

RSG Sample No.	13462	13463	2109	2110	2111
Well	16/28-sb01	16/28-sb01	83/20-sb01	83/20-sb01	83/20-sb01
Sample Type	Cem. sand	Cem. Sand	Cem. sand	Cem. sand	Cem. sand
Top Depth (m d.d.)	147.06	147.20	102.90	107.97	112.97
Stratigraphy	Cretaceous	Cretaceous	Greensand	Greensand	Greensand
FRAMEWORK GRAINS					
Monocrystalline Quartz (Qm)	13.33	10.33	7.33	20.33	23.33
Polycry. Quartz (equicrystalline)	5.33	5.33	0.33	1.67	1.00
Polycrystalline Quartz (vein)	0.33	2.33	0.33	0.00	0.67
Polycrystalline Quartz (metamorphic)	1.00	0.33	0.00	1.00	1.33
Polycrystalline Quartz (chert)	0.00	0.00	0.67	0.67	1.00
Total Polycrystalline Quartz (Qp)	6.67	8.00	1.33	3.33	4.00
Total Quartz (Q)	20.00	18.33	8.67	23.67	27.33
K-Feldspar	8.33	8.67	1.33	3.67	4.00
Plagioclase	0.33	1.00	0.33	0.67	0.33
Total Feldspar grains (F)	8.67	9.67	1.67	4.33	4.33
Lithic Plutonic Fragments (Lp)	2.33	4.67	1.33	1.00	0.33
Lithic Volcanic Fragments (Lv)	0.00	0.00	0.00	0.33	0.00
Lithic Sedimentary Fragments (Ls)	2.00	1.33	0.00	0.00	0.00
Total Lithic Fragments (L)	4.33	6.00	1.33	1.33	0.33
Heavy Minerals	0.00	0.00	0.00	0.00	0.00
DUCTILE COMPONENTS					
Mica - (muscovite)	0.00	0.00	0.00	1.00	1.00
Mica - (biotite)	0.00	0.00	0.00	0.00	0.00
Mica - (chlorite)	0.00	0.00	0.00	0.00	0.00
Detrital Clay	0.00	0.67	0.33	0.00	0.00
Glauconite	0.00	0.00	6.67	22.33	19.00
Carbonaceous material	0.00	0.00	0.00	0.00	0.00
Total Ductile Grains	0.00	0.67	7.00	23.33	20.00
CARBONATE COMPONENTS					
Micrite Matrix	0.00	0.00	31.33	33.00	10.00
Bioclasts	21.00	21.33	5.33	1.33	1.33
Carbonate intraclasts	2.00	3.00	0.00	0.00	0.00
Total carbonate allochems	23.00	24.33	5.33	1.33	1.33
FERRUGINOUS MATERIAL					
Ferruginous grains (haematite)	1.67	2.33	35.33	1.67	4.00
Ferruginous grains (limonite)	0.67	0.67	1.33	0.00	0.33
Ferruginous grains (chamosite)	0.00	0.00	1.67	1.33	4.33
Ferruginous grains (goethite)	0.00	0.00	1.00	0.00	0.67
Total Ferruginous grains	2.33	3.00	39.33	3.00	9.33
AUTHIGENIC PHASES					
Sparry/micritic calcite cement	28.67	24.00	3.33	7.00	23.67
Replacive calcite	7.67	1.67	0.00	1.67	0.33
Pyrite	0.00	0.00	0.00	0.00	0.00
Quartz cement	0.00	0.00	0.00	0.00	0.00
Authigenic clay	0.00	0.00	1.33	0.00	1.00
POROSITY					
Primary interparticle porosity	5.33	12.00	0.00	0.00	0.00
Secondary intraparticle porosity	0.00	0.33	0.67	1.33	2.33
Secondary oversized porosity	0.00	0.00	0.00	0.00	0.00
Fracture porosity	0.00	0.00	0.00	0.00	0.00
Total Porosity	5.33	12.33	0.67	1.33	2.33
TOTAL	100.00	100.00	100.00	100.0	100.00

Table 2: Modal analysis listing for point-counted samples from the shallow boreholes (Page 1 of 5).