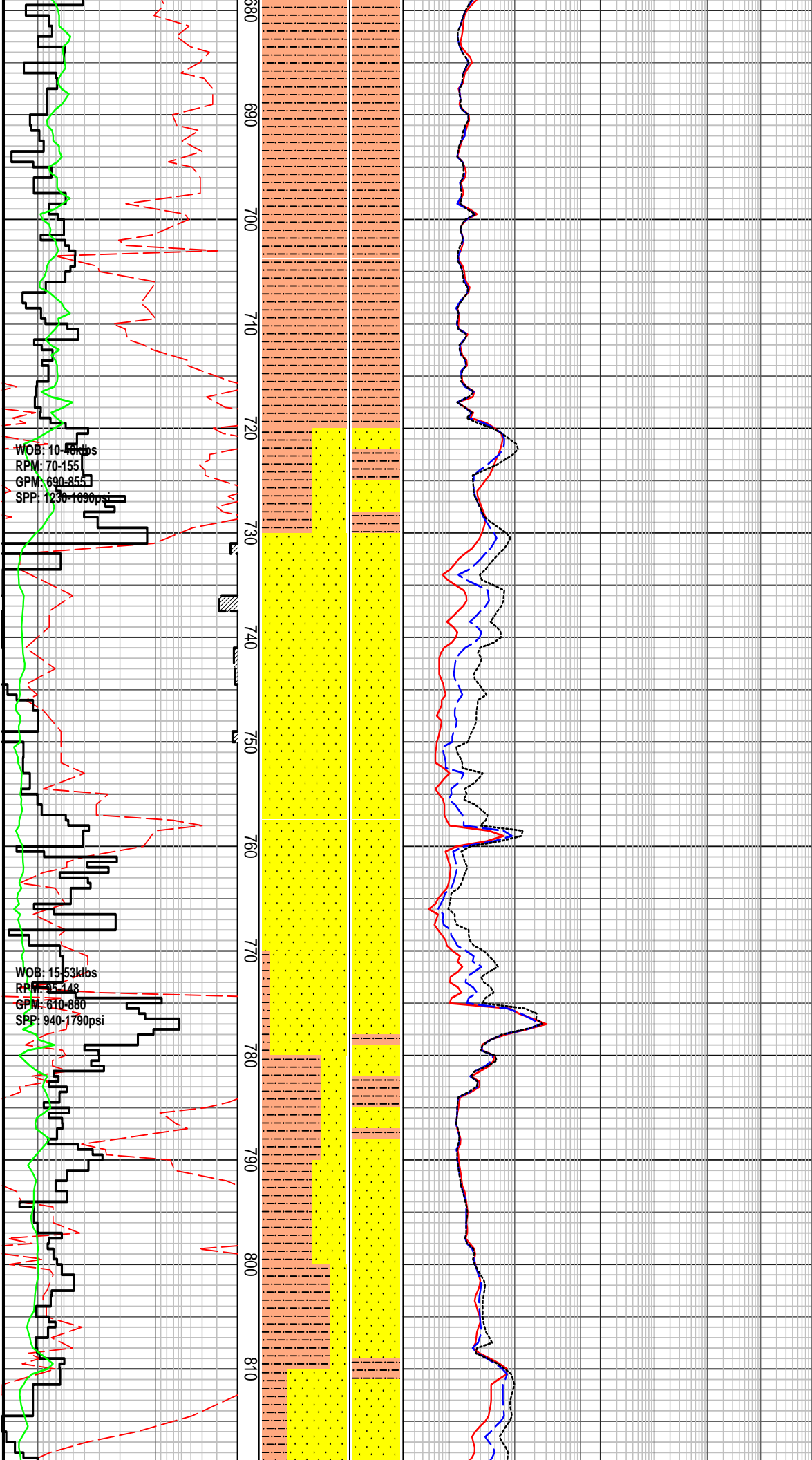
SANDSTONE: m-dk orgn, rr off
wh, m-dom v crs, pr srt,
sbrnd-rndd, wk sil cmt, rr off
wh arg mtrx, com orgn Fe stn,
lse, mnr fri-mod hd, gd-v gd
inf por, no fluor

