

Well N					Pritchard 1
Report		10		date:	5-Apr-06
Day		10	Midnigh	t depth:	1395
24 hr progress:					114
0600 depth update:					1419
06:00 operation & At 06:00 Pritcha 24 program: intersect top Nul					rd-1 was drilling ahead at 1419 m in the PaarratteFm. Plan is to drill ahead and lawarre Fm.
					atte sands at approx 1380 m. ROP indications of lithology below 1333 m are
and Fm tops: unreliable due to					
					Interval Descriptions
From		Thick ness	ROP	GAS	Description and shows
	То		m/hr	PPM	
			min-m	ax(av)	
1281	1311	30	8 - 28	50 -	Finely laminated SILTY CLAYSTONE: dark grey to very dark greyish brown, carbonaceous, grades to carbonaceous shale, firm subfissile; minor SILTSTONE: pale grey, soft, calcareous in part and with clay
			(15)	195	
				(110)	matrix;
	Avera	ge Gas	analysis	s PPM	
C1	C2	C3	i+nC4	C5	trace DOLOMITE: pale greyish orange, glauconitic, and trace CARBONACACEOUS SANDSTONE: black,
75%	25%	nil	nil	nil	very fine grained, silty, micaceous.
			ROP	GAS	
From 1311	То	Thick	m/hr	PPM	Description and shows
	10	ness		ax(av)	SILTY CLAYSTONE: medium to dark greyish brown, interbedded with GLAUCONITE SANDSTONE:
			8 - 12		brown, dark green, black, predominantly fine to medium but with occasional very coarse, quartz grains form
	1323	12	(10)	(30)	30 - 70% of rock, angular, irregular grains, poorly sorted, predominantly loose, traces of mud matrix, pyrite
	Avora	ao Cor			and silica cements, visual porosity poor, no shows.
01		-	Analysi		
C1	C2	C3	i+nC4	C5	GLAUCONITIC MUDSTONE: black, soft to hard, contains up to 30% glauconite and ?chamosite pellets
95%	5%	nil			and occasional very coarse angular quartz grains.
From	То	Thick ness	ROP	GAS	Description and shows
			m/hr	PPM	
				ax(av)	
					ANDSTONE: quartzose, clear to white, light grey, fine to very coarse grained, poorly sorted, angular
1323	1333	10	30 - 44 (35)	25 - 65 (40)	irregular grains and composite grains, silica and occasional pyrite cement, common fractured grains. Visual
					porosity fair, no shows.
			Analysis		
C1	C2	C3	i+nC4	C5	
100%					
			ROP	GAS	
From	То	Thick	m/hr	PPM	Description and shows
1 10111	10	ness	min-max(av)		SANDSTONE: grey, fine to very coarse grained, poorly sorted, angular to rarely well rounded, silica and pyrite cement, and silty matrix is variable slight to dense, abundant shattered quartz grains, common grey
			· · · /		
1333	1395	62	2 - 20		cherty lithic grains. Visual porosity poor to occasionally fair. Interbedded with minor SILTY CLAYSTONE:
	Avere	ao Coo	(10)	(12)	medium greyish brown, subfissile.
			Analysis		
C1	C2	C3	i+nC4	C5	SANDSTONE increasing to 100% below 1380-1395 m, visual porosity improves to fair, no shows. Trace COAL, black, conchoidal fracture.
100%					COAL, black, conchoidal fracture.
					Comments, or other evaluation reports
					Low penetration rate and high drill torque prevented drilling beyond 1395 m.
					The bit was pulled and found to have worn teeth & 1/8" gauge loss. ROP in
					sandstone will have been reduced significantly.
					Sanusione will have been reduced significantly.
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