

55-60 CGLN(100%): lt red brn, gy gn mnr yel, lithic, 70% vf to c gr rd to sb ang ss mtz, mnr ye' 7 on mtz seems to coincide with best por, slty sections, occ calc lesser wh gn clay cmt, sl firm, mics ip, 30% predy red brn and gy gn rd to sb rd qtz, qtz, cht and vcol silc frags, mnr ls clasts, tr jasper, clasts predy > 0.3 - < 1.5 cm, assumed p to incrgly fair intgr por, tr fracs, no flor, pos tr v faint sl blmg dull yel flor cut.

60-65 SS CGLN(100%): lt red brn, lithic, predy vf to med gr, occ c ss gr, slty ip, incrg calc cmt, pos clay cmt, 15% silc clasts predy < 0.5 cm, mics, predy tt to occ sections with fair intgr por, no flor, tr slow to mod stmg yel flor cut.

65-70 SS CGLN(100%): lt red brn, lithic, predy rd to sb ang vf to occ c ss gr, predy calc cmt, 30% rd to ang vcol silc clasts, mnr ls clasts, mics ip, tt to tr fair intgr por, tr dull yel flor, tr slow stmg yel flor cut.

70-75 SS CGLN(100%): As above, lt red brn, gn, 60% predy vf to occ c ss mtz, 40% red brn and gn silc frags, mnr ls frags, calc and incrg clay cmt, rr dull yel flor, rr slow stmg yel flor cut.

75-80 CGLN(100%): lt red brn, lithic, 15% rd to sb ang predy vf to med gr ss mtz, mnr calc and pos clay cmt, w ind, 85% rd to ang red brn, gy gn, and crm silc clast frags, incrg ls and dolc clasts, clasts up to 1 cm, mics in mtz, assumed tt to p intgr por, tr fracs, rr yel flor, no flor cut.

80-85 CGLN(100%): lt red brn, gn, lithic, 25% rd to sb ang vf to med gr ss mtz, calc and clay cmt, w ind, 75% clasts and clast frags as above, assumed p to tr fair intgr por, tr fracs, tr dull yel flor, slow stmg yel flor cut pos along frac.

85-88 CGLN(100%): lt red brn, gn, lithic, 30% rd to sb ang vf to med gr ss mtz, calc and clay cmt, w ind, 70% clasts and clast frags of predy red and gn qtz, cht, occ ls frags, assumed p to tr fair intgr por, tr fracs, tr dull yel flor, slow stmg yel flor cut pos along frac.

92-95 SS CGLN(100%): lt red brn, lesser wh and gn, lithic, 80% vf to med gr ss mtz, sb ang to sb rd, predy calc and clay cmt, 20% silc clasts, assumed p to pos fair intgr por, tr fracs, ns.

95-100 CGLN(100%): red brn, lithic, 40% vf to l c gr ss mtz, calc and clay cmt, mics, 60% silc clasts, occ ls clasts 0.5 - 2 cm, assumed p to pos fair intgr por, tr dull yel flor, tr mod stmg yel flor cut.

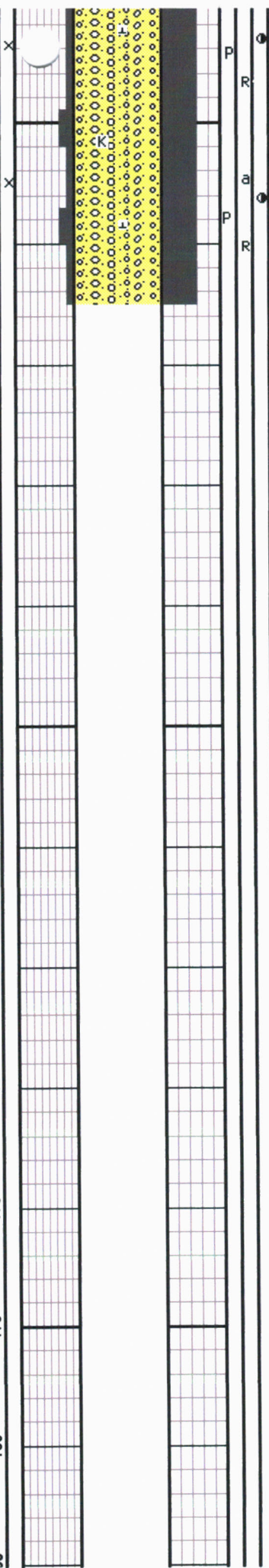
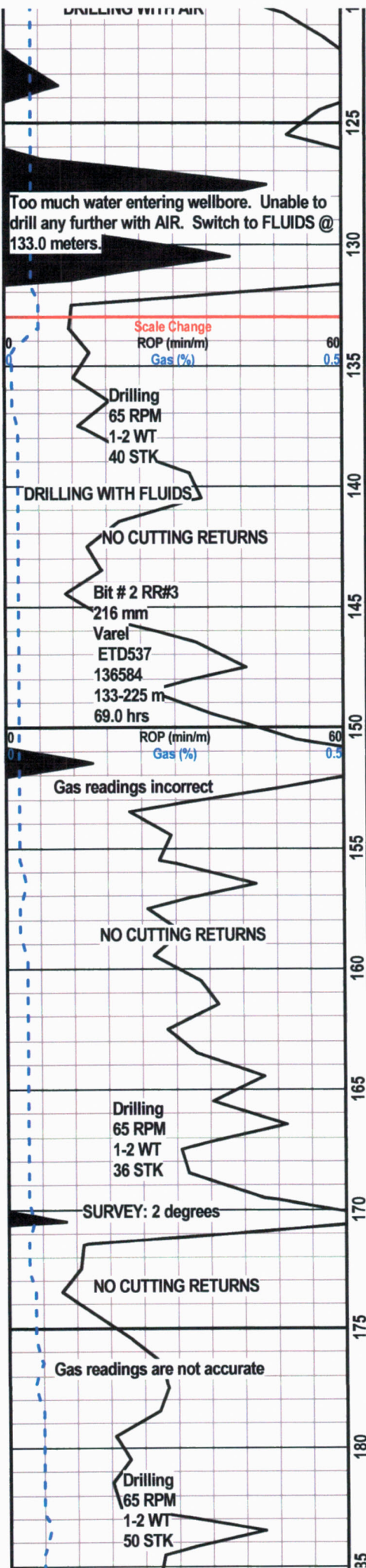
100-105 CGLN(100%): red brn, gn and gy, lithic, 30% vf to l c gr ss mtz, calc and clay cmt, mics, 70% qtz, cht, qtz clasts, occ ls clasts 0.3 - 1 cm, assumed p intgr por, tr dull yel flor, tr slow stmg yel flor cut.

105-110 CGLN(100%): red brn, gn and gy, lithic, 40% vf to l c gr ss mtz, calc and clay cmt, rd to sb ang, arg, mics, 60% qtz, cht, qtz clasts, occ ls clasts 0.7 - 1.5 cm, assumed p intgr por, tr fair intgr por, tr fracs, tr dull yel flor, tr slow stmg yel flor cut.

110-115 CGLN(100%): predy red brn, lesser lt wh gn sections, lithic, 80% predy vf to med gr, mnr c gr ss mtz, slty ip, calc and clay cmt, pos arg, fri ip, mics, rd to sb ang, 20% rd to sb ang vcol silc clasts up to 1 cm, occ lt gy crm ls frags, predy tt to p intgr por with tr fair intgr por in lt gn sections, tr to tr sp yel flor, tr slow stmg yel flor cut.

115-120 CGLN(100%): red brn, gn and gy, lithic, 70% vf to med ss mtz, calc and incrg clay cmt, 30% red, crm, gn, and gy silc clasts, mnr ls clasts up to 1.5 cm, p intgr por, tr fracs, tr dull yel flor, mod stmg yel flor cut.





120-125 CGLN(100%): med brn, gn and gy, lithic, 80% vf to med ss mtx, rd to sb ang, calc and cmt, w ind, 20% red, crm, gn, and gy silc clasts, mnrls clasts up to 1.0 cm, p to tr fair intgr por, tr fracs, tr dull yel flor, mod stmg yel flor cut.

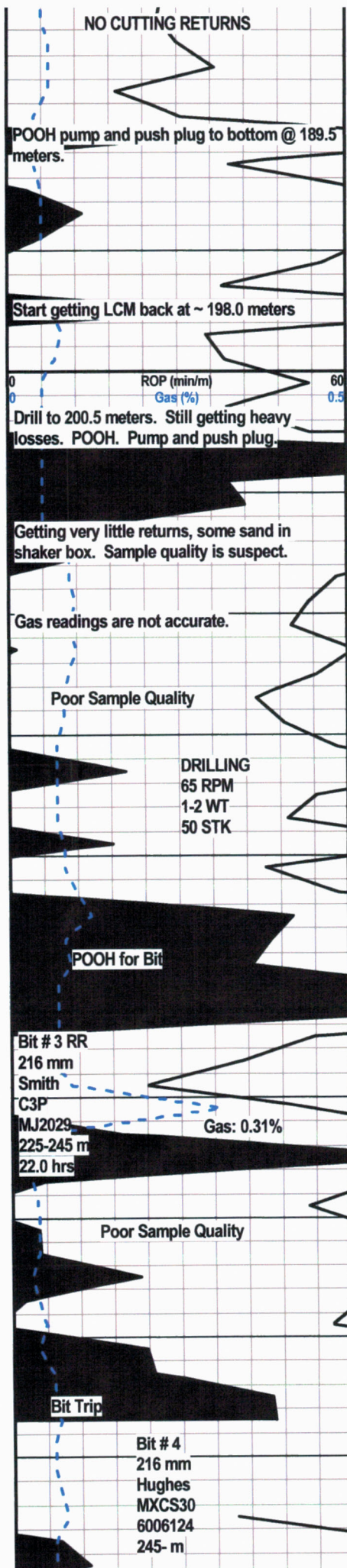
125-133 CGLN(100%): red brn, lt gn, occ omg, lithic, 70% vf to med gr ss mtx, slty ip, rd to sn ang, calc and clay cmt, sidc ip, fri, 30% wh qtz, red brn, gy and crm silc clasts, mnrls clasts up to 1 cm, rd to ang, p to mnrl fair intgr por, tr fracs, tr to tr sp yel flor, mod stmg yel flor cut.

