

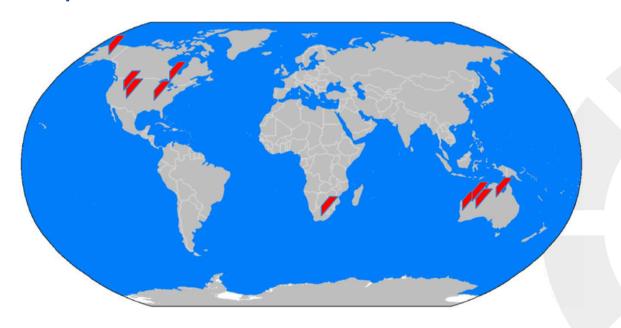
Getting through complex cover to basement





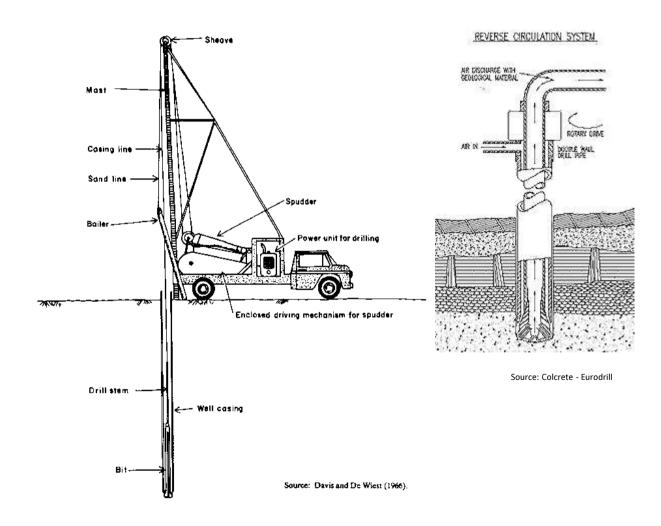


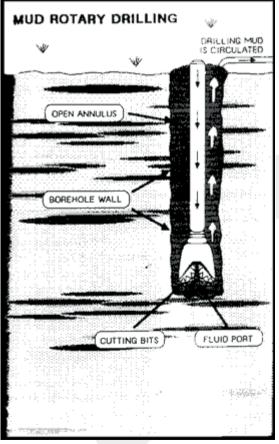
- First Drilling
 - Surface and Underground drilling contractor
 - Main operations in Australia and North America