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, sbbky, mnr amor

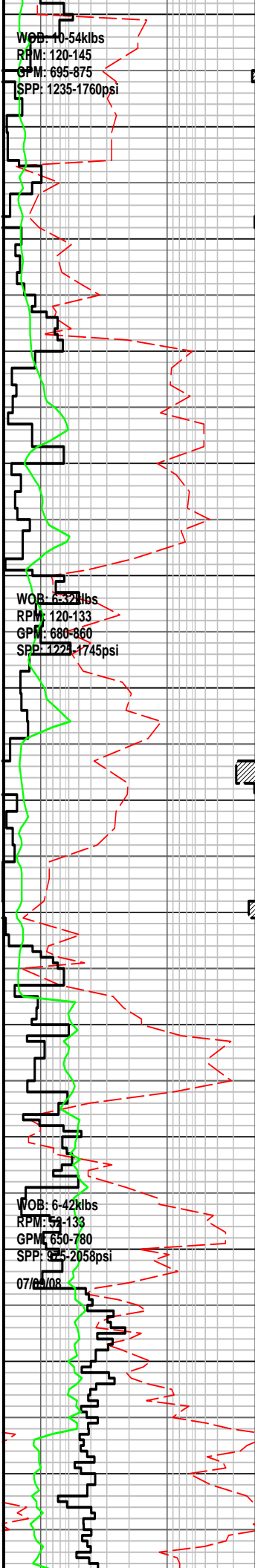
MW: 1.19 FV: 75 PV: 21 YP: 31
GELS: 9/15/21 SOL: 5.22
pH: 8.5 Ck: 8.5 CL: 66000

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



WOB: 10-40klbs
RPM: 70-155
GPM: 690-855
SPP: 1230-1090psi