NO CUTTING RETURNS

NO CUTTING RETURNS

NO CUTTING RETURNS





NO CUTTING RETURN

Start getting LCM back at ~ 198.0 meters

199.0 SS(100%): lt red brn, lt gy, sb lithic, predy slty to vf gr, mnr lf gr, calc, fri, predy lse qtz grs, ang to lesser sb rd, mics, occ gn arg mat, pos qtz ovgrs, assumed p intgr por, tr yel flor, slow strng yel flor cut.

205 SS CGLN(100%): lt red brn, sb lithic, 80% lse qtz grs, ang to sb rd, slty to med gr, mnr c gr, calc and clay cmt, mnr mica, com silc frags, mnr sh grs, assumed p to fair intgr por, ns.

210 SS(100%): lt red brn, sb lithic, 85-90% lse qtz grs, slty to l med gr, calc cmt, fri, ang to sb rd, kao, com red brn and gy gn silc frags, mnr mica, rr ls frags, assumed p to pos fair intgr por, ns.

215 SS(100%): lt red brn, sb lithic, 85% lse qtz grs, slty to l med gr, calc cmt, fri, ang to sb rd, kao, red brn and gn silc frags, assumed p to pos fair intgr por, ns.

220 SS(100%): lt red brn, sb lithic, 80% lse qtz grs, slty to l med gr, calc and pos clay cmt, kao, fri, ang to com sb rd, red brn and gn silc frags, occ sh frags, assumed p to pos fair intgr por, ns.

225 SS(100%): lt red brn, sb lithic, 75-80% lse qtz grs, slty to f gr, occ l med gr, calc and pos clay cmt, kao, fri, predy ang to lesser sb rd, com med to c red brn and gn silc frags, occ sh frags, hem grs, assumed p to pos fair intgr por, ns.

230 SS(100%): lt red brn, lithic, 70-75% lse qtz grs, slty to l med gr, calc and pos clay cmt, kao, fri, ang to sb rd, red brn and gn silc frags, com wh gy mcxln thin ls frags, com clr and trns l qtz frags, occ sh frags, assumed p to pos fair intgr por, ns.

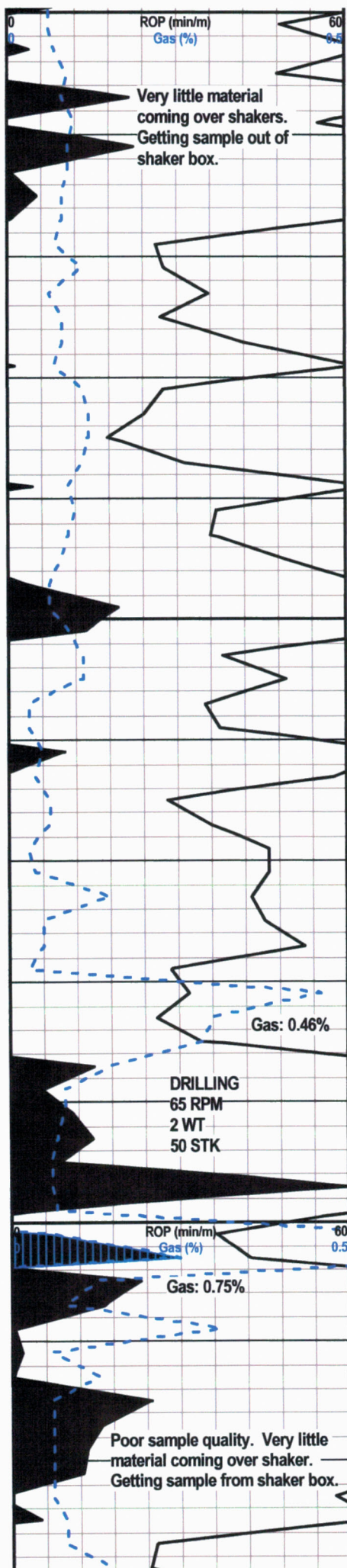
235 SS(100%): lt red brn, lithic, 70% lse qtz grs, slty to f gr, occ l med gr, calc and pos clay cmt, kao, fri, ang to occ sb rd, f to c red brn and gn silc frags, occ wh gy mcxln thin ls mat, com clr and trns l qtz frags, occ sh frags, assumed p to pos fair intgr por, ns.

240 SS(100%): lt red brn, lithic, 70% lse qtz grs, incrgly slty to lesser f gr, mnr med gr, calc and clay cmt, predy ang to mnr rd, com silc frags, occ sh, occ ls frags, mnr mica, assumed p intgr por, ns.

245 SS(100%): lt red brn, lithic, 70% lse qtz grs, incrgly slty to lesser f gr, mnr med gr, calc and clay cmt, predy ang to mnr rd, com silc frags, occ sh, occ ls frags, mnr mica, assumed p intgr por, ns.

250 SS(100%): lt red brn, lithic, 70% lse qtz grs, v slty to lesser f gr, mnr med ar. calc and clay cmt. fri. predv ang to sb ana. 20% vf to med





silc grs and frags, occ sh occ ls frags, tr mica, assumed p intgr por, ns.

255 SS(100%): lt red brn, lithic, 50-60% lse qtz grs, slty to f gr, mnr med gr, calc and clay cmt, fri, predy ang to mnr sb rd, 30% red brn, gn and gy silc grs and frags, occ gy and gn sh, occ wh ls, mnr mica, assumed p intgr por, ns.

260 SS(100%): lt red brn, lithic, 60% lse qtz grs, slty to f gr, mnr calc and clay cmt, fri, predy ang to mnr sb rd, 25% red brn and gn silc grs and frags, occ sh, occ to com thin wh chky ls, mnr mica, mnr hem, assumed p intgr por, ns.

265 SS(100%): lt red brn, lithic, 70% lse qtz grs, slty to mnr med gr, mnr calc and clay cmt, fri, predy ang to sb ang, 20% red brn and gn vf to mnr c silc grs and frags, occ sh, occ thin wh chky ls, occ hem, mnr mica, assumed p intgr por, ns.

270 SS(100%): lt red brn, lithic, 70% lse qtz grs, slty to occ med gr, mnr calc and clay cmt, fri, predy ang to sb ang, 25% red brn and gn silc grs and frags, occ sh, occ to com thin wh chky ls, mnr mica, mnr hem, assumed p intgr por, ns.

275 SS(100%): lt red brn, lithic, 60% lse qtz grs, slty to f gr, mnr calc and clay cmt, fri, predy ang to mnr sb rd, 25% red brn and gn silc grs and frags, occ sh, occ to com thin wh chky ls, mnr mica, assumed p intgr por, ns.

280 SS(100%): lt red brn, lithic, 60% lse qtz grs, vf to mnr med gr, slty, calc and clay cmt, fri, predy ang to mnr sb rd, 30% f to c ang red brn and gn silc and incrg sh grs and frags, incrg thin wh chky ls, mnr mica, mnr f hem, assumed p intgr por, ns.

285 SS(100%): lt red brn, lithic, 75% lse qtz grs, vf to c gr, sl slty, calc and clay cmt, fri, predy ang to rd, 20% red brn and gn sh and lesser silc grs and frags, occ to com thin wh chky ls, mnr hem, assumed p to pos fair intgr por, tr wh yel flr, tr slow stmg wh yel flr cut.

290 SS(100%): lt red brn, lithic, 75% lse qtz grs, u vf to l c gr, calc and clay cmt, fri, rd to sb ang, 20% red brn, gn and gy silc and sh grs and frags, occ thin wh chky ls, tr coal grs, assumed p to pos fair intgr por, tr to tr sp dull yel flr, mod stmg yel flr cut.

295 SS(100%): lt red brn, lithic, 75% lse qtz grs, vf to med gr, incrg wh and lt gy calc and clay cmt, fri, predy sb rd to sb ang, 25% red brn, gn and gy silc and incrg sh grs and frags, occ thin wh chky ls, tr hem, assumed p to pos fair intgr por, tr dull yel flr, mod to fast stmg wh yel flr cut.

