



DRILLING PARAMETER LOG

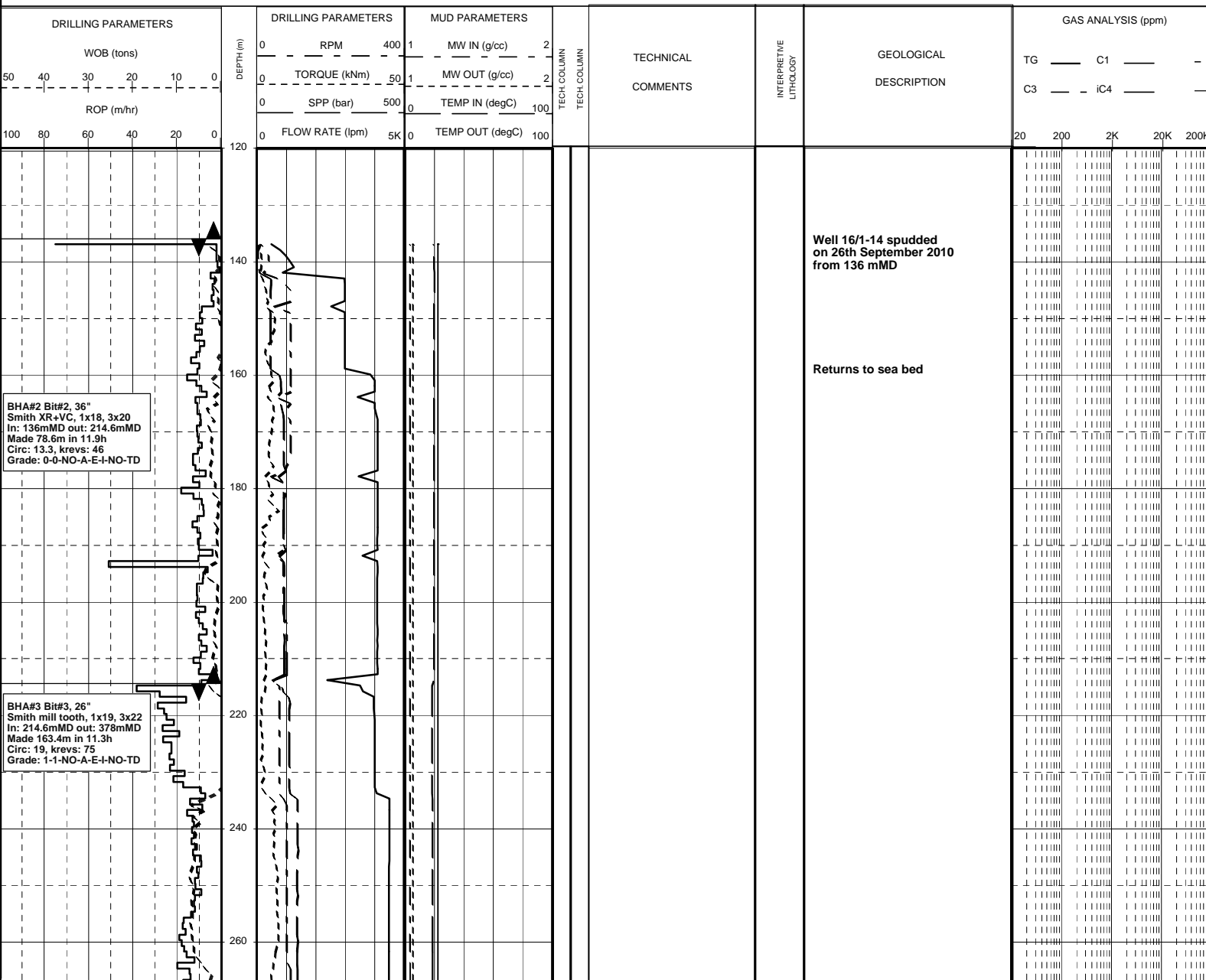
FROM (m) : 120 TO (m) : 2550 SCALE : 1/ 1000