WOB: 15-53klbs
RPM: 95-148
GPM: 810-880
SPP: 940-1790psi



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

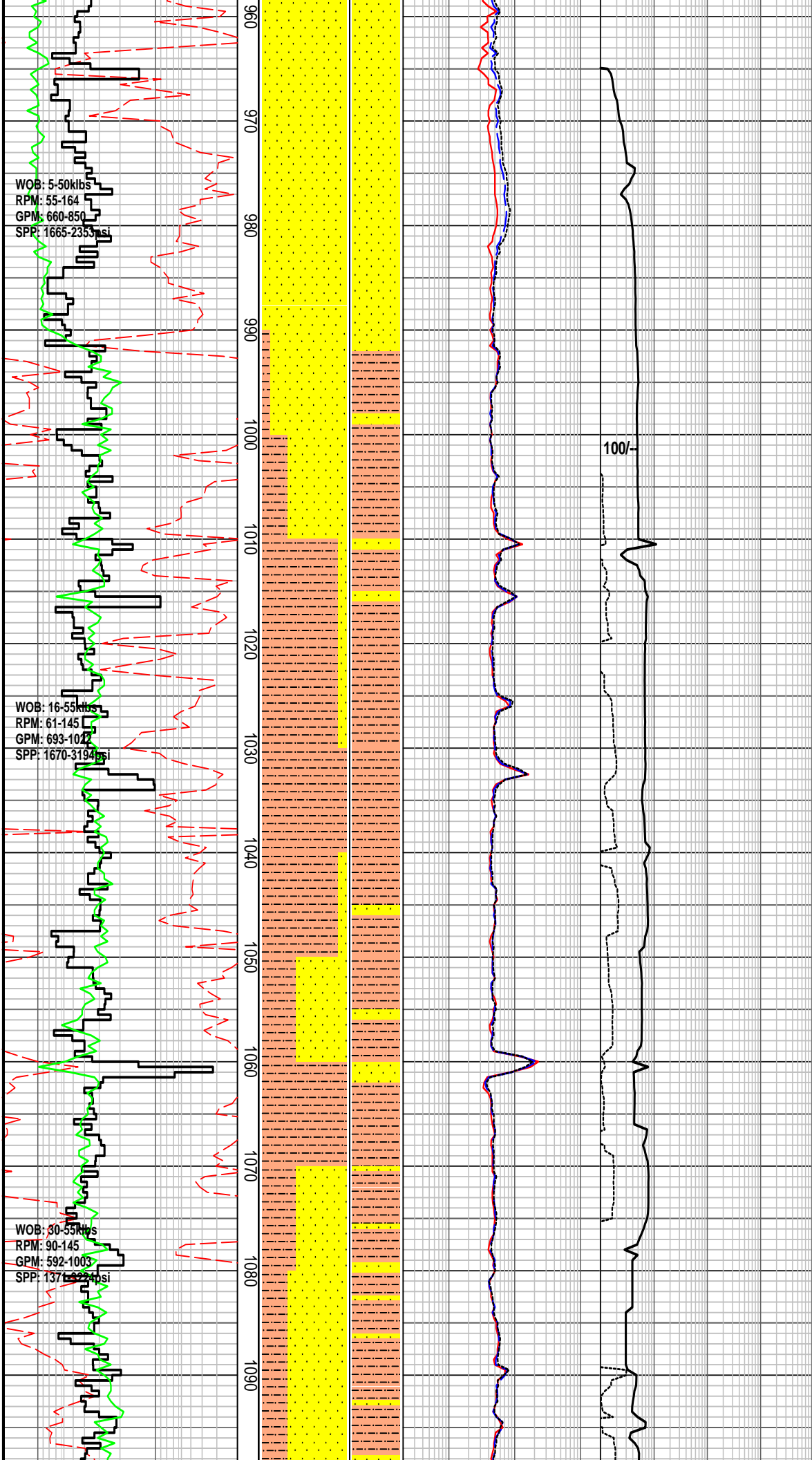
SANDSTONE: off wh-pl gy, clr-trnsl, crs-v crs, m i/p, mod srt, sbang-rnidd, wk sil cmt, occ off wh arg mtrx, occ pyr nods, lse grs, mnr fri, fr-gd inf por, no fluor