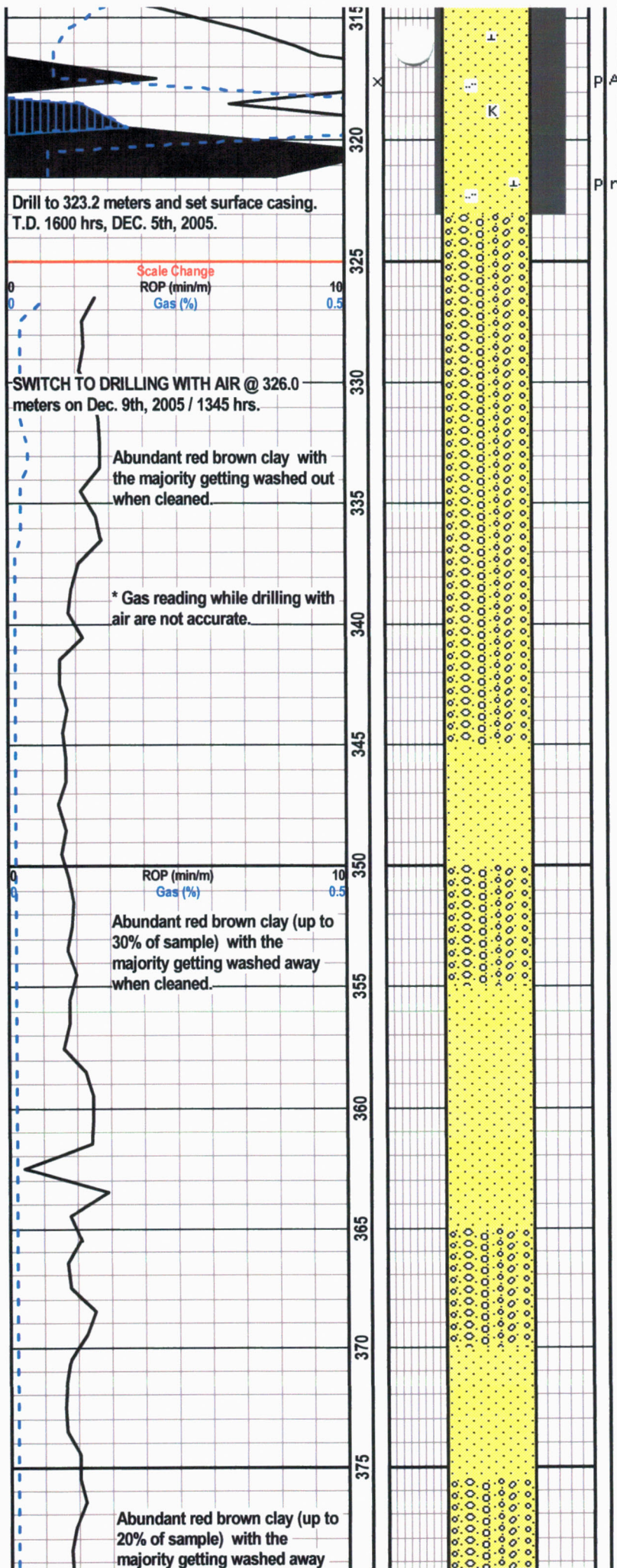
300 SS(100%): lt red brn, lithic, 60% lse qtz grs, vf to med gr, occ to com wh and lt gy calc and clay cmt, fri, predy sb rd to sb ang, 35% red brn, gn and gy silc and incrg sh grs and frags, occ ls frags, tr hem, assumed p to pos fair intgr por, tr dull yel flr, mod to fast stmg wh yel flr cut.

305 SS(100%): lt red brn, lithic, 75% lse qtz grs, slty to med gr, ang to sb rd, wh calc to wh, gy and lt red brn clay cmt, fri, 25% red brn, gn, gy to dk gy lithic grs, occ clr and trns l qtz, tr hem, assumed p intgr por, ns.

310 SS(100%): lt red brn, lithic, 60% qtz grs, vf to med gr, slty, ang to lesser rd, com wh to lt gy calc and clay cmt, fri, 25% f to v c red brn, gy to dk gy, and gn silc and sh / lithic grs and frags, occ clr and trns l qtz, mnr lt gy and crm ls, assumed p intgr por, tr to rr dull yel flr, slow stmg wh yel flr cut.

315 SS(100%): lt red brn, lithic, 60% qtz grs, slty to med gr, ang to sb





rd, com wn to lt gy calc and clay cmt, m, 30% f to v c lithic grs and frags as above, occ clr 'trnsil qtz, mnr lt gy and crm ls, assumed p intgr por, ns.

320 SS(100%): lt red brn, lithic, 55-60% qtz grs, slty to med gr, predy ang to sb rd, com wh to lt gy calc and clay cmt, fri, 30-35% f to v c red brn, gn, and dk gy lithic grs and frags, occ clr and trnsil qtz, mnr lt gy and crm ls, assumed p intgr por, ns.

326-330 CGLN(100%): red brn, lithic, 10-15% vf to med gr ss mtx, calc and clay cmt, rd to sb ang, fri, 85-90% red brn, gy to dk gy, gn, crm, qtz, qtz, cht / silc clast frags predy > 3 mm to < 1 cm, occ ls frags, assumed p to pos fair intgr por, pos mnr frac por, ns.

330-335 SS / CGLN(100%): red brn, lithic, 50% vf to c ss mtx, abnt red brn clay and lesser calc cmt, predy rd to sb ang, fri, 50% red brn, gy to dk gy, incrg gn, crm, qtz, qtz, cht / silc clast frags predy > 3 mm to < 1 cm, occ ls frags, assumed p intgr por, pos mnr frac por, ns.

335-340 CLYST CGLN(100%): red brn, lithic, 50% red brn clay getting washed away when cleaned, 10-15% vf to med rd to sb ang ss mtx, 50% predy red brn, gn, and dk gy silc sb rd to sb ang clasts > 0.3 - < 1.0 cm, mnr calc cmt, mnr ls clasts, assumed p intgr por, ns.

340-345 SS CGLN (100%): red brn, lithic, 80% lt red brn to clr rd to sb ang vf to l c ss mtx, abnt red brn clay and mnr calc cmt / mtx, 20% > 0.2 cm red brn, brn, gy and lesser gn silc clasts, tr ls clasts, assumed p intgr por, ns.

345-350 SS(80%): red brn, sb lithic, 85-90% lse qtz grs, abnt red brn clay mtx / cmt, calc, vf to l c gr, slty, pred rd to sb ang, mnr ang, 5-10% < 0.3 cm silc clasts as above, assumed p to pos fair intgr por, ns. SS(20%): gy gn, lithic, slty to f gr, calc and gy gn clay cmt, rd to sb ang, v mics, tt, ns.

350-355 SS CGLN (100%): red brn, lithic, 80% lt red brn to clr rd to sb ang vf to l c ss mtx, v slty, abnt red brn clay and mnr calc cmt / mtx, 20% > 1.0 cm red brn, gy and mnr gn silc clasts, assumed p intgr por, ns.

355-360 CLY SS (100%): red brn, sb lithic, 85% lse qtz grs, abnt red brn clay mtx / cmt, calc, vf to l c gr, slty, pred rd to sb ang, 5-10% < 0.5 cm red brn, brn, gy and gn silc clasts, tr ls clasts, assumed p to pos fair intgr por, tr yel flr, mod stmg yel flr cut.

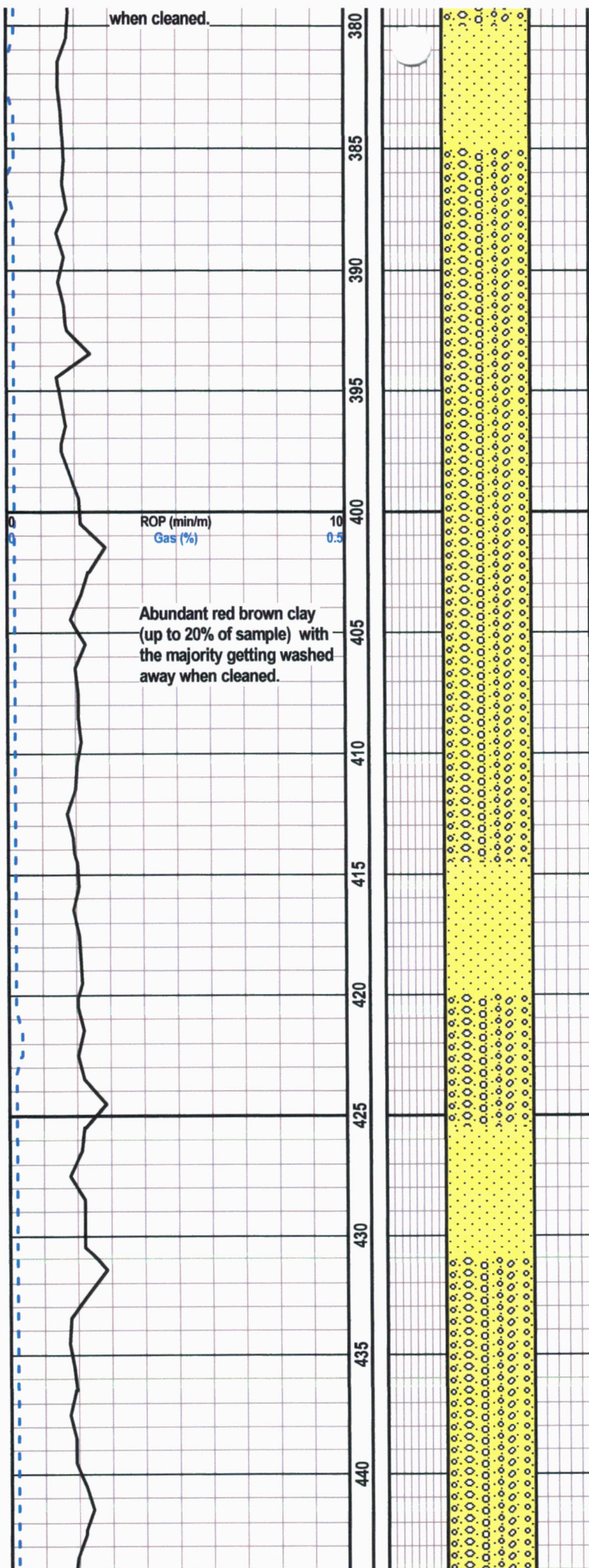
360-365 CLY SS (100%): red brn, sb lithic, 80% lse qtz grs, v abnt red brn clay mtx / cmt, calc, predy vf to med gr, tr c gr, slty, pred rd to sb ang, 10-15% < 0.5 cm red brn, brn, gy and gn silc clasts, tr ls clasts, assumed tt to p intgr por, tr to rr yel flr, mod stmg yel flr cut.

365-370 CGLN (100%): red brn to gy gn, lithic, 15-20% vf to v c rd to sb ang qtz ss mtx, abnt red brn clay cmt / mtx, mnr calc cmt, 80% red brn, brn to gy gn, lesser tan silc clasts < 1.0 cm, occ LS clasts, assumed p intgr por, pos frac por, tr to rr dull yel flr, slow stmg wh yel flr cut.

