

Core No.19

Well: Yolla -1

Depth: 2845.5m.(9335.5')

Rock Type: Sandstone

Pull: 1620 lbs

Recovered: 3.0cm (1.18")

Condition: Solid to broken

Description:

Sandstone: Macro v/fn "salt and pepper" lt to med gry, variable tan and blk; micro gry-wht to lt gry, variably tan and brnsh-blk to blk as, respectively, highly kaolinitic (?) ss beds (0.4-1.2mm), tr to gd tr w/rare v/clayey ss beds (0.4-1mm) w/tr brnsh-blk microcarbonaceous, thin (0.2-0.4mm), and abund (15%) dissem blk to brnsh-blk mafics (?), the "cleaner" ss matrix as v/lt gry-wht, tr calc, highly hydratable (hygrotergid) bentonitic (?) and kaolinitic (?); vis por 15-25% w/v/fn to fn, mod poor sort, ang to variably minor sub-ang to sharp, frsted to clr w/gd tr vitreous qtz and feldsp; tr micromica (musc).

Core No.20

Well: Yolla -1

Depth: 2841.5m.(9322.4')

Rock Type: Sandstone

Pull: 876 lbs

Recovered: 2.2cm (0.87")

Condition: Broken to Shattered

Description:

Sandstone: Macro thin (1mm) bedded med gry and lt brn; micro med gry ss and gry-tan to lt gry-brn ss as microbedded (0.3-1.2mm) w/rare blk, microcarbonaceous beds (0.3mm); v/fn and mod well sort, ang, frsted to minor clr dom qtz and minor feldsp w/gd tr dissem blk microcarb and micromica and tr lt to med brn linear to lense-shaped, blended clayey ss inclusions; mod hd to mod soft and easily fri to fri w/mod pres; matrix lt to med gry, non-calc, highly hydratable (as hygrotergid), bentonitic (?) and kaolinitic (?); vis por 15-25%.

Core No.21

Well: Yolla -1

Depth: 2828.5m (9279.7')

Rock Type: Sandstone

Pull: 768 lbs

Recovered: 3.0cm (1.18")

Condition: Broken to shattered w/one solid segment (1.7cm or 0.67")

Description:

Sandstone: Macro variably grysh-tan w/thin (0.2-1mm) med brn bands (beds); micro dom gry-wht w/minor gry-tan mottled w/variably lt brn from clystn beds (0.2-1mm thick as 10% of specimen); v/fn, mod well sort ang, frsted to clr dom qtz w/minor feldsp in a gry-wht to gry-tan w/abund lt to med tan (residual oil stained ?), mod calcitic and mod hydratable (w/hydroclastic disintegration of ss frags), bentonitic (?) and kaolinitic (?) matrix (20-40%); vis por 15-25%, mod soft and fri w/extr ease; clystn as the thin, non-calc, gd tr to abund blk to brnsh-blk microcarbonaceous, variably v/fn to cse silty and v/fn sdy interbeds; slight tr to tr dissem micromica (musc) in ss and clystn.