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-sbrnidd, 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-sbrnidd, nil cmt, rr lt brnsh gy arg mtrx, rr nod pyr, tr mic, tr liths, pred lse qtz gr, gd inf por, no fluor



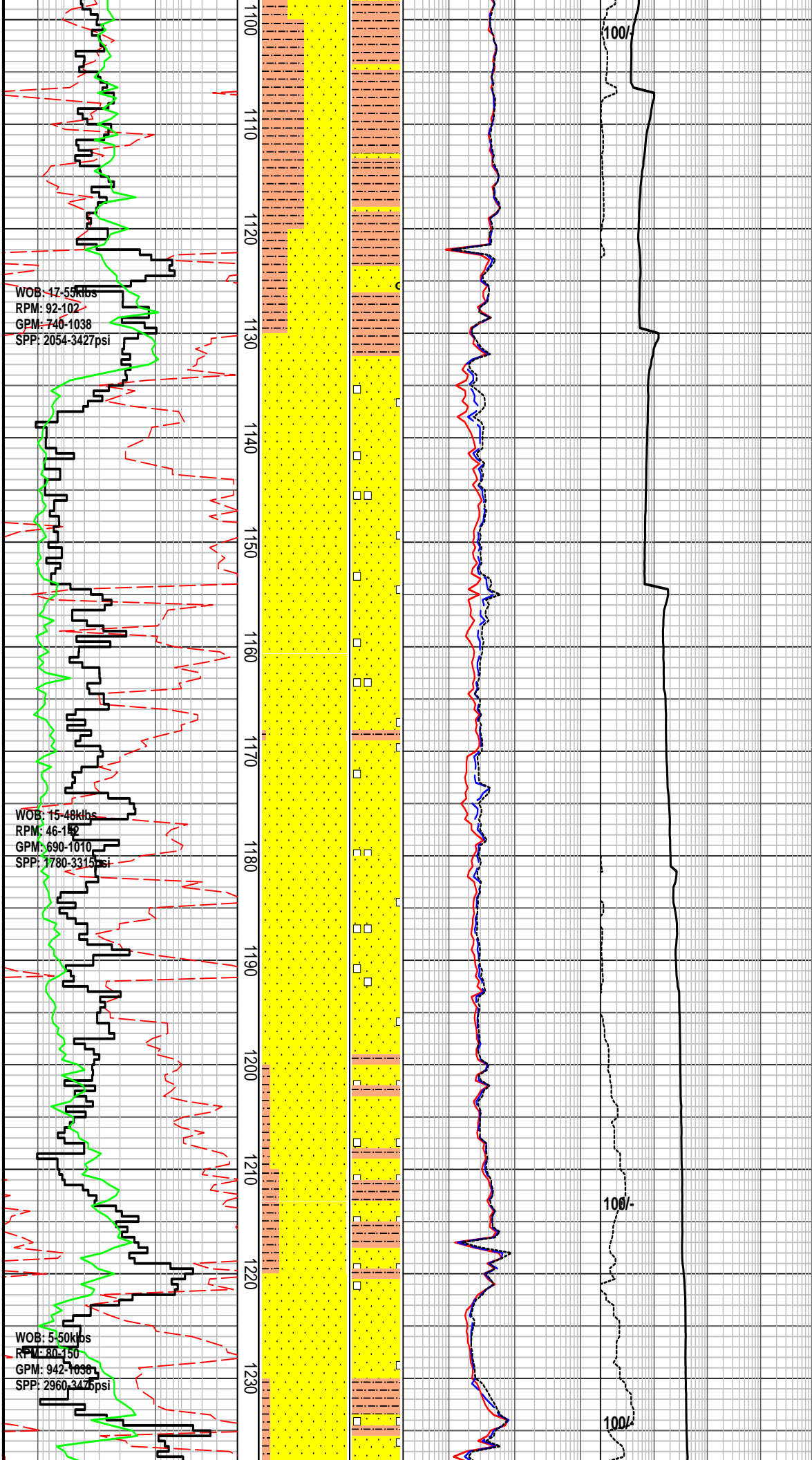
SANDSTONE: lt brnsh gy i/p, clr-trnsl, f- crs, pr srt, sbang-sbrndd, nil cmt, rr lt brnsh gy arg mtrx, rr nod pyr, tr mic, tr liths, pred lse qtz gr, gd inf por, no fluor