370-375 CLY SS (100%): red brn, sb lithic, 80% lse qtz grs, v abnt red brn clay mtx / cmt, calc, predy vf to med gr, com slty, predy rd to sb ang, occ < 0.5 cm silc clasts as above, tr hem, tr mica, assumed tt to p intgr por, ns.

375-380 SS CGLN (100%): red brn, lithic, 60% lse rd to sb ang qtz ss mtx, vf to med gr, tr l c gr, slty, abnt red brn cly mtx / cmt, mnr calc cmt, 40% red brn, gy, gy gn and peach silc clasts 0.2-1.0 cm, tr mica, mnr LS clasts, assumed p to pos fair intgr por, pos frac por, tr to tr sp yel flr, mod stmg wh yel flr cut.





380-385 CLY SS (100%) d brn, sb lithic, 80% lse qtz grs, v abnt red brn clay mtz / cmt, calc predy vf to med gr, slty, predy rd to sb ang, 5-10% < 1.0 cm silc clasts as above, tr hem, tr mica, assumed tt to p intgr por, tr yel flor, mod stmg wh yel flor cut.

385-390 SS CGLN (100%): red brn, lithic, 70% lse rd to sb ang qtz ss mtz, slty to med gr, tr c gr, abnt red brn cly mtz / cmt, mnrcalc cmt, 25% silc clasts 0.2-1.0 cm, tr mica, mnrcalc LS clasts, assumed p to pos fair intgr por, pos frac por, tr yel flor, mod stmg wh yel flor cut.

390-395 SS CGLN (100%): red brn, lithic, 65% lse rd to sb ang qtz ss mtz, incrgly slty to med gr, abnt red brn cly mtz / cmt, mnrcalc cmt, 35% silc clasts 0.3-1.0 cm, incrg wh chky to gy LS clasts, assumed p to pos fair intgr por, pos frac por, ns.

395-400 SS CGLN (100%): red brn, lithic, 30% lse rd to sb ang qtz ss mtz, v slty to f gr, lesser med gr, abnt red brn cly mtz / cmt, mnrcalc cmt, predy fri with tt firm sections, 65% predy red brn and gy gn silc clasts 0.2-0.6 cm, occ wh chky to gy LS clasts, assumed p to pos fair intgr por, pos frac por, ns.

400-405 CGLN(100%): red brn to gy gn, lithic, 10% ss mtz as above, com red brn cly mtz, mnrcalc cmt, 80% red brn, gy, gy gn silc clasts and clast frags, 5% crm ls clasts, p to pos fair intgr por, ns.

405-410 SS CGLN(100%): red brn, lithic, 75% lse rd to lesser sb ang slty to med gr ss mtz, mnrcalc gr, fri to mnrcalc tt firm sections, abnt red brn cly cmt / mtz, mnrcalc cmt, 25% silc and lesser ls clast frags < 1 cm, tr hem, p intgr por, tr dull yel flor, rr yel flor cut.

410-415 SS CGLN (100%): red brn, lithic, 80% lse rd to sb ang qtz ss mtz, predy slty to f gr, occ med gr, abnt red brn cly mtz / cmt, mnrcalc cmt, 20% silc clasts, occ LS clasts, assumed p to pos fair intgr por, pos frac por, tr to sp yel flor, tr slow yel flor cut.

415-420 SS(100%): red brn, lithic, predy slty to f gr, lesser med to tr c gr, abnt red brn clay mtz / cmt, mnrcalc cmt, rd to lesser sb ang, 5-10% silc clasts as above, 80-85% qtz, 15% cht grs, mnrcalc arg grs, tr hem, mnrcalc ls clasts, assumed p to pos fair intgr por, tr to sp dull yel flor, slow stmg wh yel flor cut.

420-425 SS CGLN(100%): red brn, sb lithic, 75% lse qtz grs, predy slty to occ med gr, lesser c gr, abnt red brn clay mtz / cmt, mnrcalc cmt, rd to lesser sb ang, 15-20% silc clasts, mnrcalc arg grs, tr hem, mnrcalc ls clasts, assumed p to pos fair intgr por, sp dull yel flor, slow stmg wh yel flor cut.

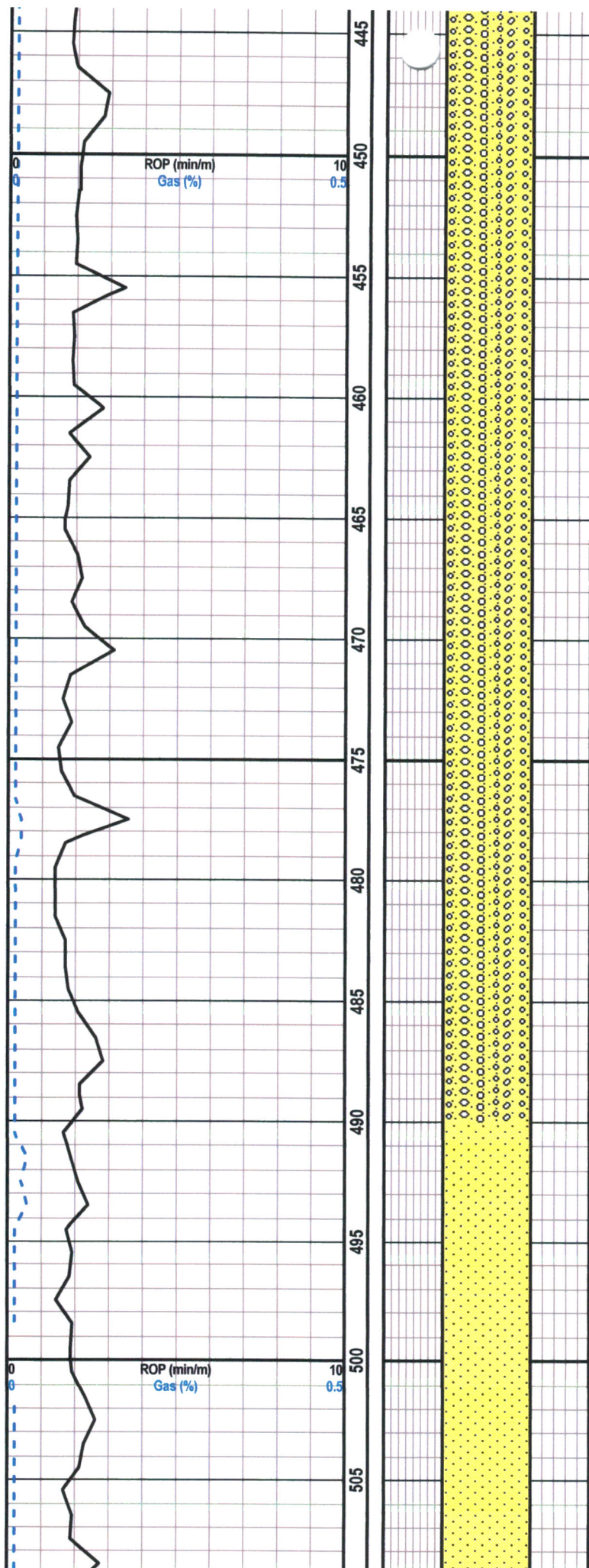
425-430 SS(100%): red brn, sb lithic, predy slty to med gr, occ c gr, abnt red brn cly, mnrcalc cmt, rd to sb ang, mnrcalc qtz ovgrth, 5-10% lithic clasts, mnrcalc sh, mnrcalc cht grs, assumed p to fair intgr por, tr yel flor, slow stmg wh yel flor cut.

430-435 SS CGLN(100%): red brn, lithic, 70% lse qtz grs, com vf to f gr, incrg med to c gr ss mtz, abnt red brn clay mtz / cmt, mnrcalc cmt, rd to sb ang, 30% silc and lesser arg clasts, tr hem, mnrcalc ls clasts, assumed p to pos fair intgr por, ns.

435-440 SS CGLN(100%): As above, red brn, v slty to f gr, occ med gr, abnt red brn cly mtz, calc cmt, 20% silc, ls and arg clasts, p intgr por, ns.

440-445 SS CGLN(100%): red brn, slty to incrg f gr, occ med gr, abnt red brn cly, mnrcalc cmt, rd to sb ang, mnrcalc qtz ovgrth, predy fri with tt firm sections, 65% ss, 35% red brn, brn, gy, gy gn silc clasts < 0.5 cm, mnrcalc ls clasts, mnrcalc sh grs, tr hem, assumed p intgr por, ns.





445-455 SS CGLN(100%): red brn, lithic, 75% lse qtz grs, v slty to f gr, occ med gr, abnt red brn cly, mnrcalc cmt, rd to sb ang, mnrcalz ovgrth, predy fri with tt firm sections, 25% red brn, brn, gy, gy gn silc clasts < 0.5 cm, mnrcalz clasts, mnrcalz sh grs, tr hem, assumed p to pos fair intgr por, ns.

455-465 SS CGLN(100%): red brn, 85% lse qtz grs, slty to med gr, mnrcalz c gr, abnt red brn clay, mnrcalc cmt, com rd to occ sb ang, mnrcalz sh, mnrcalz fld, 10-15% lithic clasts, tr ls clasts, mics ip, assumed p to pos fair intgr por, ns.

465-470 SS CGLN(100%): red brn, 80% lse qtz grs, slty to f gr, occ med gr, abnt red brn clay, mnrcalc cmt, fri to tt calc and mics sections, rd to occ sb ang, mnrcalz sh, mnrcalz fld, 10-15% red brn, gy gn and gy silc and lesser arg clasts, tr ls clasts, assumed p intgr por, ns.

