



# Daily Geology Report

Well Name:		Ayrford-1	
Report No:	7	For date:	13-Apr-08
Days:	7	Midnight depth:	873
24 hr progress:			309
0600 depth update:			940
06:00 operation & 24 program:		Drilling ahead 8 1/2" hole	
Highlights and Fm Dilwyn 636 m Pember Mdst 860 m, Pebble Point 905m Massacre Shale 921m Timboon tops: 932m. Massacre Shale marker depth equal to Melba-1.			

## Interval Descriptions

From	To	Thick ness	ROP	GAS	Description and shows
			m/hr	PPM	
			min-max(av)		SANDSTONE (90 - 100%): Clear/translucent to medium dark greyish yellow, to yellow. Very coarse to fine, pred med. Poorly sorted, sa. Occ very well rounded grains. Predom loose. Slight calc or ferruginous cement adhering to grains. Trace reworked pyrite nodules, pyritised chamosite and fossil material, and lithic grains. SILTSTONE (0 - 10%): Light greyish green, speckled, very finely sandy, soft, trace glauconite
564	650	86	10 - 45 (20)	nil	
Typical Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	

From	To	Thick ness	ROP	GAS	Description and shows
			m/hr	PPM	
			min-max(av)		Interbedded SANDSTONE and SILTSTONE. SANDSTONE: 1 clear to very light grey, pred coarse to very coarse grained, loose quartz grains, stained moderate yellowish brown (limonitic clay), polished with a pearly lustre, commonly pitted, common composite quartz grains (reworked quartzite) sr-well rounded, very well sorted. And 2. Medium grey to brownish grey, vf-fn grained, silty, calcareous cement ip, trace pyrite and rounded glauconite pellets. Grading to SILTSTONE: Brownish grey, sandy ip, soft, carbonaceous matter ip.
650	860	210	10 - 60 (29)		
Typical Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	

From	To	Thick ness	ROP	GAS	Description and shows
			m/hr	PPM	
			min-max(av)		MUDSTONE: 90% brownish grey to dark greenish grey, firm, very glauconitic, sandy in part, common floating sand grains in silty glauconitic matrix, common chamosite pisolites, glauc clay and pyrite cement. Trace fossil frgments. SANDSTONE: 10% clear very coarse grained angular to subrounded, polycrystalline composite quartz grains with glauconitic clay matrix adhering. Trace mica.
860	873	13	6 - 28 (16)		
Typical Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	

From	To	Thick ness	ROP	GAS	Description and shows
			m/hr	PPM	
			min-max(av)		
Typical Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	

### Comments