



XLBASE CORE LOG
 GFE RESOURCES LTD - WALLABY CREEK No.2
 SCALE 1:500



RATE OF PENETRATION		DEPTH (m)	Lithology	Grain Size	DESCRIPTION
m/hr					
25	0	27			CORE No.1 Cut 1527 - 1529m Rec 1527 - 1528.12m (56%) 1527 - 1528.12m 100% Massive SANDSTONE (WAARRE A) SANDSTONE: light brown, very fine to medium grained, dominantly fine to medium grained, subangular, moderately to well sorted, moderate silica and trace calcareous cements, abundant greenish grey lithics, abundant altered feldspars grading to light brown argillaceous matrix, trace brown and rare red lithics, trace coarse brown mica flakes, moderately hard to hard, nil to trace intergranular porosity, no oil fluorescence 1528.12 - 1529m No recovery.
25	0	1528			
25	0	1529			
25	0	1530			
25	0	1531			
25	0	1532			
25	0	1533			
25	0	1534			
25	0	1535			
25	0	1536			
25	0	1537			CORE - 2 Cut 1529 - 1547.4m Recovered 1529 - 1547.4m (100%) 1529.0 - 1532.2m (Waarre A) Massive SANDSTONE with wavy 20 - 90 degree cross bedding or stress distorted bedding SANDSTONE: very light brown, very fine to coarse, dominantly medium, subangular, moderately sorted, moderate silica cement, nil to occasionally moderate calcareous cement, common to abundant white to light brown argillaceous matrix, abundant partially altered feldspar grains, abundant grey green lithics, common brown lithics, trace black coal detritus, moderately hard, no visual porosity, no oil fluorescence 1532.2 - 1545.3 (EUMERALLA) Massive structureless SANDSTONE SANDSTONE: light grey, very fine to coarse, dominantly medium, subangular, moderately sorted, moderate silica cement, nil to occasionally strong calcareous cement, common off white to occasionally light brown argillaceous matrix, common altered feldspar grains, abundant grey green lithics, common yellow brown to red lithics decreasing with depth, occasional medium brown grey clay clasts up to 3 cm diameter, trace black coal detritus, moderately hard, no visual porosity COAL: (detrital) black, earthy texture, wavy platy fracture, hard and brittle Below 1536m and increasing with depth veining 1 - 5mm wide at 30 - 90 degree dip infilled by a medium brown translucent crystalline mineral giving dull to moderately bright yellow orange fluorescence with no cut.
25	0	1538			
25	0	1539			
25	0	1540			
25	0	1541			
25	0	1542			
25	0	1543			
25	0	1544			
25	0	1545			
25	0	1546			
25	0	1547			
25	0	1548			1545.3 - 1545.5m 70% CLAYSTONE with irregularly shaped SANDSTONE clasts (probably fault distorted together) CLAYSTONE: light brownish grey, structureless but with occasional thin black coal flakes up to 3cm diameter SANDSTONE: light brown grey, very fine to coarse, dominantly medium, subangular, moderately sorted, moderate silica cement, non calcareous, moderate to abundant off white to light brown argillaceous matrix, common grey green lithics, trace brown lithics, trace to common black coal detritus, trace to abundant clay clasts, very poor visual porosity, no oil fluorescence
25	0	1549			
25	0	1550			1545.5 - 1546.5m Massive structureless SANDSTONE SANDSTONE: light grey, very fine to coarse, dominantly medium, subangular, moderately sorted, moderate silica cement, common off white argillaceous matrix, common altered feldspar grains, abundant grey green lithics, trace to common brown lithics, trace black coal detritus, moderately hard, fair visual porosity, no oil fluorescence NOTE: Sandstone stained brown in parts from mud filtrate invasion.
25	0	1551			
25	0	1552			1546.5 - 1547.4m SANDSTONE with abundant fault? distorted clay clasts up to 5cm diameter with fair vuggy (up to 1cm) porosity. SANDSTONE: light grey, very fine to coarse, dominantly medium, subangular, moderately sorted, moderate silica cement, common off white to light brown argillaceous matrix, common altered feldspar grains, abundant grey green lithics, trace to common brown lithics, common black coal detritus, moderately hard, fair vuggy porosity but probably very low permeability, no oil fluorescence
25	0	1553			