470-475 SS CGLN(100%): red brn, 80% lse qtz grs, slty to f gr, occ med gr, tr c gr, abnt red brn clay, mnrcalc cmt, fri to firm sections, rd to occ sb ang, mnrcalz sh, mnrcalz fld, 10-15% red brn, gy gn and gy silc and lesser arg clasts, tr ls clasts, mics ip, assumed p intgr por, tr dull yel flr, rr slow strng yel flr cut.

475-480 SS CGLN(100%): red brn, 85% lse qtz grs, slty to incrg med gr, occ c gr, com red brn cly, mnrcalc cmt, fri, rd to lesser sb ang, mnrcalz gn sh, 5-10% silc clasts < 0.5 cm, mics ip, assumed p intgr por, ns.

480-485 SS CGLN(100%): red brn, gy gn, 50% lse vf to med gr, occ c gr qtz ss mtz, slty, com red brn clay mtz, mnrcalc cmt, fri, rd to sb ang, 50% qtz, qtz, dk cht, ls, and arg clasts 0.2-0.8 cm, assumed p intgr por, ns.

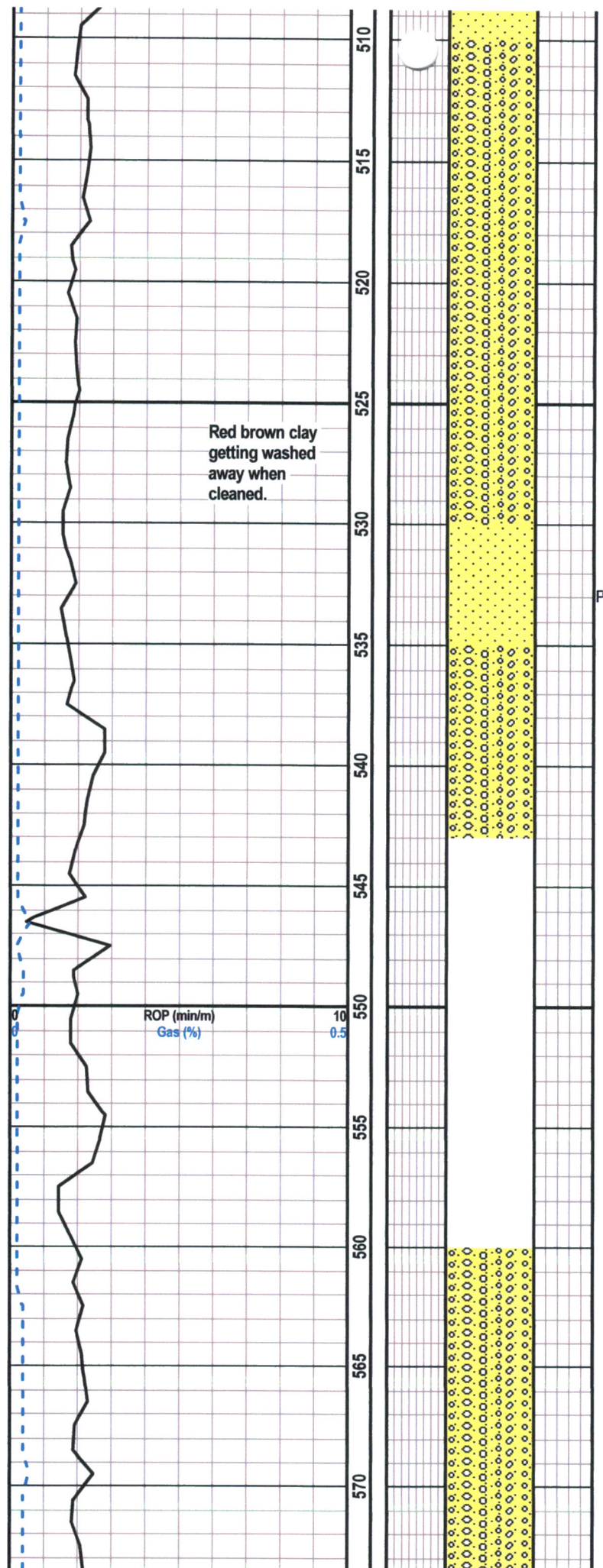
485-490 SS CGLN(100%): red brn, gy gn, 70% lse vf to med gr qtz ss mtz, slty, com red brn clay mtz, mnrcalc cmt, fri, rd to sb ang, 25% qtz, qtz, dk cht, ls, and arg clasts < 0.75 cm, assumed p intgr por, ns.

490-500 SS(100%): red brn, 85-90% lse qtz grs, predy slty to f gr, occ med to mnrcalz c gr, com red brn cly mtz, mnrcalc cmt, fri, 5% gy gn and red brn silc and arg frags, predy sb rd to sb ang, mnrcalz hem, assumed p to pos fair intgr por, ns.

500-505 SS(100%): red brn, 85-90% lse qtz grs, predy slty to med, mnrcalz c to tr v c gr, com red brn cly mtz, mnrcalc cmt, predy sb rd to sb ang, predy fri, mnrcalz firm sections, 10% gy gn and red brn silc and arg frags, mnrcalz hem, assumed p to pos fair intgr por, ns.

505-510 SS(100%): red brn, 80-85% lse qtz grs, predy slty to med, mnrcalz c gr, com red brn cly mtz, mnrcalc cmt, predy rd to sb ang, predy fri, 15% gy gn and red brn silc and arg frags, mnrcalz hem, assumed p to pos fair intgr por, ns.





510-515 SS CGLN(100%): red brn, lithic, vf to incrgly med gr, occ c gr, slty, com red brn cly, mnr calc cmt, rd to sb ang, mnr qtz ovgt, 20% clasts as above, mnr hem, p to pos fair intgr por, ns.

515-520 SS CGLN(100%): red brn, lithic, 70% lse qtz grs, vf to med gr, occ c gr, slty, com red brn cly, mnr calc cmt, fri to occ tt firm calc sections, rd to sb ang, mnr qtz ovgt, 20% silc and arg clasts, mnr hem, p to pos fair intgr por, ns.

520-530 SS CGLN(100%): red brn, lithic, 80% lse qtz grs, vf to med gr, occ c gr, slty, com red brn cly, mnr calc cmt, fri to occ tt and firm calc sections, rd to sb ang, mnr qtz ovgt, 15% silc and arg clasts, mnr hem, p to pos fair intgr por, ns.

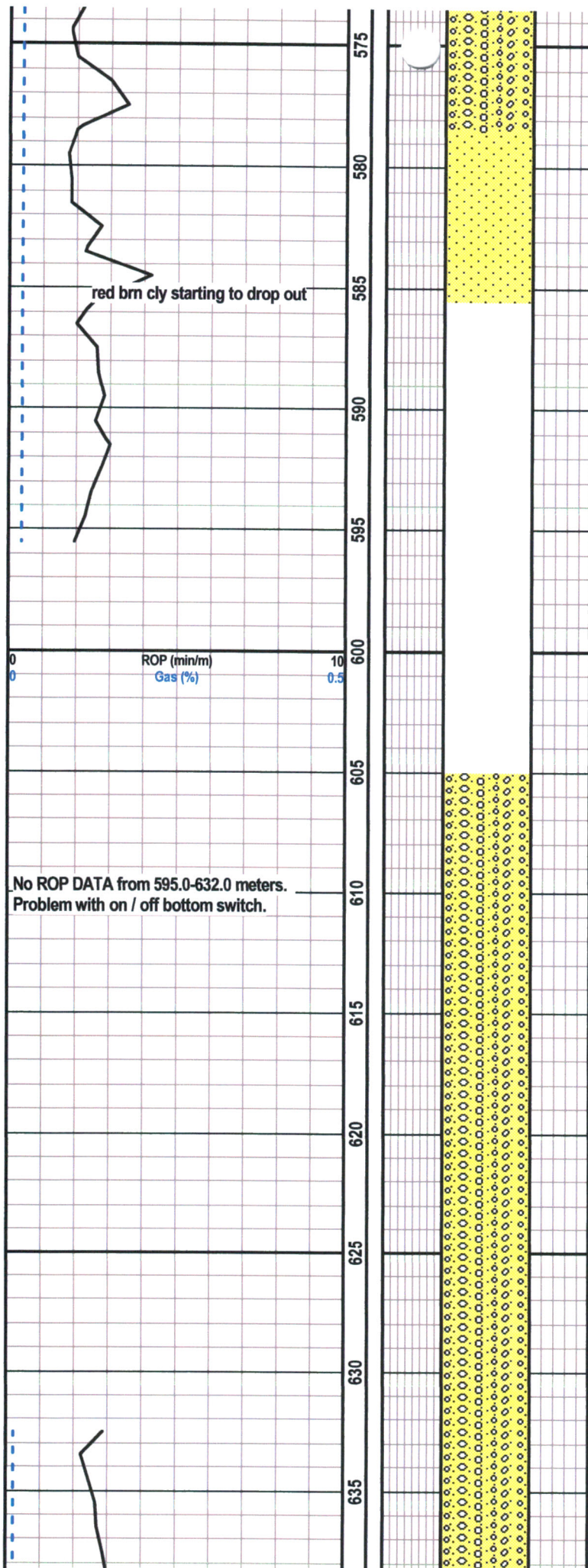
530-535 SS(100%): red brn, sb lithic, vf to med gr, slty, predy rd to sb ang, occ ang, com red brn clay, calc cmt, fri, 80-85% lse qtz grs, 5-10% red brn, gy and crm silc to ls clasts, occ sh grs, assumed p to pos fair intgr por, ns.

535-540 SS CGLN(100%): red brn, sb lithic, vf to med gr, mnr c gr, rd to occ ang, com red brn cla, calc cmt, fri, occ slty calc firm clay sections, occ red brn and gn sh, 15% clasts as above, assumed p intgr por, ns.

