

RSG Sample No.	13427	13428	13429	13430	2129
Well	83/24-sb02	83/24-sb02	83/24-sb02	83/24-sb02	83/24-sb02
Sample Type	Cem. rock	Cem. rock	Cem. rock	Cem. rock	Plug 2035a
Top Depth (m d.d.)	38.15	38.86	40.00	40.54	44.74
Stratigraphy	Brownsand	Brownsand	Brownsand	Brownsand	Brownsand
FRAMEWORK GRAINS					
Monocrystalline Quartz (Qm)	9.00	8.00	8.67	22.67	28.00
Polycry. Quartz (equicrystalline)	2.67	4.00	6.67	10.00	9.00
Polycrystalline Quartz (vein)	0.67	0.67	3.00	2.33	0.00
Polycrystalline Quartz (metamorphic)	0.67	0.00	0.33	1.67	0.00
Polycrystalline Quartz (chert)	0.00	0.67	0.33	0.00	0.33
Total Polycrystalline Quartz (Qp)	4.00	5.33	10.33	14.00	9.33
Total Quartz (Q)	13.00	13.33	19.00	36.67	37.33
K-Feldspar	3.33	2.00	3.67	5.00	6.33
Plagioclase	0.00	0.00	0.00	0.67	0.33
Total Feldspar grains (F)	3.33	2.00	3.67	5.67	6.67
Lithic Plutonic Fragments (Lp)	8.33	8.33	5.67	8.00	12.67
Lithic Volcanic Fragments (Lv)	0.00	0.00	0.00	0.00	0.00
Lithic Sedimentary Fragments (Ls)	3.00	3.33	3.67	2.33	2.67
Total Lithic Fragments (L)	11.33	11.67	9.33	10.33	15.33
Heavy Minerals	0.00	0.00	0.33	0.67	0.33
DUCTILE COMPONENTS					
Mica - (muscovite)	0.33	0.33	0.33	0.33	0.33
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	0.00	0.00	0.00	0.00
Glauconite	0.00	0.00	0.00	0.00	0.00
Carbonaceous material	0.00	0.00	0.00	0.00	0.00
Total Ductile Grains	0.33	0.33	0.33	0.33	0.33
CARBONATE COMPONENTS					
Micrite Matrix	24.33	33.67	23.33	25.00	21.67
Bioclasts	4.00	2.67	5.00	2.00	2.67
Carbonate intraclasts	0.33	1.33	0.00	0.00	0.00
Total carbonate allochems	4.33	4.00	5.00	2.00	2.67
FERRUGINOUS MATERIAL					
Ferruginous grains (haematite)	28.33	20.33	21.33	3.00	1.67
Ferruginous grains (limonite)	0.33	0.00	0.00	0.33	0.00
Ferruginous grains (chamosite)	0.00	0.00	0.00	0.00	0.00
Ferruginous grains (goethite)	0.67	1.33	1.00	0.33	0.00
Total Ferruginous grains	29.33	21.67	22.33	3.67	1.67
AUTHIGENIC PHASES					
Sparry/micritic calcite cement	11.67	11.33	13.33	12.00	10.67
Replacive calcite	0.33	0.33	0.00	0.33	2.00
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	1.00	0.33	1.00	1.00	0.00
POROSITY					
Primary interparticle porosity	0.00	0.00	1.00	2.00	0.00
Secondary intraparticle porosity	1.00	1.33	1.33	0.33	1.33
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	1.00	1.33	2.33	2.33	1.33
TOTAL	100.00	100.00	100.00	100.00	100.00

Table 3: Modal analysis listing for point-counted samples from the shallow boreholes (Page 4 of 5).