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



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

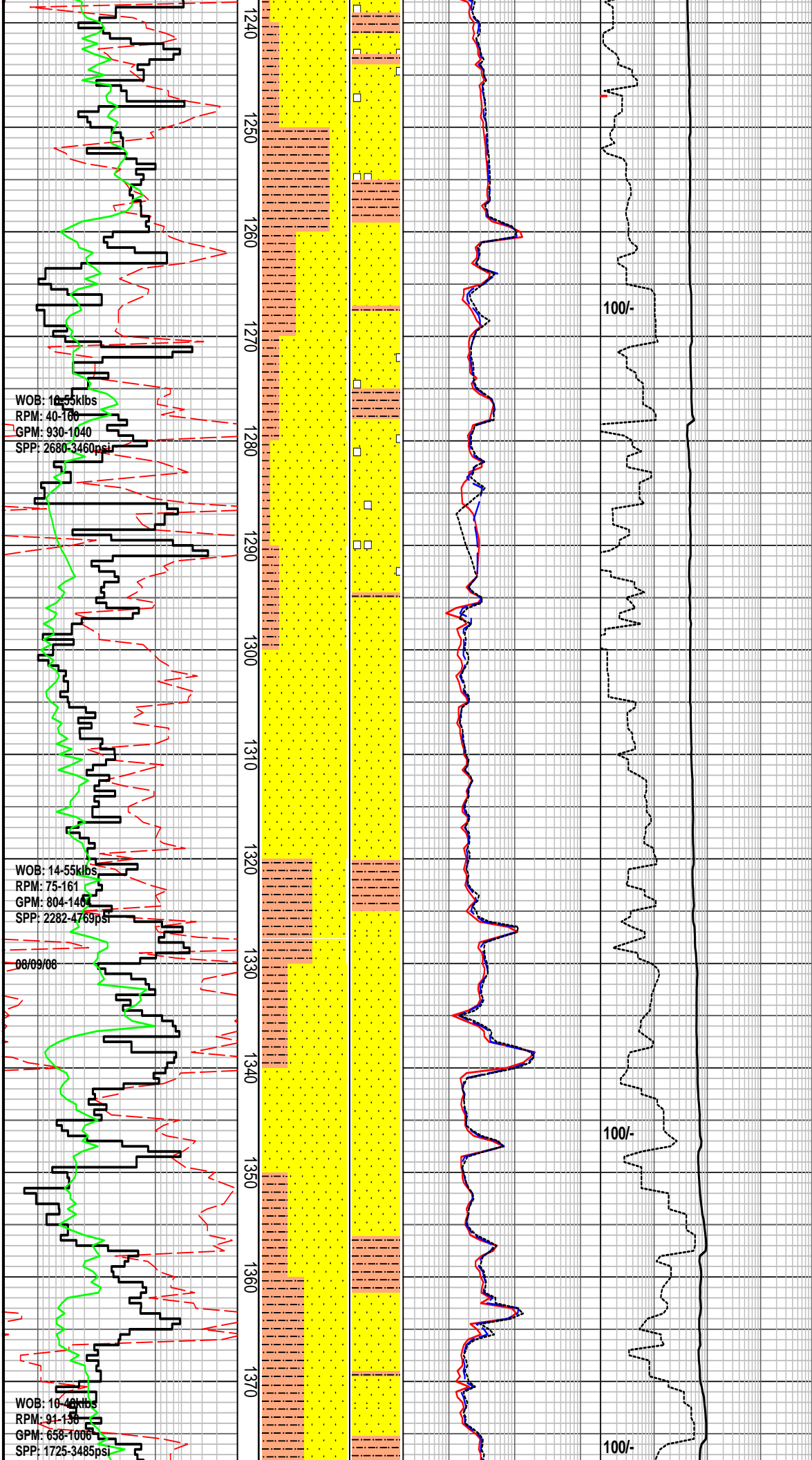
SANDSTONE: lt gy, lt brnsh gy, grnsh gy, clr-trnsl, vf-f gr, rr m-crs, sbang-sbrndd, pr srt, rr sil cmt, com nod pyr, tr liths, fri-mod hd vf agg, lse-m crs gr, pr inf por, no fluor