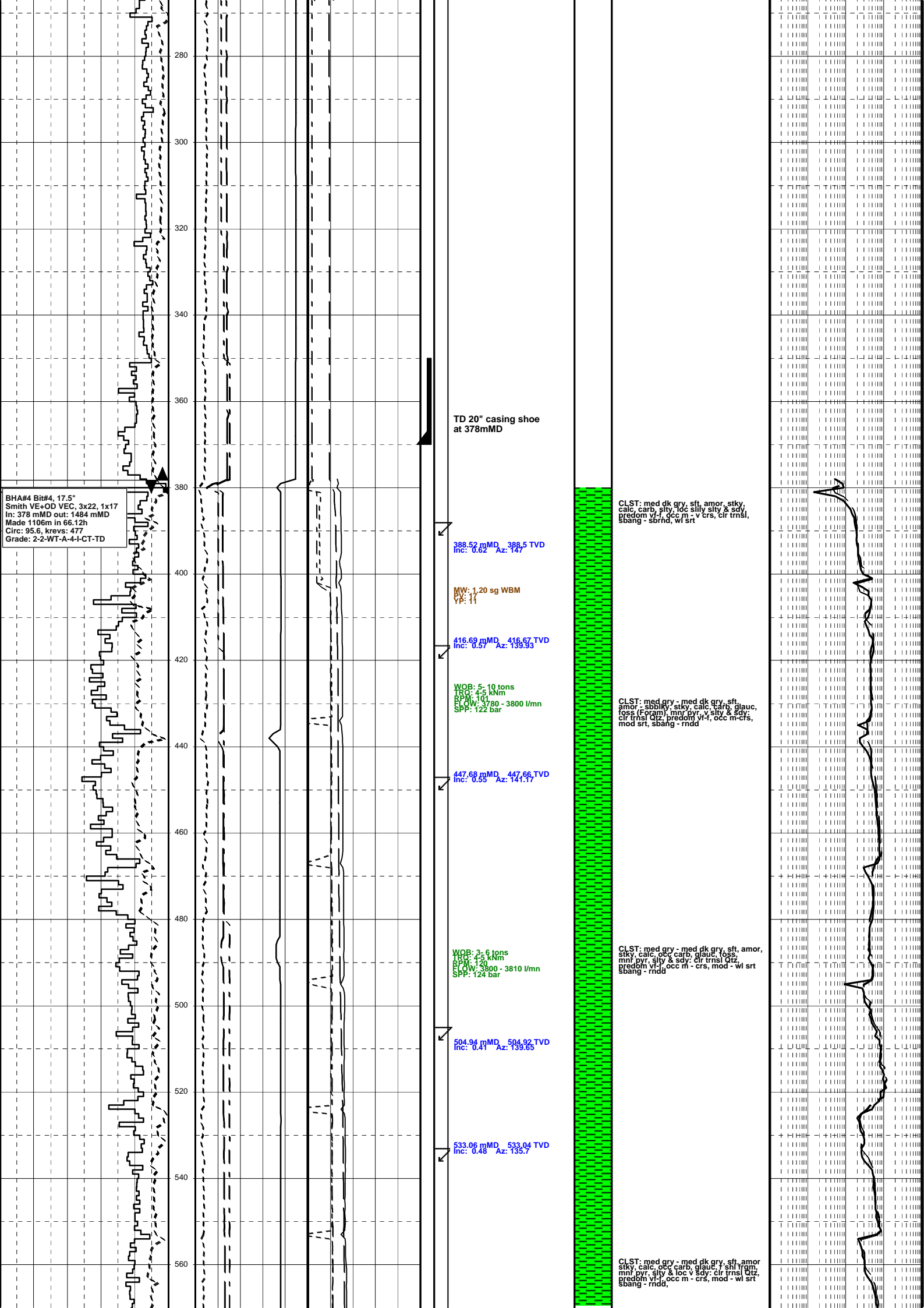
DPM2_N1Q.PR1

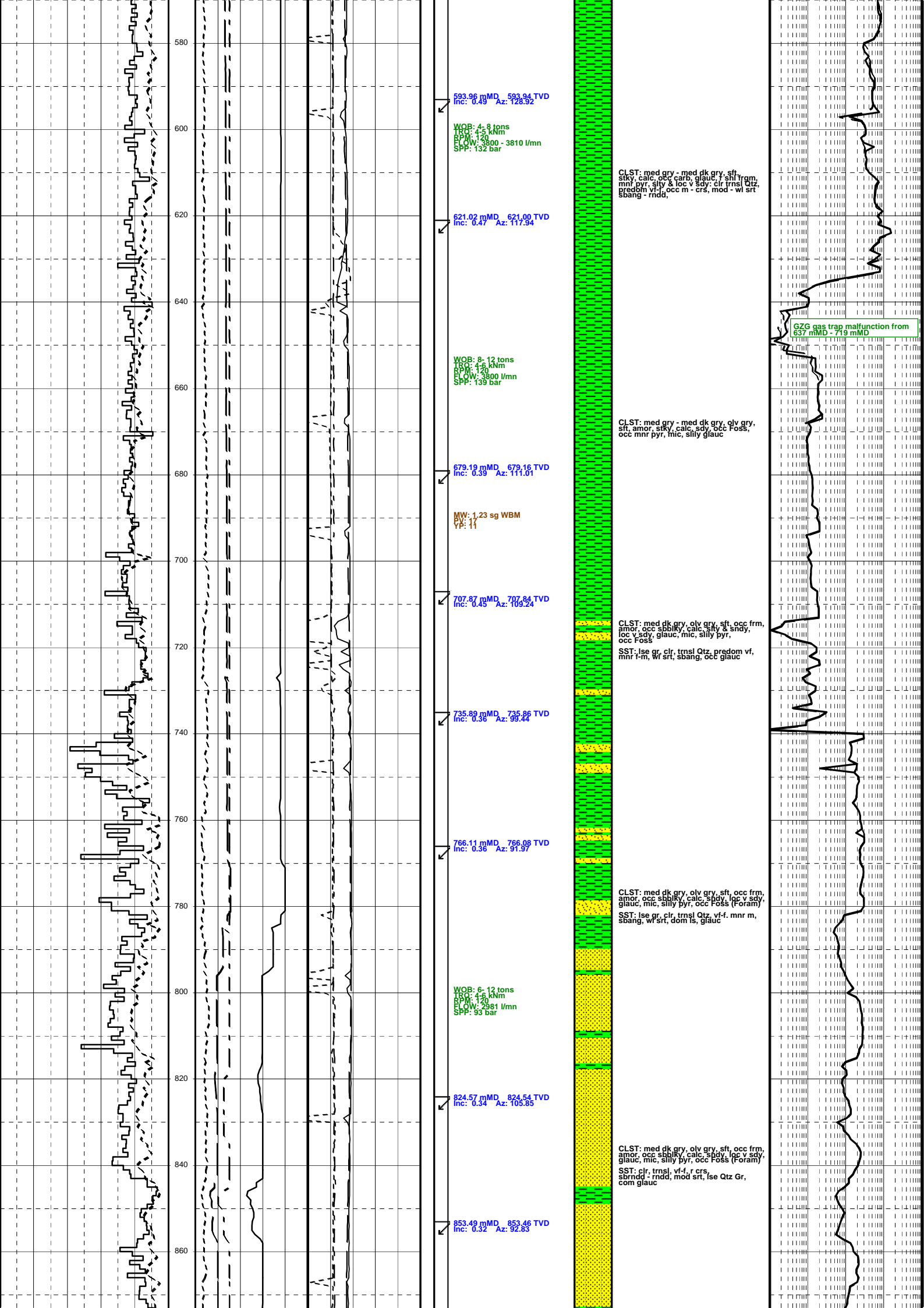
Well name	: 16/1-14	Location	: 2° 12' 10.5526" E 58° 53' 09.3097" N	Rig Name	: Transocean Winner
Company name	: Lundin	Country	: Norway	Rig Type	: Semi-Submersible
Reference depth	: ROTARY TABLE (RKB)	Final TD (m)	: 2550	UTM coordinate N (m)	: 6527773.05
Water depth (m)	: 110	Final TVD (m)	: 2549.9	UTM coordinate E (m)	: 454053.58
Rot table - MSL (m)	: 26	Spud date	: 26th September 2010	Well type	: Exploration
Rot table - seabed (m)	: 136	Reached TD	: 3rd November 2010	Area	: North Sea

