

PRELIMINARY VISUAL ESTIMATES OF LITHOLOGY, TEXTURE AND MINERALOGY FOR KING #1

Depth (m)	1398.60	1399.40	1400.05	1404.40	1405.90	1424.38
Core plug	2	5	6	8	9A	12
Lithology	siltstone/ quartzarenite	siltstone	muddy siltstone	quartz- arenite	muddy siltstone	quartz arenite
Grain size	c. silt/ v. fine	c. silt	m.silt	v. fine	m. silt	v.fine
Sorting	moderate	moderate	poor	mod-well	v. poor	moderate
Structures	laminæ bioturb.	laminæ X-bedding	laminæ	laminæ X-bedding ?faecal pellets	burrow	stringers laminæ
Framework grains						
Quartz	52	51	33	55	67	56
Feldspar	2	tr	tr	tr	tr	tr
Lithics	1	-	-	-	-	tr
Mica	4	2	10	tr	3	2
Glaucony	-	?	-	tr	tr	?
Accessory	tr	1	tr	tr	tr	tr
Matrix						
Clay	6	8 k,i,c	25	4	15	5
Opaque material	4	3	5	4	4	6
Authigenic minerals & cements						
Quartz	1	1	-	-	tr	-
Carbonate	7	10	6	25	3	4
Pyrite	tr	tr	tr	5	2	tr
Kaolin	1	-	-	tr	tr	tr
Iron oxide	-	-	-	-	2	1
Chlorite	-	-	-	-	-	-
Porosity						
Intergranular	15	20	8	tr	3	20
Dissolution	1	tr	10	6	-	5
Fractures	5	3	2	-	-	-

c=coarse, m=medium, v=very, mod=moderate, bioturb=bioturbated, tr=trace
 K=kaolinite, i=illite, c=clinochlore (chlorite) based on XRD data