560-565 SS CGLN(100%): red brn, lithic, slty to occ med gr, com red brn cly, calc cmt, predy rd to sb ang, 20% red brn, brn and gy silc (qtzt, qtz, cht) to arg clasts < 0.5 cm, 80% qtz grs, occ sh grs, mnr hem, assumed p to occ fair intgr por, ns.

570-575 SS CGLN(100%): red brn, lithic, slty to occ med gr, com red brn cly, calc cmt, predy fri with mnr firm sections, predy rd to sb ang, 20% red brn, brn and gy silc (qtzt, qtz, cht) to arg clasts < 0.5 cm, mnr ls fraas, 70% atz ars, occ sh ars, mnr hem, assumed p to occ fair intgr





por, ns.

580-585 SS(100%): red brn, lithic, slty to occ med gr, com red brn cly, calc cmt, predy fri with mnf firm sections, predy rd to sb ang, 30% firm red brn cly to mics cly / sh, 10-15% red brn, brn and gy silc clasts < 0.5 cm, mnf ls frags, 60% qtz grs, occ sh grs, mnf hem, assumed p to occ fair intgr por, ns.

605-610 CGLN(100%): lt red brn, gy gn, 40% lse qtz grs, vf to med gr, slty, occ red brn clay, mnf calc cmt, fri, rd to lesser ang, mnf sh, pos fld, 55% vcol silc clasts, arg clasts, and com ls clasts, assumed p to pos fair intgr por, ns.

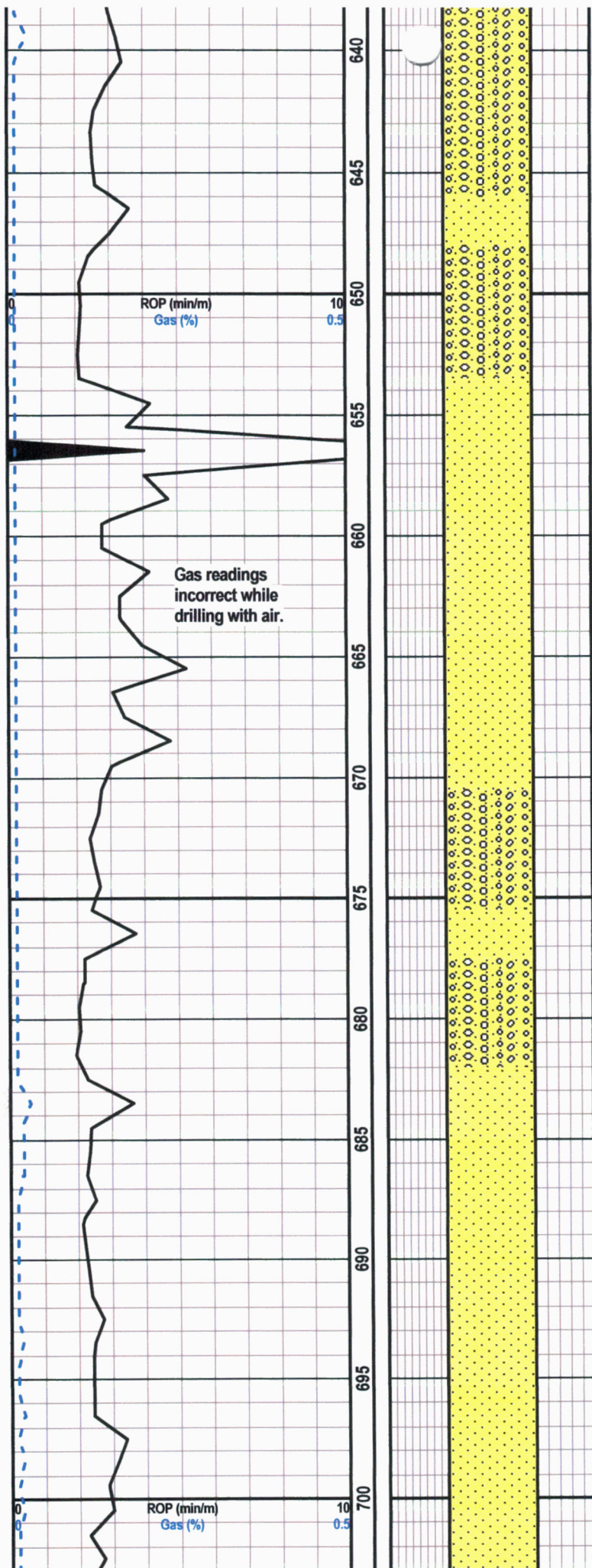
610-615 SS CGLN(100%): lt red brn, lithic, 75% lse qtz grs, predy v slty to f gr, mnf med gr, occ red brn cly, mnf calc cmt, rd to occ ang, occ gy to gn sh, mnf fld, mnf hem, fri, 20% silc, arg and com ls clasts, assumed p intgr por, ns.

615-620 SS CGLN(100%): lt red brn to lesser gn gy, lithic, 70% lse qtz, slty to med gr, mnf c gr, occ red brn clay, mnf calc cmt, fri, occ sh, mnf fld, mnf hem, 25-30% crm ls, vcol silc and lesser arg clasts, assumed p to pos fair intgr por, ns.

620-625 SS CGLN(100%): lt red brn to gn gy, lithic, 55% lse qtz grs, vf to mnf c gr, slty, mnf calc cmt, rd to sb ang, mnf arg and clay rich sections, 40% vcol qtz, qtz, ls, and sh clasts 0.2-1.0 cm, assumed p to pos fair intgr por, ns.

630-635 SS CGLN(100%): lt red brn, 75% sd, 25% clasts 0.2-0.5 cm, predy slty to f gr, occ med gr, rd to lesser ang, mnf red brn clay, mnf calc cmt, predy red brn to gy gn silc to lesser arg clasts, mnf ls clasts, assumed p intgr por, ns.





640-645 SS CGLN(100%): lt red brn, gy gn, 70% vf to f gr, com med gr ss, occ clay, mnr calc cmt, rd to occ ang, occ sh, 30% red brn and gy gn qtzt to silc clasts, qtz clasts, occ ls clasts, assumed p to pos fair intgr por, ns.

650-655 SS(100%): red brn, lithic, predy slty to f gr, mnr med gr, rd to lesser ang, com red brn clay, mnr calc cmt, predy v fri, occ mod ind, occ arg grs, mnr mics, occ clasts as above, assumed p to pos fair intgr por, ns.

660-665 SS(100%): red brn, lithic, predy slty to f gr, occ med to mnr c gr, rd to lesser ang, mnr qtz ovgrth, com red brn clay, mnr calc cmt, predy fri, 25% dk gy to red brn silc clasts < 0.75 cm, occ ls clasts, pos CGLN, occ arg grs, mnr mics, assumed p to pos fair intgr por, ns.

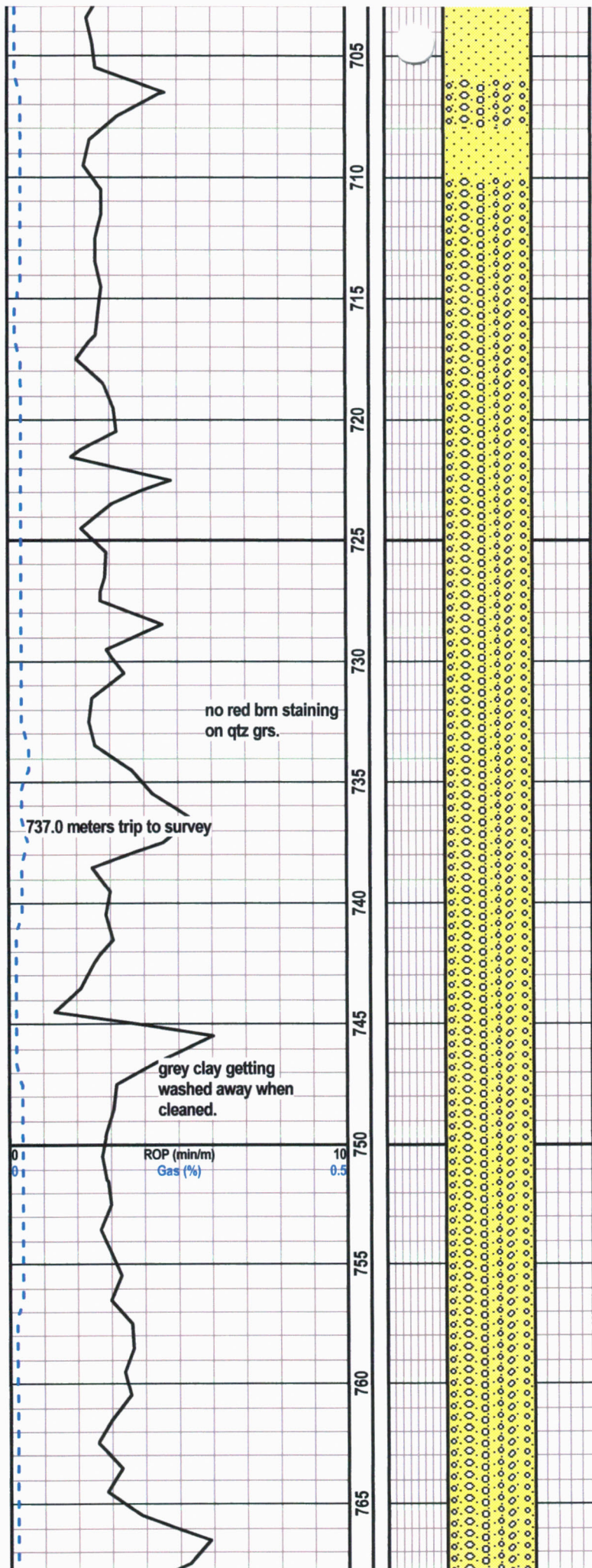
670-675 SS CGLN(100%): red brn, sb lithic, 80% lse qtz grs, predy slty to occ c gr, rd to sb ang, occ red brn cly, mnr calc cmt, occ red brn and gn gy sh, 20% red brn and gy gn silc and arg clasts, tr ls clasts, mnr hem, mnr mic, assumed p to pos fair i ntgr por, ns.

