

Daily Geology Report

Well N	lame:				Ayrford-1
Repor	t No:	9	For	date:	16-Apr-08
Da		9	Midnigh	t depth:	1383
	orogre				243
		ıpdate:			1449
06:00 operation &					Drilling ahead 8 1/2" hole
	progra				5
Highli	ghts a tops:	nd Fm	Top Sku	ıll Creek	Mudstone 1217m, top Nullawarre Greensand 1304m
	T	T			Interval Descriptions
From	То	Thick ness	ROP	GAS	Description and shows
			m/hr	PPM	
				ax(av)	SANDSTONE (20 - 100%): Predom 1. Disaggegated qtz grains, clear, translucent, m-vc, predom vc,
1140	1217	77	8.4-44	0.1 - 4	generally broken and angular, some smaller grains sub-rounded. Minor 2. Light grey, quartzose, vf-fn, carb flecks, clay matrix, generally soft, hard pyrite cement ip.
			(24)	1.4	
C1	Typical Gas /		i+nC4	C5	CLAYSTONE (0 - 80%): White, light grey, light brownish grey, very pale orange, with abundant very fine
343	8	6	1+1104	03	quartz sand ip, soft, amorphous, carbonaceous flecks in part, grading to SANDY CLAYSTONE.
J#3	0	U	<u> </u>	<u> </u>	gadine same ip, son, annoiphicus, carbonacecus nicons in part, grading to samb i centis i cine.
From 1217	To 1255	Thick ness	ROP	GAS	Description and shows SANDY and SILTY CLAYSTONE (70 - 100%): Light grey, med grey, light brownish grey, soft-firm, amorphous-blocky, common carb flecks and wisps, very silty and sandy (vf quartz) ip, trace glauconitic
			m/hr	PPM	
			min-m		
			16-35	0.1 - 6	
			(24)	(3)	
	Typica	al Gas /	Analysis		pisolites and clay ip. SANDSTONE (0 - 30%): Predom 1. disagg quartz grains, clear and translucent to
C1	C2	C3	i+nC4	C5	opaque, c-vc, sa-r, commonly fractured and broken. Minor 2. Very light grey aggregates, quartzose, fn-m, well sorted, firm to hard, silica cemented, pyrite cement ip. Rare amber grains.
344	16	12			weil sorteu, ilitii to flatu, siilca cernenteu, pyrite cernent ip. Kare amber grains.
		ļ.		ļ.	
From	То	Thick ness	ROP	GAS	Description and shows SILTY CLAYSTONE (100%): Grey, brownish grey, soft, generally amorphous, rarely blocky, dispersive, with carbonaceous flecks and wisps, gt sandy claystone. Trace SILTSTONE: brownish grey, soft to firm,
			m/hr	PPM	
			min-m		
1255		49			
			(23)	(6)	
0.1			Analysis		blocky. Trace coalified wood frags. Rare amber grains (bright yellow fluorescence). Trace SANDSTONE:
C1 706	C2	C3		C5	a/a
706	139	135	34		
From	То	Thick ness	ROP	GAS	Departation and shows
			m/hr	PPM	Description and shows SILTY CLAYSTONE (100%): a/a. Trace dark greenish grey glauconitic clay. Trace pyrite. Trace chert.
			min-m	ax(av)	
1304	1315	11	20-30	5 - 56	
			(26)	(15)	
1304		<u> </u>			
	Typica		Analysis		ole i ole i ole (1007), ala massaan groomer groj gaasomio oleji mass pjiner massainin
C1	Typica C2	C3	Analysis i+nC4	C5	
	Typica C2		Analysis		
C1	Typica C2	C3	Analysis i+nC4 100	C5 5	
C1 565	Typica C2 168	C3	Analysis i+nC4 100 ROP	C5 5 GAS	Description and shows
C1	Typica C2	C3 165	Analysis i+nC4 100 ROP m/hr	C5 5 GAS PPM	
C1 565 From	Typica C2 168	C3 165 Thick ness	Analysis i+nC4 100 ROP m/hr min-m	GAS PPM ax(av)	Description and shows
C1 565	Typica C2 168	C3 165 Thick	Analysis i+nC4 100 ROP m/hr min-m	GAS PPM ax(av) 1 - 6	Description and shows SANDSTONE (60-100%): disagg quartz grains, translucent to opaque, light greenish grey, also pale
C1 565 From	Typica C2 168 To 1383	C3 165 Thick ness 68	Analysis i+nC4 100 ROP m/hr min-m 8-42 (27)	GAS PPM ax(av) 1 - 6 (3.5)	Description and shows SANDSTONE (60-100%): disagg quartz grains, translucent to opaque, light greenish grey, also pale orange brown below 1345m, m-c,occ vc, sa-sr, trace greenish grey glauconitic clay clinging to grains ip.
C1 565 From 1315	Typica C2 168 To 1383 Typica	C3 165 Thick ness 68 al Gas	Analysis i+nC4 100 ROP m/hr min-m 8-42 (27) Analysis	GAS PPM ax(av) 1 - 6 (3.5) PPM	Description and shows SANDSTONE (60-100%): disagg quartz grains, translucent to opaque, light greenish grey, also pale orange brown below 1345m, m-c,occ vc, sa-sr, trace greenish grey glauconitic clay clinging to grains ip.
C1 565 From 1315	Typica C2 168 To 1383 Typica C2	Thick ness 68 al Gas /	Analysis i+nC4 100 ROP m/hr min-m 8-42 (27) Analysis i+nC4	GAS PPM ax(av) 1 - 6 (3.5) PPM C5	Description and shows SANDSTONE (60-100%): disagg quartz grains, translucent to opaque, light greenish grey, also pale orange brown below 1345m, m-c,occ vc, sa-sr, trace greenish grey glauconitic clay clinging to grains ip. SILTSTONE (0-20%): Light grey, light brownish grey, greyish brown, soft-firm, blocky, carbonaceous flecks
C1 565 From 1315	Typica C2 168 To 1383 Typica	C3 165 Thick ness 68 al Gas	Analysis i+nC4 100 ROP m/hr min-m 8-42 (27) Analysis	GAS PPM ax(av) 1 - 6 (3.5) PPM	Description and shows SANDSTONE (60-100%): disagg quartz grains, translucent to opaque, light greenish grey, also pale orange brown below 1345m, m-c,occ vc, sa-sr, trace greenish grey glauconitic clay clinging to grains ip. SILTSTONE (0-20%): Light grey, light brownish grey, greyish brown, soft-firm, blocky, carbonaceous flecks ip, trace glauconitic pisolites, trace pyrite cement. CLAYSTONE (0-20%): White, brownish grey, greenish