

RSG Sample No.	2114	2115	2116	2117	2118
Well	83/20-sb01	83/20-sb01	83/20-sb01	83/20-sb01	83/20-sb01
Sample Type	Cem. sand	Plug 2034b	Cem. sand	Cem. sand	Cem. sand
Top Depth (m d.d.)	131.20	131.30	132.70	137.35	146.75
Stratigraphy	Brownsand	Brownsand	Brownsand	Brownsand	Brownsand
FRAMEWORK GRAINS					
Monocrystalline Quartz (Qm)	18.00	7.67	14.67	19.67	25.00
Polycry. Quartz (equicrystalline)	1.33	1.33	3.33	8.67	20.00
Polycrystalline Quartz (vein)	1.33	0.00	1.67	0.33	2.00
Polycrystalline Quartz (metamorphic)	0.00	0.00	0.33	1.67	1.00
Polycrystalline Quartz (chert)	0.00	0.67	0.00	0.00	0.33
Total Polycrystalline Quartz (Qp)	2.67	2.00	5.33	10.67	23.33
Total Quartz (Q)	20.67	9.67	20.00	30.33	48.33
K-Feldspar	2.33	0.67	3.67	8.00	7.00
Plagioclase	0.67	0.00	0.33	0.33	2.00
Total Feldspar grains (F)	3.00	0.67	4.00	8.33	9.00
Lithic Plutonic Fragments (Lp)	0.67	0.33	1.00	8.33	4.33
Lithic Volcanic Fragments (Lv)	0.00	0.00	0.00	0.00	0.00
Lithic Sedimentary Fragments (Ls)	0.00	0.00	1.00	3.67	2.33
Total Lithic Fragments (L)	0.67	0.33	2.00	12.00	6.67
Heavy Minerals	0.00	0.00	0.00	0.00	0.00
DUCTILE COMPONENTS					
Mica - (muscovite)	4.00	0.33	0.00	0.33	1.67
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	0.67	0.00	0.00	0.00	0.33
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	4.67	0.33	0.00	0.33	2.00
CARBONATE COMPONENTS					
Micrite Matrix	42.67	34.67	18.67	10.67	0.67
Bioclasts	0.00	6.33	7.00	3.00	2.33
Carbonate intraclasts	0.00	0.33	0.00	0.00	0.00
Total carbonate allochems	0.00	6.67	7.00	3.00	2.33
FERRUGINOUS MATERIAL					
Ferruginous grains (haematite)	22.33	9.33	6.67	4.67	2.00
Ferruginous grains (limonite)	1.00	0.00	1.00	0.67	0.00
Ferruginous grains (chamosite)	1.67	0.00	0.00	0.00	0.00
Ferruginous grains (goethite)	0.67	0.00	0.00	0.00	0.00
Total Ferruginous grains	25.67	9.33	7.67	5.33	2.00
AUTHIGENIC PHASES					
Sparry/micritic calcite cement	1.67	35.67	37.00	21.33	27.00
Replacive calcite	0.00	0.00	0.00	0.00	0.00
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	0.00	0.33	0.00	0.00
POROSITY					
Primary interparticle porosity	0.00	0.00	3.00	0.00	1.67
Secondary intraparticle porosity	0.00	2.67	0.33	0.33	0.33
Secondary oversized porosity	0.00	0.00	0.00	8.33	0.00
Fracture porosity	0.00	0.00	0.00	0.00	0.00
Total Porosity	0.00	2.67	3.33	8.67	2.00
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 2 of 5).