680-685 SS(100%): red brn, lithic, predy slty to f gr, occ med gr, abnt red brn cly, fri to com red brn cly rich calc slty w ind sections, occ calc cmt, predy rd to sb ang, mics ip, mnr hem, assumed tt to p intgr por, tr dull yel flr, slow stmg wh yel flr cut.

690-695 SS(100%): red brn, lithic, slty to occ med gr, rd to occ ang, mnr calc cmt, com red brn clay mtx, com red brn and gy gn sh grs, 5-10% silc and lithic clasts < 0.4 cm, tr hem, assumed p to pos fair intgr por, tr wh yel flr, slow to mod stmg wh yel flr cut.

700-705 SS(100%): lt red brn, lithic, incrgly slty to f gr, mnr med gr, com red brn clay mtx, occ calc cmt, com red brn and gn sh, 10% silc and arg clasts, nos mnr fld, tr hem, tr mics mat, assumed n to nos fair





intgr por, rr yel flor, shown as above.

710-715 SS CGLN (100%): lt red brn, lithic, vf to med gr, occ c gr, slty, sb rd to occ ang, occ rd, occ red brn clay, calc cmt, occ sh grs, pos mnf fld, 30% vcol qtz, qtz and silc clasts, arg clasts, occ ls clasts, assumed p to incrgly fair intgr por, ns.

720-725 SS CGLN (100%): lt red brn, lithic, slty to med gr, occ c gr, rd to occ ang, occ red brn to gy brn clay, calc cmt, occ sh grs, pos mnf fld, 35% vcol qtz, qtz and silc clasts, arg clasts, incrg ls clasts, assumed p to pos fair intgr por, tr wh yel flor, mod stmg wh yel flor cut.

730-735 SS CGLN(100%): lt gy crm, lithic, predy v slty to f gr, occ med to mnf c gr, com gy brn clay, rd to sb ang, occ ang, calc cmt, com dk gy to gn sh, pos mnf fld, 15% clasts as above, assumed p intgr por, tr to tr sp wh yel flor, mod stmg wh yel flor cut.

735-740 CGLN(100%): gy gn, red brn, 30% rd to sb ang vf to v c gr ss mtb, occ gy brn clay, calc cmt, occ gn and gy sh, mnf fld, 70% red brn, dk gy, gy, gy gn and brn silc clasts 0.2-0.5 cm, assumed p to pos fair intgr por, ns.

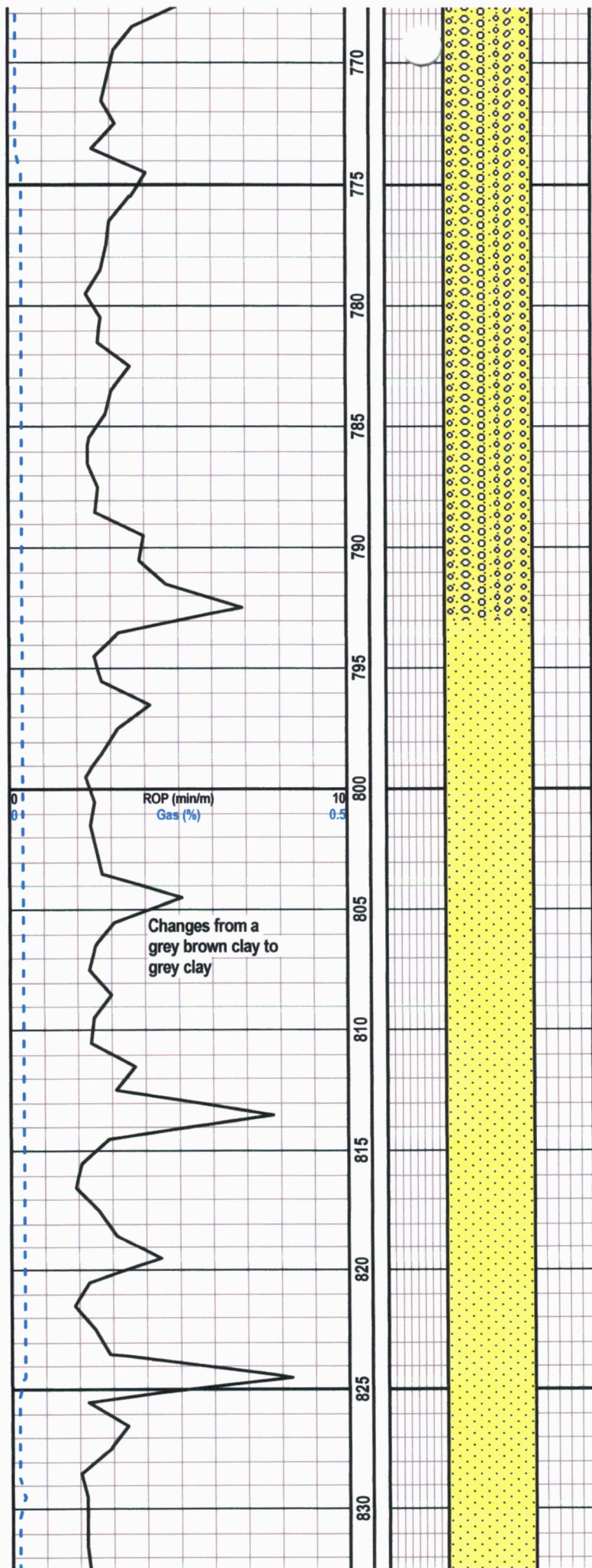
740-745 CGLN(100%): gy gn to lt red brn, lithic, 50% rd to sb ang, vf to c gr, slty lse qtz ss mtb, pos com gy brn clay, calc cmt, occ sh, occ fld, tr hem, 50% dk gy, gy, and red brn silc clasts, occ ls clasts, occ gn clay frags, assumed p to pos fair intgr por, pos frac por, tr dull yel flor, mod stmg wh yel flor cut.

745-750 CGLN(100%): gy gn to lt red brn, lithic, 30% rd to sb ang, vf to c gr ss mtb, pos com gy brn clay, calc cmt, fri, occ sh, occ fld, tr hem, 70% clasts as above predy < 0.3 cm, occ ls clasts, 5-10% gn clay frags, assumed p to pos fair intgr por, pos frac por, tr dull yel flor, mod stmg wh yel flor cut.

750-755 CGLN(100%): gy gn to lt red brn, lithic, 65% rd to sb ang, vf to c gr ss mtb, pos com gy brn clay, calc cmt, fri, occ sh, occ fld, 35% silc clasts predy < 0.5 cm, occ ls clasts, 10-15% gn clay, assumed p to pos fair intgr por, pos frac por, ns.

755-765 CGLN(100%): gy gn to lt red brn, lithic, 25% rd to sb ang, vf to c gr ss mtb, occ slt, pos gy brn clay, calc cmt, fri to mnf tt silc sections, occ sh, 75% qtz and silc clasts predy < 0.5 cm, incrg ls clasts, 15% gn clay / sh, assumed p to fair intgr por, pos frac por, ns.





770-775 CGLN(100%): gy gn to lt red brn, lithic, 50% rd to sb ang, predy slty to med gr, occ c gr ss mtx, com gy brn clay, calc cmt, fri, occ sh, 50% vcol qtzt and silc clasts predy < 0.5 cm, occ ls clasts, 15% gn clyst, assumed p to fair intgr por, pos frac por, ns.

780-785 CGLN(100%): gy gn to lt red brn, lithic, 70% lse rd to sb ang, predy vf to com med and lesser c gr ss mtx, slty, com gy brn clay, calc cmt, fri, occ sh, 30% vcol silc to sh clasts predy < 0.4 cm, mnr ls clasts, 15% gn and red brn clyst, tr hem, assumed p to fair intgr por, pos frac por, ns.

790-795 SS(100%): lt gy gn, lithic, clr to wh slty to f qtz grs, com gy clay, calc cmt, fri to occ tt firm sections, rd to occ ang, 35% red brn and gn slty sh, occ mics, tt to pos fair intgr por, ns.