A short History of exploration drilling in the Eucla Basement





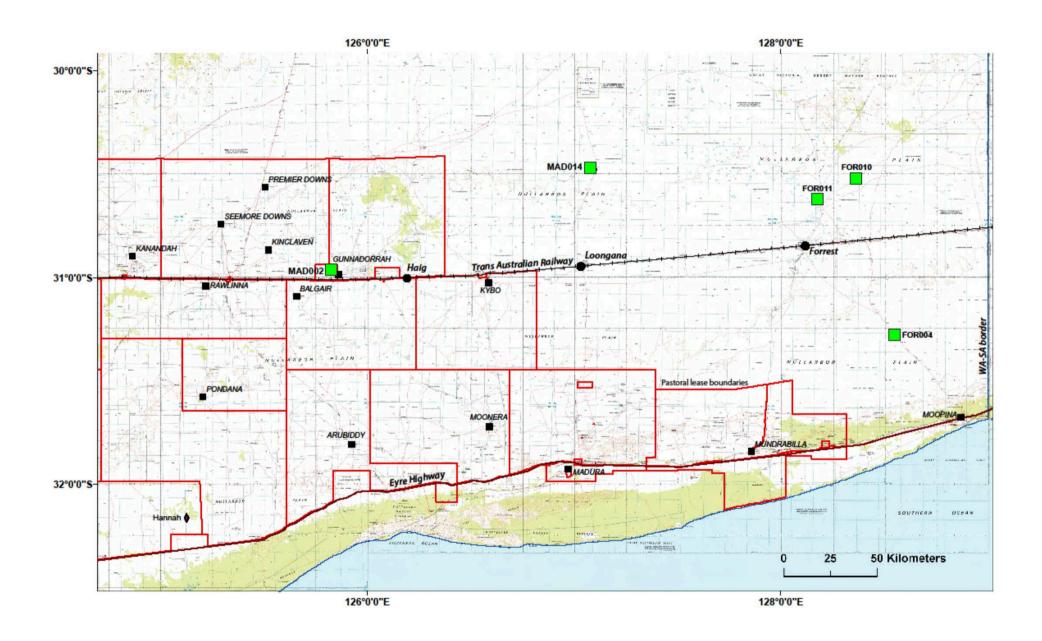


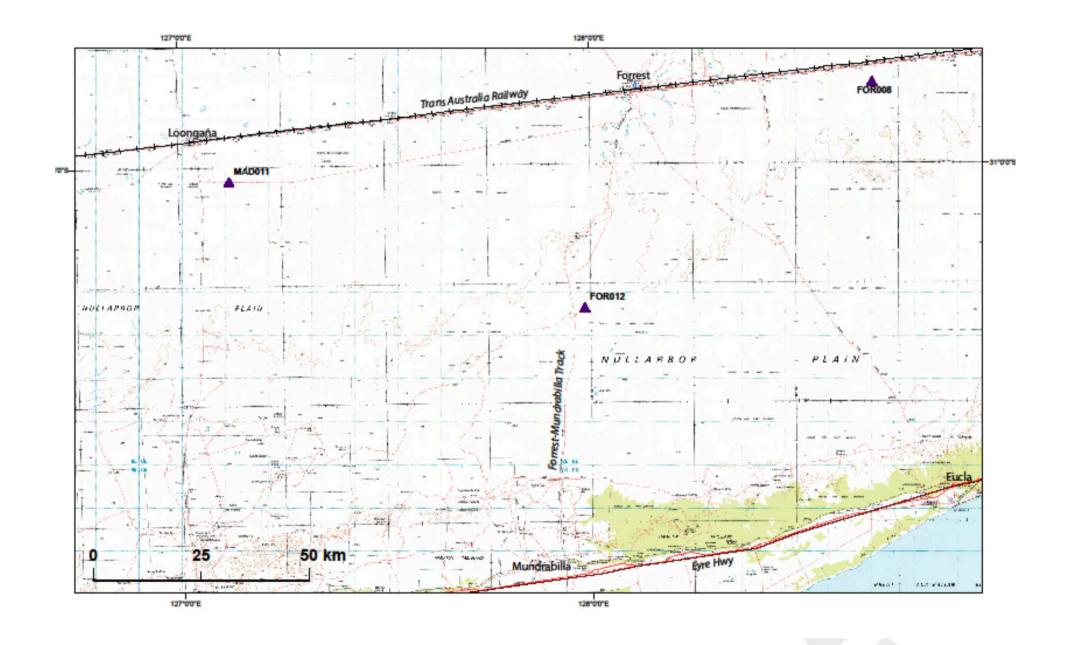
Source: Keely & Boateng (1987)

Getting There









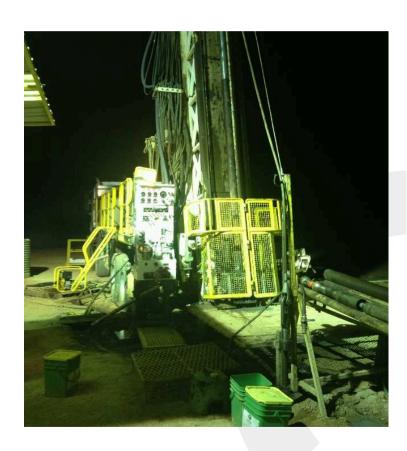
Critical Setup

















Drilling Fluid Program

Basement



Hard, chalky limestone	Nullarbor Limestone			
Chalky, fossiliferous limestone	Wilson's Bluff Limestone			
		Target Fluid Properties		
Carbonaceous sandstone Shale, siltstone,	Hampton Sandstone Uneven base	Mud Weight Viscosity Filtrate Filter cake	1.00 - 1.05 40 - 45 < 20 0.5 - 1.0	Sg sec / quart ml / 30 min mm
layers of unconsolidated sand	Madura Formation	рН	8.0 – 9.5	
Semi-solid sand, pebbly conglomerate	Loongana Formation			

Uneven base





What to be aware of