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 sbiky

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



WOB: 10-55kbs
 RPM: 40-186
 GPM: 930-1040
 SPP: 2680-3460psi

WOB: 14-55kbs
 RPM: 75-161
 GPM: 804-146
 SPP: 2282-4769psi

08/09/08

WOB: 10-48kbs
 RPM: 94-136
 GPM: 658-1006
 SPP: 1725-3485psi

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

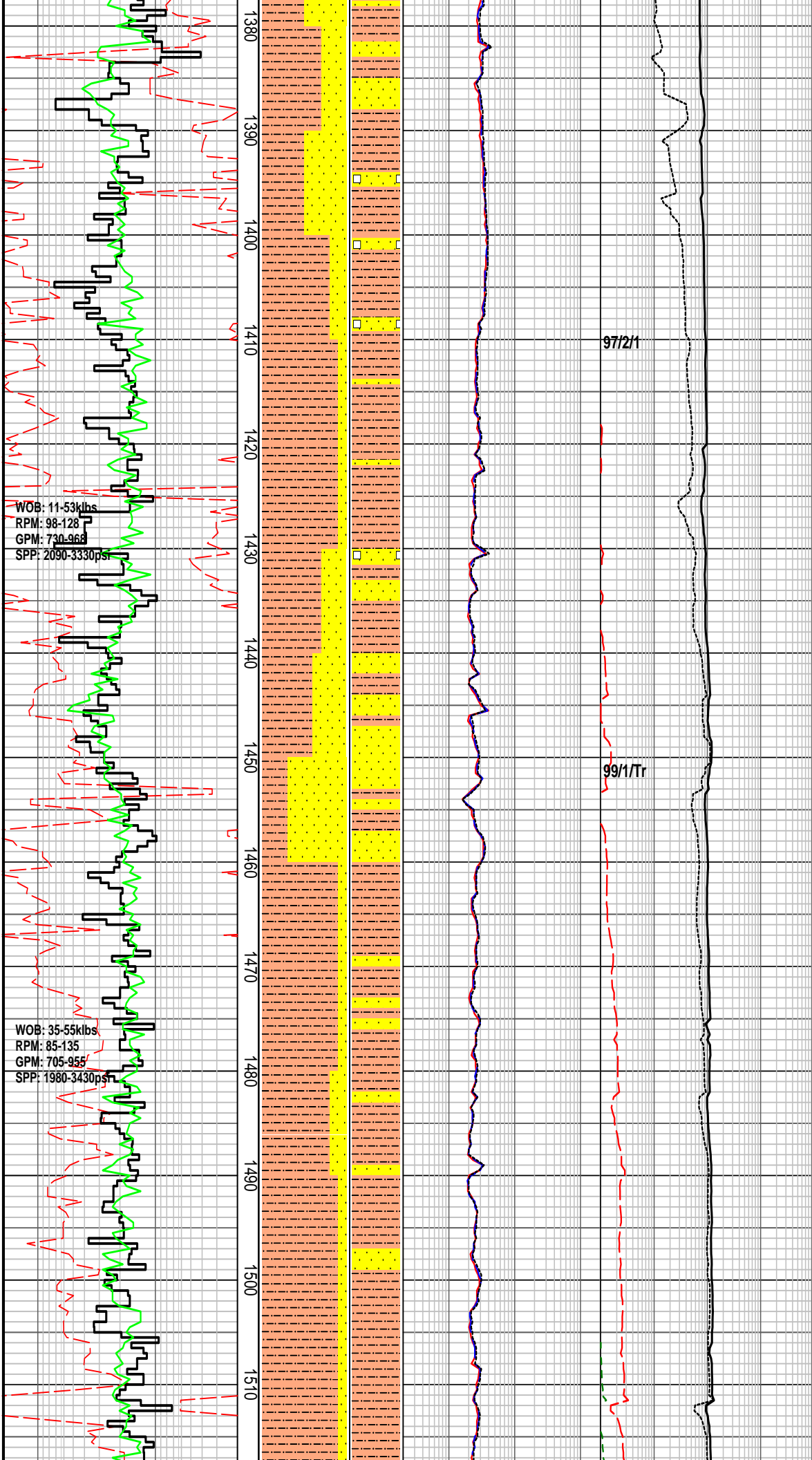
MW: 1.19 FV: 75 PV: 21 YP: 31
 GELS: 9/15/21 SOL: 5.22
 pH: 8.5 Ck: 0.5 CL: 66000