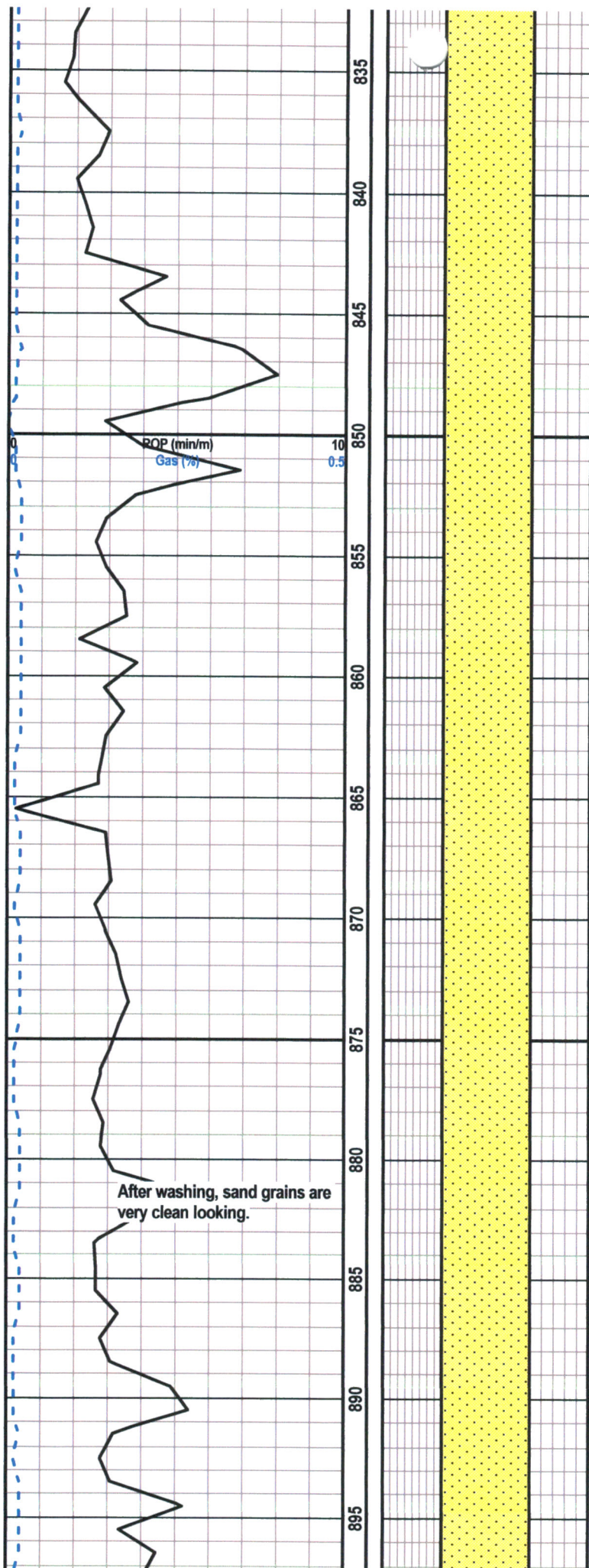
800-805 SS(100%): lt gy gn, lithic, clr to wh slty to f qtz grs, com gy clay, calc cmt, fri to occ tt firm sections, rd to occ ang, 35% red brn and gn slty sh, occ mics, tt to pos fair intgr por, ns.

810-815 SS(100%): lt gy gn, lithic, clr to wh slty to sl incrg med qtz grs, com gy clay, calc cmt, fri to occ tt firm sections, rd to occ ang, 30% red brn and gn slty sh, occ mics, tt to pos fair intgr por, ns.

820-825 SS(100%): lt gy, sb lithic to lithic, vf to med gr, com slt, com gy clay mtx, calc cmt, rd to occ ang, com gy to gy gn sh, mnr mics mat, mnr fld, assumed p to pos fair intgr por, ns.

830-835 SS(100%): lt gy gn, lithic, predy clr to wh vf to f gr, occ med qtz grs, slty, com gy clay mtx, calc, rd to ang, com gn to dk gn clay / ch, occ fld, mnr mics, ch, 10% silc to ang clasts, triger clasts, tr...





sh, occ rd, min calc sh, 10% sh to arg clasts, a Jasper clasts, a is clasts, assumed p to pos fair intgr por, tr yel flor, mod stmg yel flor cut.

840-845 SS(80%): lt gy, sb lithic, predy slty to vf gr, occ f gr, grdg to calc arg sltst, ang to sb rd, occ calc cmt, fri to incrgly firm, com gy clay, mics, occ to com sh grs, tt to p intgr por, ns. SH(20%): gy, mas, firm, calc to sl dolc, pos a v arg ls, mics ip, blkly, slty ip.

850-855 SS(75%): lt gy, sb lithic, predy slty to f gr, grdg to arg calc sltst, com lt gy clay, ang to sb rd, occ calc cmt, fri to occ firm calc sections, mics, occ to com sh grs, tt to p intgr por, ns. SH(25%): gy, mas, firm, calc to sl dolc, pos a v arg ls, mics ip, blkly, slty ip.

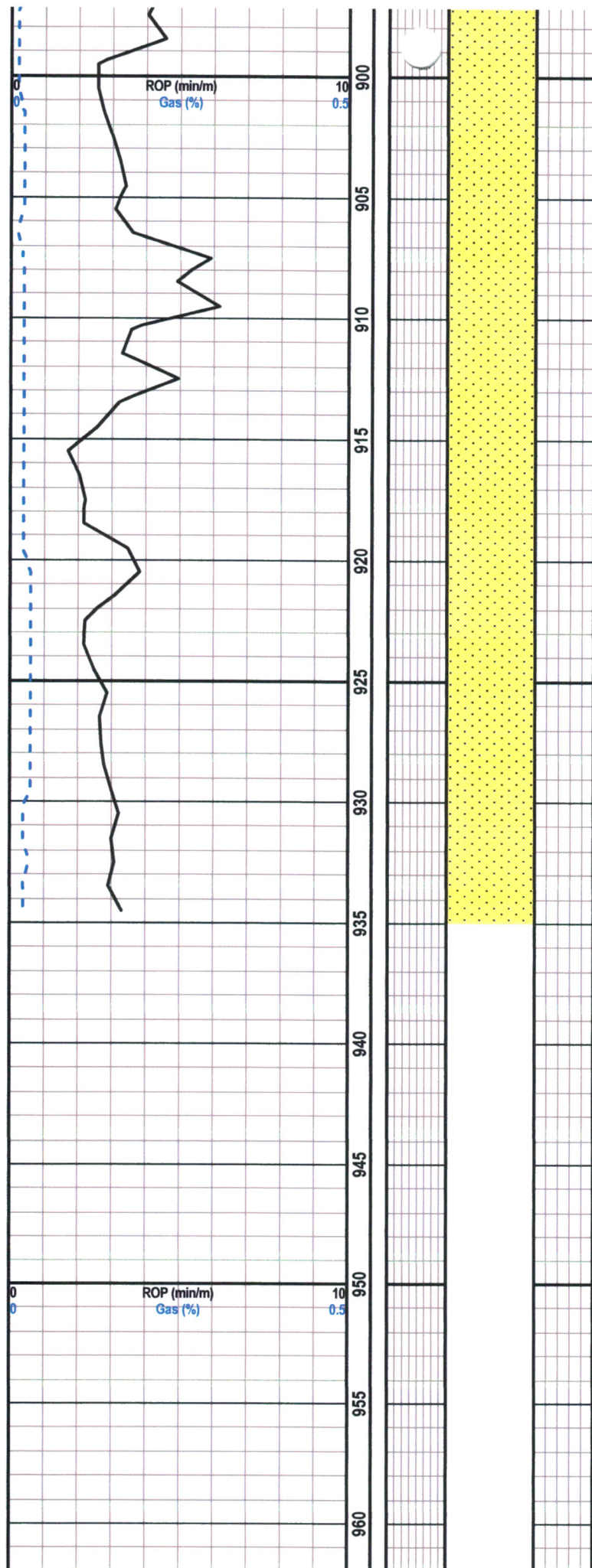
860-865 SS(85%): lt gy, sb lithic, predy slty to v f gr, mnr f gr, grdg to arg calc sltst, com lt gy clay, ang to sb rd, occ calc cmt, fri to incrgly firm calc sections, mics, occ to com sh grs, tt to pos fair intgr por, ns. SH(15%): gy, mas, firm, calc to sl dolc, pos a v arg ls, mics ip, blkly, slty ip.

870-875 SS(80%): lt gy, sb lithic, predy slty to occ med gr, grdg to arg calc sltst ip, com lt gy clay, ang to occ rd, calc cmt, fri to occ firm calc sections, mnr mics grs, com sh grs, tt to pos fair intgr por, tr to rr dull yel flor, slow stmg wh yel flor cut. SH(20%): gy, mas, firm, calc to sl dolc, pos arg ls, mics ip, blkly.

880-885 SS(90%): lt gy, sb lithic to pos qtzs, predy clr to wh slty to f gr, occ med gr, tr c qtz grs, com lt gy calc clay, ang to occ rd, calc cmt, fri to occ firm calc sections, mnr mics grs, mnr sh grs, tr PYR, tt to pos fair intgr por, sp dull yel flor, no flor cut. SH(10%): gy, mas, firm, calc to sl dolc, pos arg ls, mics ip, blkly.

890-895 SS(100%): wh to lt gy, sb lithic to qtzs, v slty to com f gr, occ med gr, pos lt gy clay, incrg rd to sb ang, clr to wh cln qtz grs, v fri, mnr sh, tr PYR, p to incrg fair intgr por, tr to tr sp yel flor, mod stmg wh yel flor cut.





900-905 SS(85%): SS(80%): lt wh gy, sb lithic, predy wh to clr lse qtz grs, pos com gy calc clay mtz, slty to med gr, calc cmt, fri, rd to sb ang, occ ang, tr PYR, mnr sh grs, mnr pink and org trnsi qtz grs, cln looking, assumed p to fair intgr por, tr sp yel flor, no flor cut. SH(20%): gy, mcxln, firm, blkly, wkly calc ip, mas.

915-920 SS(80%): lt wh gy, sb lithic, predy wh to clr lse qtz grs, pos com gy calc clay mtz, slty to med gr, calc cmt, fri, rd to sb ang, occ ang, tr PYR, mnr sh grs, mnr pink and org trnsi qtz grs, cln looking, assumed p to fair intgr por, tr sp yel flor, no flor cut. SH(20%): gy, mcxln, firm, blkly, wkly calc ip, mas.

925-930 SS(100%): lt wh gy, sb lithic, vf to f gr, occ l med gr, tr c gr, abnt sit, pos calc clay mtz, calc cmt, fri, predy lse qtz grs, predy rd to sb ang, occ gy to dk gy sh, mics ip, tr PYR, assumed p to pos fair intgr por, tr to tr sp yel flor, no flor cut.

930-935.5 SS / SLTST(100%): lt gy gn, slty to occ f gr, commonly grdg to sltst, mics, com calc cmt, rd to ang, w ind, firm, arg, tt, ns.