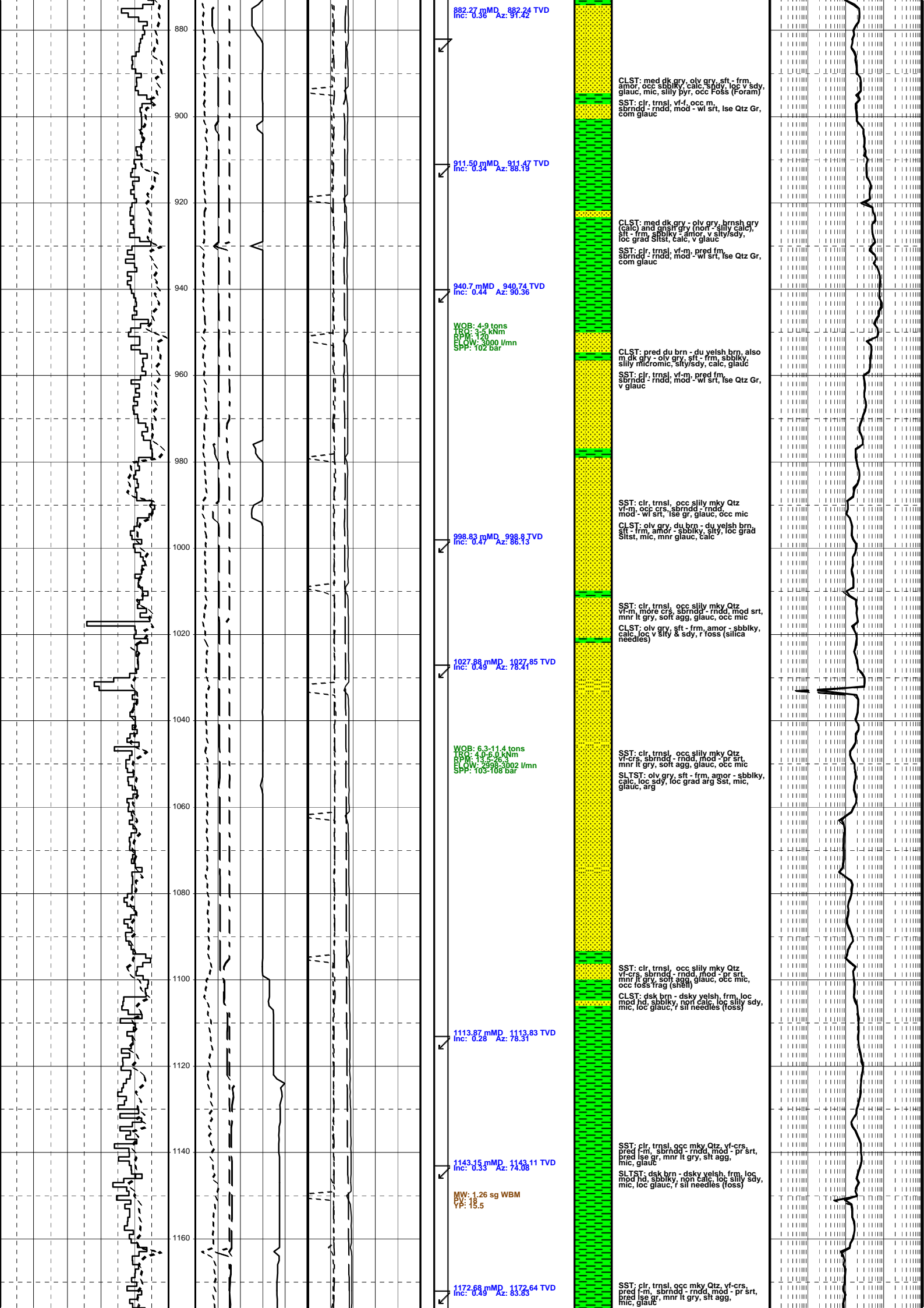
Generated by ALX Package

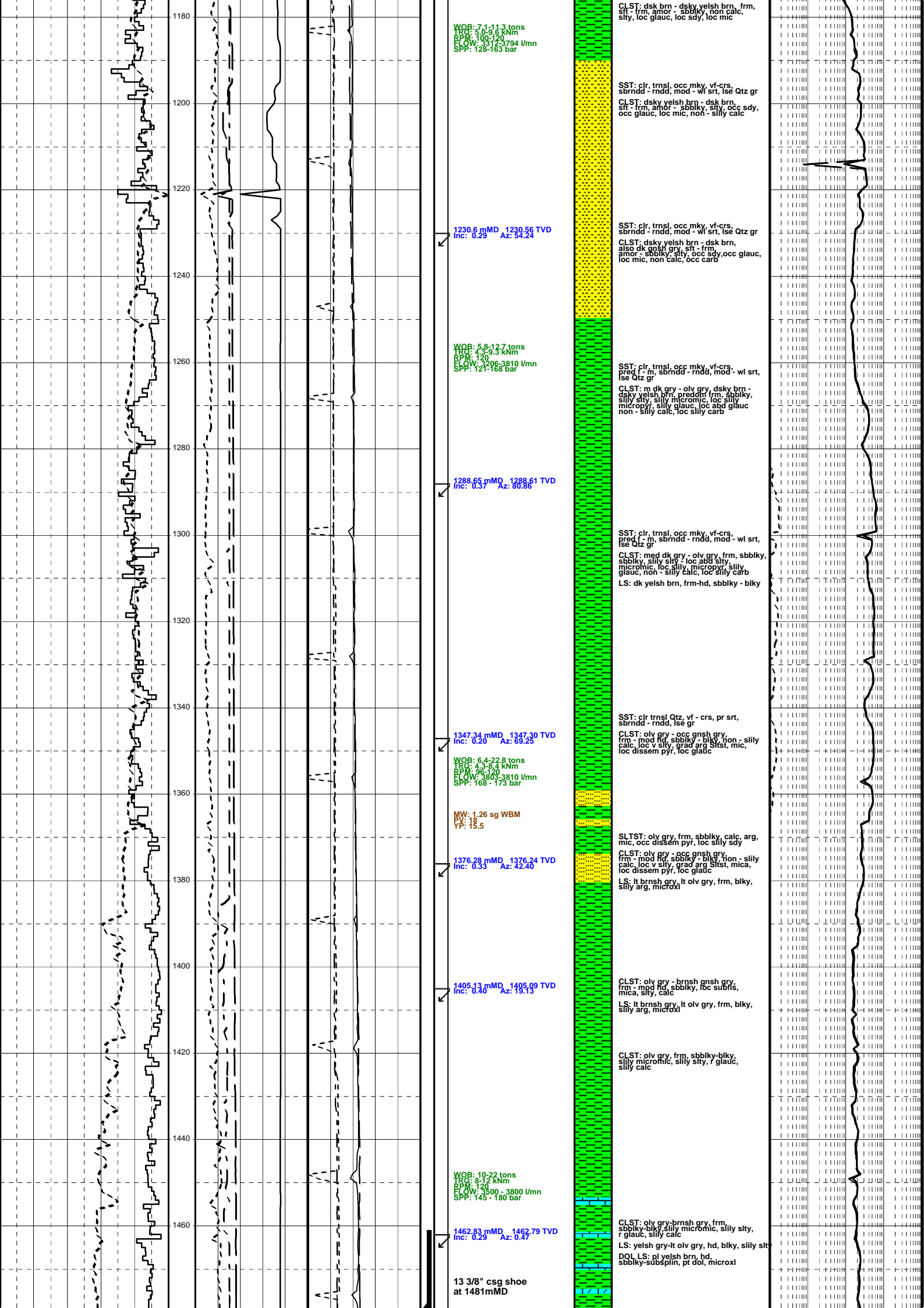
	Clay-shale		Calcareous clay-shal		Dolomitic clay-shale		Silty clay-shale		Sandy clay-shale		Marl		Dolomitic marl		Silty marl
	Dolomite		Calcareous dolomite		Argillaceous dolomit		Sandy dolomite		Argill and calc dolo		Sandy and calc dolom		Argill and sandy dol		Cargneule
	Limestone		Dolomitic limestone		Argillaceous limesto		Sandy limestone		Argill and dol lime		Argill and sandy lim		Sandy and dol limest		Chalk
	Silt		Fine sand		Medium sand		Coarse sand		Siltstone		Fine sandstone		Medium sandstone		Coarse sandstone
	Argillaceous sandsto		Calcareous sandstone		Dolomitic sandstone		Calc and dol sandsto		Argill and calc sand		Argill and dol sands		Bitumeous sandstone		Glaucconitic sandston
	Halite		Anhydrite		Gypsum		Sylvite		Volcanics		Granit		Volcanic elements		











