



Daily Geology Report

Well Name:		Pritchard 1	
Report No:	17	For date:	12-Apr-06
Days:	17	Midnight depth:	2543
24 hr progress:			38
0600 depth update:			2537
06:00 operation & 24 program:	At 0600 Pritchard-1 was logging seismic velocity survey. Plan to carry out MDT pressure survey		
06:00 Highlights and Fm tops:	Provisional wireline Formation tops appended below		

Interval Descriptions

From	To	Thick ness	ROP m/hr	GAS PPM	Description and shows
			min-max(av)		
2505	2543	38	4.5 - 15 (7)	100 - 800 (300)	SANDSTONE interbedded with SILTSTONE. SANDSTONE in coarsening upwards cycles, white, predominantly disaggregated, medium grained becoming fine to very fine with depth, well sorted, common fractured grains, originally rounded, quartzose, trace black and greenish grey lithics, occasional aggregates with firm silica cement, nil to trace clay matrix, visual porosity poor to fair. No shows.
Average Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	
99%	trace	trace	nil	nil	SILTSTONE: dark grey, greyish black, firm to hard, clayey in part, grades to silty claystone, rare carbonaceous flecks, occasional micaceous laminae.

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

Wireline Provisional Formation Tops

KB	Elev	thickness	Formation
m	m	m	
40	-2	45	Pt Campbell Limestone
85	43	48	Burrungule Mbr
133	91	757	Dilwyn Fm
890	848	45	Dilwyn/Pember progrades (informal EPRL unit)
935	893	73	Pember Mudstone
1008	966	260	mid Pember sand (informal EPRL unit)
1268	1226	48	lower M. <i>diversus</i>
1316	1274	17	Pebble Point Formation
1333	1291	661	Paaratte Formation
1994	1951	42	Skull Ck Mudstone
2035	1993	66	Nullawarre Greensand equiv
2101	2059	248	Pritchard ?subaqueuous fan of ?Eumeralla Fm provenance
2349	2307	13	Belfast Formation
2362	2320	181	Flaxman Formation
2543			TD

NB depths rounded to nearest metre

NB Gas readings rise in claystones and fall in sandstones as per previous intervals