



## Daily Geology Report

Well Name:		<b>Pritchard 1</b>
Report No:	<b>14</b>	For date: <span style="float: right;">9-Apr-06</span>
Days:	<b>14</b>	Midnight depth: <span style="float: right;">2183</span>
24 hr progress:		85
0600 depth update:		2098
06:00 operation & 24 program: At 06:00 Pritchard-1 was drilling ahead at 2240 m in the Lower Sherbrook Gp. Av rate of progress 10 m/hr, background gas of 200 - 500 ppm C1m trace -30 ppm C2.		
06:00 Highlights and Fm tops:		

### Interval Descriptions

From	To	Thick ness	ROP	GAS	Description and shows
			m/hr	PPM	
			min-max(av)		
<b>2098</b>	<b>2108</b>	<b>10</b>	<b>19 - 45 (30)</b>	<b>100 - 300 (200)</b>	SANDSTONE interbedded with minor SILTY CLAYSTONE. SANDSTONE: clear to white, light grey, trac green, fine to medium well sorted at top grading downwards to very fine to coarse/ poorly sorted, white clay matrix adhering to loose quartz grains, occasional aggregates with dense silified buff clay matrix, trace glauconite and feldspar, visual porosity fair, no flu.
Average Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	SILTY CLAYSTONE: decreasing with depth, dark grey to very dark brown, very finely carbonaceous & pyritic, very finely sandy in part, hard, fissile to blocky.
<b>100%</b>	<b>nil</b>	<b>nil</b>	<b>nil</b>	<b>nil</b>	

From	To	Thick ness	ROP	GAS	Description and shows
			m/hr	PPM	
			min-max(av)		
<b>2108</b>	<b>2183</b>	<b>75</b>	<b>5 - 55 (15)</b>	<b>40 - 535 (80)</b>	SANDSTONE: very pale green, very fine to occasionally very coarse poorly sorted at top grading downward to well sorted predominantly fine grained. Predominantly subangular but with common very angular irregular grains, and trace very well rounded grains. high sphericity. Quartzose, with clear, white, yellow, rare pink grains, and trace ?chlorite grains. Chlorite clay matrix adhering to loose grains. Porosity gen. poor, but very good 2108 - 2119 m. Max gas at top of interval
Average Gas Analysis PPM					
C1	C2	C3	i+nC4	C5	Trace SILTSTONE: dark grey, hard, and SILTY CLAYSTONE: very dark brown, fissile, carbonaceous, black / glauconitic in part, with irregular laminae of coarse pellets. Rare loose marine fossils
<b>100%</b>	<b>nil</b>	<b>nil</b>	<b>nil</b>	<b>nil</b>	

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Comments, or other evaluation reports

Occasional grains of fluorescent resin noted