BHA#5 Bit#5, 12.25"
Halliburton FX65R, 3x13, 1x15
In: 1484mMD out: 2235mMD
Made 731m in 29.8h
Circ: 61.8, krevs: 253
Grade: 1-2-BT-A-X-I-NO-TD

MW: 1.35 sg WBM
Yp: 19

WOB: 4.5-22.1 tons
TSC: 3.0-5.7 kNm
ROP: 74-120
SPW: 3077-3810 l/mn
SPR: 172 - 180 bar

1526.64 mMD 1526.6 TVD
Inc: 0.49 Az: 314.1

1555.76 mMD 1555.71 TVD
Inc: 0.54 Az: 320.86

WOB: 1.1-5.5 tons
TSC: 3.0-5.7 kNm
ROP: 74-120
SPW: 3075-3504 l/mn
SPR: 180-228 bar

1584.99 mMD 1584.94 TVD
Inc: 0.36 Az: 314.52

WOB: 0-2.4 tons
TSC: 3.0-5.7 kNm
ROP: 80-120
SPW: 3008-3498 l/mn
SPR: 177 - 231 bar

1643.47 mMD 1643.43 TVD
Inc: 0.32 Az: 329.62

MW: 1.35 sg WBM
Yp: 19.5

1672.44 mMD 1672.39 TVD
Inc: 0.22 Az: 338.48

1700.89 mMD 1700.84 TVD
Inc: 0.18 Az: 346.54

MW: 1.35 sg WBM
Yp: 19

1729.45 mMD 1729.41 TVD
Inc: 0.44 Az: 346.52

1758.1 mMD 1758.05 TVD
Inc: 0.29 Az: 309.8

SST:clr trnsl, mnr lt brn - or Qtz, predom vf-f, occ m-crs, wl srt, sbang-sbrndd, lse gr

CLST:olv gry - dk gry, frm, sbbiky-blky, micromic, silly slty, loc pyr

LS:lt brnsh gry-lt oly gry, frm, loc hd, sbbiky-crmby, loc subspilin,microxi, silly arg, occ foss frag

SST:clr trnsl, occ mky Qtz, predom vf-f, m-crs, wl srt, sbang-sbrndd, predom lse gr, occ fri agg, lt gry, sil cmt, loc silly arg, tr glauc

CLST:dk gnsh gry, frm, sbbiky, non calc silly mica, loc micropyr, wxy

SST:clr trnsl Qtz, vf-f, mpr m, r crs, wl srt, sbang-sbrndd, predom lse gr, or occ fri agg, lt gry, sil cmt, occ glauc,mnr pyr nod

CLST:dk gnsh gry, frm, sbbiky, non calc silly mica, loc micropyr, wxy

DOL:pl yelsh gry, frm, loc hd,sbbiky-crmby, loc subspilin, microxi, silly arg

SST: clr trnsl, occ silly mky Qtz,vf-m, occ crs, mod srt, sbrndd-rhdd, occ sbang, predom lse gr, occ frm, sil cmt, lt gry, occ hd, pyr cmt, pyr nod

CLST:dk gnsh gry, frm, sbbiky, non calc, silly mica, loc micropyr, wxy

SST:clr trnsl, occ silly mky Qtz, vf-crs, or srt, sbrndd-rhdd, predom lse gr

CLST:med dk gry-dk gnsh gry, frm, sbbiky, micropyr, wxy