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°



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

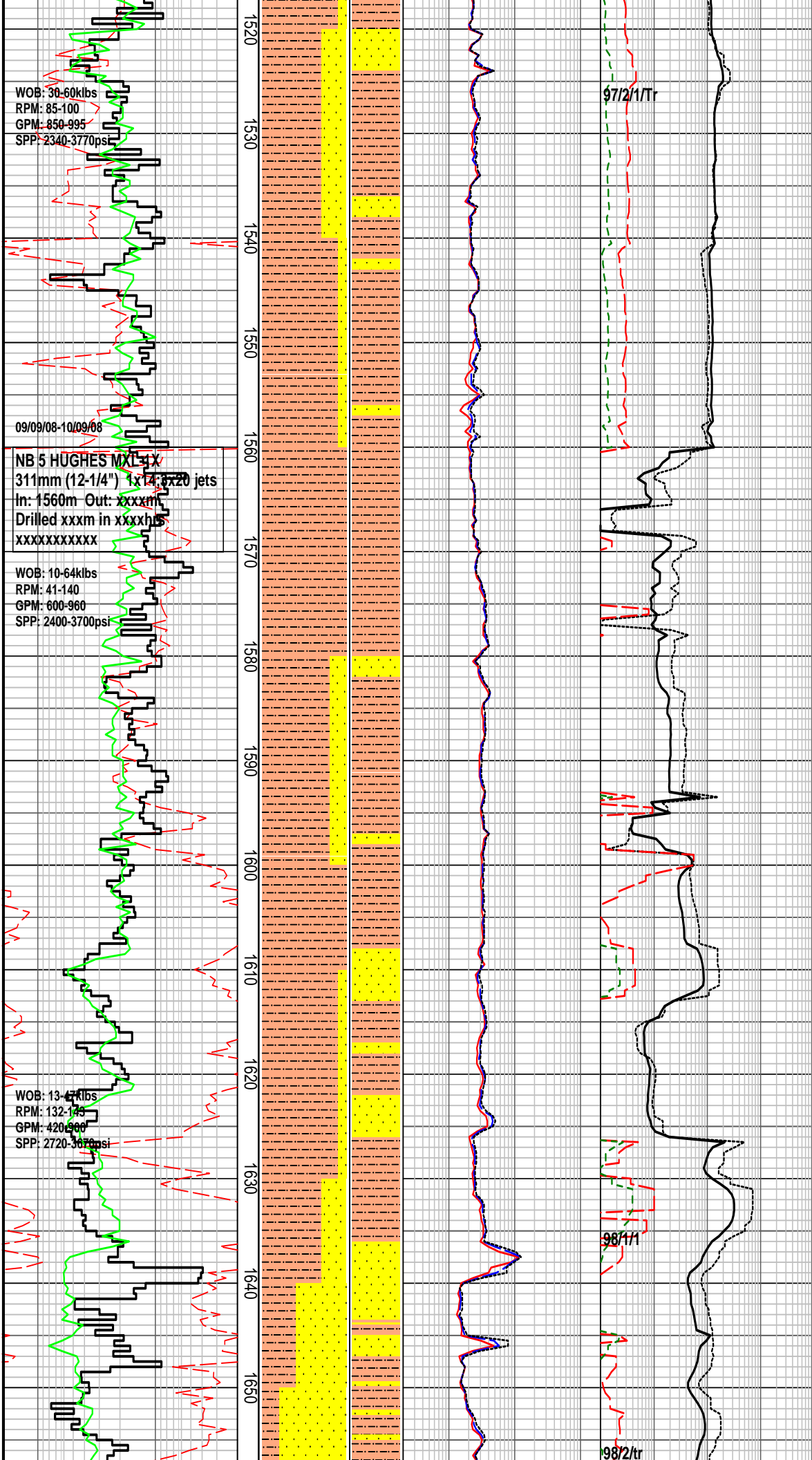
SANDSTONE: lt gy, clr-trnsl, vf-m gr, sbang-sbrndd, mod srt, rr wk sil cmt, mnr lt gy arg mtrx, com nod pyr, tr f gr glauc, fri agg, pred lse, fr inf por, no fluor

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



WOB: 30-60klbs
 RPM: 85-100
 GPM: 850-995
 SPP: 2340-3770psi

09/09/08-10/09/08

NB 5 HUGHES MXP 311
 311mm (12-1/4") 1x14, 3x20 jets
 In: 1560m Out: xxxxm
 Drilled xxxm in xxxxh
 xxxxxxxxxxxx

WOB: 10-64klbs
 RPM: 41-140
 GPM: 600-960
 SPP: 2400-3700psi

WOB: 13-47klbs
 RPM: 132-145
 GPM: 420-900
 SPP: 2720-3670psi

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 srt, sbang-sbrndd, mod calc cmt, com off wh arg mtrx, mnr lith

