



Daily Geology Report

Well Name:		Ayrford-1	
Report No:	10	For date:	17-Apr-08
Days:	10	Midnight depth:	1623
24 hr progress:	240		
0600 depth update:	1623 TD		
06:00 operation & 24 program:	Pulling out of hole for logging		
Highlights and Fm tops:	Top Belfast Fm 1480m. Top Flaxman Fm 1499m. Top Waarre Fm: 1526m? Top Eumeralla Fm: 1588m		

Interval Descriptions

From	To	Thick ness	ROP	GAS	Description and shows
			m/hr	PPM	
1383	1480	97	7 - 49	0-2	SANDSTONE: Disagg qtz grains, translucent to opaque, pale orange brown and pale greenish grey, m-c, occ vc, generally sa-r except where larger grains are broken, trace polycrystalline quartz grains, trace to 15% greenish grey glauconitic clay matrix. Trace pyrite cement. SANDY CLAYSTONE: Light grey to greenish grey, mottled greyish yellow, trace glauconite, soft, dispersive in drilling mud. GLAUCONITIC MUDSTONE: Medium yellowish brown with abundant glauconite pellets, partially cemented, soft to firm.
			(25)	(0.8)	
Typical Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	
48	5	2			

From	To	Thick ness	ROP	GAS	Description and shows
			m/hr	PPM	
1480	1499	19	11-36	0.1 - 2	SILTY CLAYSTONE: Brownish grey with common dark greyish green glauconite pisolites, soft, amorphous, gt SILTSTONE: med grey, greyish brown, minor dark yellowish orange, firm to hard, blocky, calcareous, siliceous ip, with glauconitic pisolites ip. GLAUCONITIC CLAYSTONE: Brownish grey with dark greyish green glauconitic clay and hard pisolites, soft, amorphous. Trace SANDSTONE: a/a. Also trace light brown and dark yellowish orange, limonite cemented, vfn grained quartzose sandstone, firm, blocky. Trace pyrite. Trace fossil frags.
			(16-)	(0.2)	
Typical Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	
299	7	5			

From	To	Thick ness	ROP	GAS	Description and shows
			m/hr	PPM	
1499	1526	27	2.3 -		GLAUCONITIC CLAYSTONE: Brownish grey, speckled with dark greyish green glauconitic pisolites (f-m grain size, occ coarse), soft to firm, blocky, silty. grades to SILTSTONE: Med dark grey, greenish grey, minor greyish red, firm - mod hard, blocky, in part speckled with greyish green glauconitic pisolites, sandy (qtz m-c grained) . Trace CLAYSTONE: dark yellowish orange, soft, amorphous. Trace loose quartz sand a/a with silty matix adhering to grains ip.
			20 (10)		
Typical Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	
3697	293	228	38		

From	To	Thick ness	ROP	GAS	Description and shows
			m/hr	PPM	
1526	1588	62	5-28	7 - 195	SANDSTONE: <10: at top of interval, increasing with depth): White, light brownish grey, vf-f grained, soft to firm, with abundant vfn quartzose silt matrix, abundant soft white clay matrix ip, common carbonaceous flecks and wisps, minor glauconitic pisolites ip. Becoming at 1545 - 1571 disaggregated quartz grains, clear, translucent to opaque, c-vc, generally broken and angular (conglomerate?) clean with minor clay matrix, vis porosity good no shows. Grading to SANDY CLAYSTONE: Light brownish grey, white, soft, amorphous, vfn quartzose sand, dark greyish green glauconitic pisolites ip. At base of interval SILTY CLAYSTONE: very pale greyish brown, blocky, very soft, lrtace carbonaceous matter.
			(13)	(36)	
Peak Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	
22.6k	2114	2091	237	40	

From	To	Thick ness	ROP	GAS	Description and shows
			m/hr	PPM	
1588	1622	34	11 - 27	20 - 36	SANDSTONE: As loose grains, ttranslucent black to grey, white, green, greenish blue, orange lithic (volcanolithic) and quartz grains, fine coarse predominantly medium in abundant pulpy white slightly calcareous clay matrix. Trace coarse biotite.
			(12)	(28)	
Typical Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	
3159	290	280	50	20	

Comments