



# Daily Geology Report

Well Name:		Ayrford-1	
Report No:	8	For date:	15-Apr-08
Days:	8	Midnight depth:	1140
24 hr progress:		267	
0600 depth update:		1208	
06:00 operation & 24 program:		Drilling ahead 8 1/2" hole	
Highlights and Fm tops:	Pebble Point 905m Massacre Shale 921m Timboon 932m. Paaratte 970m.		

## Interval Descriptions

From	To	Thick ness	ROP m/hr min-max(av)	GAS PPM min-max(av)	Description and shows
873	905	32	4.5-30 (24)	nil	SILTSTONE (80%): dark greenish to brownish grey, dark greyish red, very glauconitic in part, soft to firm minor pyrite, occasional unsupported medium to very coarse quartz grains. Interbedded with SANDSTONE (20%): as loose grains, clear translucent, medium to very coarse, subangular to subrounded.
Typical Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	

From	To	Thick ness	ROP m/hr min-max(av)	GAS PPM min-max(av)	Description and shows
905	921	16	21 - 36 (30)		SANDSTONE (50-80%) predominantly loose quartz grains, clear to occasionally orange-brown stained, coarse to very coarse, angular to subrounded, reworked polycrystalline grains, common glauconite, clay matrix adhering to grains, SILTSTONE (20 - 50%) dark greenish grey, brownish grey, slightly calcareous, sandy, rounded glauconite pisolites grading to very fine sandstone mottled orange brown w/ limonite stain.
Typical Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	

From	To	Thick ness	ROP m/hr min-max(av)	GAS PPM min-max(av)	Description and shows
921	932	11	12-28 (32)		CLAYSTONE: (80%) dark brownish grey to greenish grey, dispersive. SANDSTONE (20%) as loose grains washing out. Quartz with fe stain, fine to coarse grained, trace red chert lithics.
Typical Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	

From	To	Thick ness	ROP m/hr min-max(av)	GAS PPM min-max(av)	Description and shows
932	970	38	16-		SANDSTONE: Predom 1. Disaggregated quartz grains, clear, translucent to opaque and milky, yellowish brown stain on some grains, rare lithics (orange brown and pale green chert fragments), vc, broken pebble and granule fragments, ang (broken fragments) to sr. Minor 2. White aggregates, fn grained, well sorted, firm, trace pyrite cement.
Typical Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	

From	To	Thick ness	ROP m/hr min-max(av)	GAS PPM min-max(av)	Description and shows
970	1140	170	12-44(29)	0 - 2 (0.9)	SANDSTONE (20 - 100%): Disaggregated quartz grains, clear, translucent, some opaque and milky, c-vc, angular (broken) -sr, common broken fragments of rounded quartz granules, predominantly loose with silica cement adhering. Trace COAL, black, pyritic ip. Interbedded with SANDY CLAYSTONE (0-80%) : Light brownish grey, soft, dispersive, slightly sticky ip, with vf sand, grades to argillaceous sandstone with abundant light grey clay matrix, siliceous.
Typical Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	

## Comments