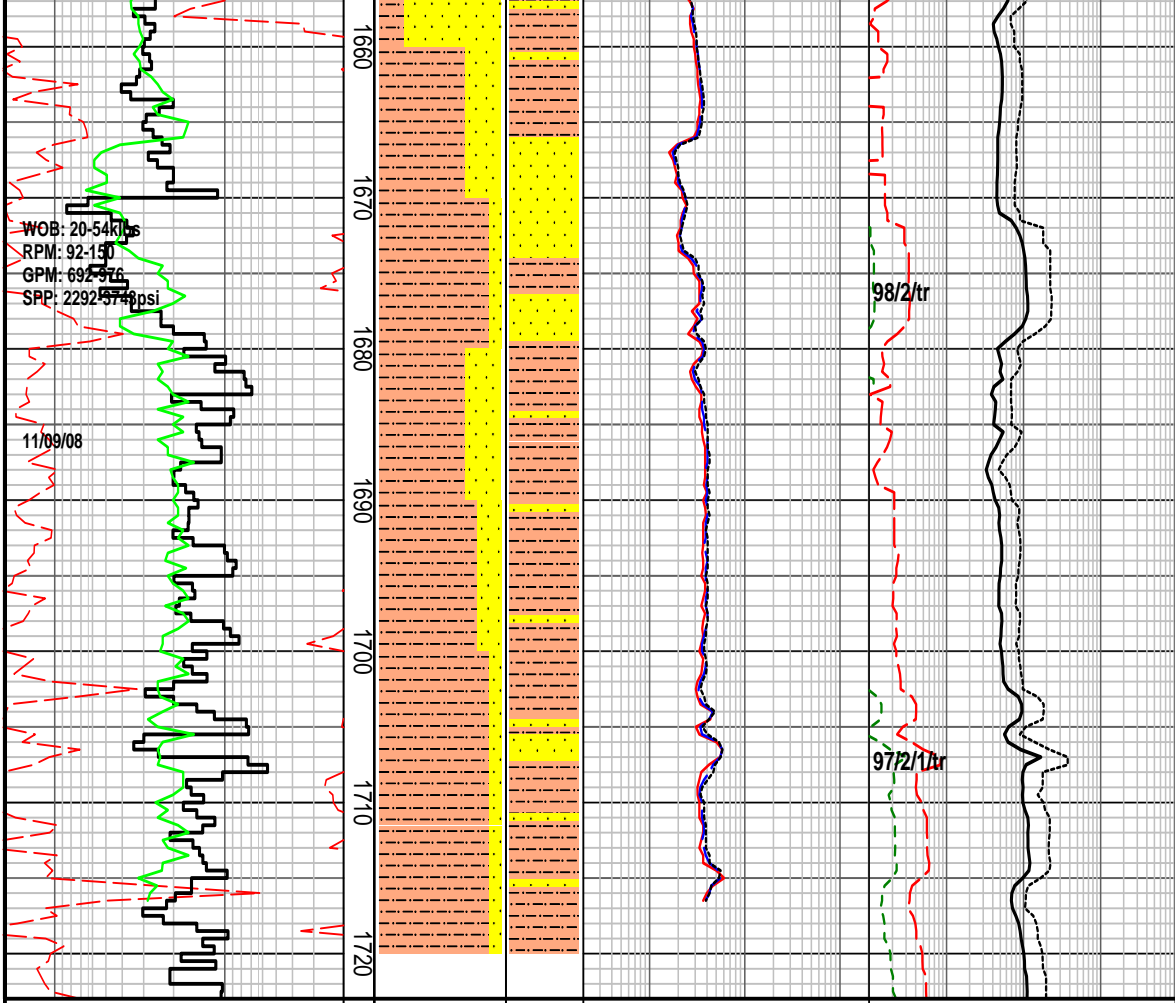
com on wh arg mtrx, mm rils, lse cln grs, fri, pr inf & vis por, no fluor

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 disagg f gr qtz, pr inf por, no fluor



HENRY-2 FORMATION EVALUATION LOG

WOB		MD meters 1:500	LITHOLOGY %	INTERPRETED LITHOLOGY	RESISTIVITY			CHROMATOGRAPH					CALC		REMARKS
10	20				30	40	Resistivity (shallow)			Total Gas					
ROP					2	20	200	1	10	100	1000	0	100		
Gamma					Resistivity (medium)			Methane					Dolomite		
API					2	20	200	Ethane					100	0	
					Resistivity (deep)			Propane							
					2	20	200	i-Butane							
								n-Butane							
								i-Pentane							
								n-Pentane							
								100 1000 10000 100000 ppm							