

# HEATHFIELD No. 1 WELL



## GENERALIZED STRATIGRAPHICAL SEQUENCE

G.L. Elevation : 230'

Scale : 1:500

STRATIGRAPHY				DEPTH	INTERPRETED LOG	DEPTH	GENERAL LITHOLOGY	THICKNESS	
AGE	GROUP	FORMATION	INFORMAL UNIT						
RECENT						70	Sands	70 ft.	
PLEISTOCENE	NORMANBY	WHRLERS BUFF	Ab			152	Sandy calcarenites and biocalcarenes.	82 ft.	
OLIGOCENE	GLENELG	COMPTON CONGL.	Bc			276	Sandstones, conglomeratic ferruginous.	124 ft.	
PALAEOCENE - EOCENE	KNIGHT GROUP	DARTMOOR FORMATION	Db <sub>1</sub>	500		675	Sandstones, sideritic sandstones, clays, sandy clays and carbonaceous siltstones.	522 feet	
			Db <sub>2</sub>	798		798	Carbonaceous clays and siderite rock.		
		BAHGALLAH FORMATION	Dd	1,000		1,000	1,217	Pelley, oolitic, sandstones, siderite rock, sandy siltstones, chloritic clays.	419 ft.
			Gb	1,500		1,500	1,600	Sandstones and clays with coaly horizons.	383 ft.
			Gd	1,680		1,680	1,680	Fine-grained, sideritic sandstone.	80 ft.
UPPER CRET.		PAARATTE							
LOWER CRETACEOUS	MERINO (OTWAY) GROUP		M			2,050	Mudstones, siltstones and lithic sandstones with pellicular chlorite cement. Mudstone pellets. (Subgreywacke)	370 ft.	
					2,500		2,050	Siltstones, fine-grained lithic sandstones with calcite, zeolite and pyrite cement. (Subgreywacke)	560 feet
					3,000		2,610	Minor sandy (replacement) limestones.	
					3,500		3,184	Chloritic <sup>sandy</sup> siltstones and <sup>minor</sup> claystones with <sup>rare</sup> very fine-grained <sup>thinly bedded lithic</sup> sandstones with chloritic clay matrix. (Greywacke)	574 feet
					4,000		3,500	Minor calcite and zeolite cement.	
					4,500		4,115	Chloritic siltstones and claystones with fine-grained lithic sandstones with calcite and minor zeolite cement. Rare kaolinitic clay matrix. Volcanic lithics important.	931 feet
					4,500		4,144	V. coarse, clean quartz sand. V. good porosity. Volcanic lithics absent.	29 ft.
					5,000		4,500	Chloritic siltstones, minor claystones and coal seams.	832 feet
					5,500		4,976	Fine-grained lithic sandstones with calcite and spots of zeolite cement and kaolinitic and chloritic clay matrix.	
					6,000		5,500	Siltstones, minor mudstones and claystones.	626 feet
	6,500		5,602	Thinly bedded, fine-grained, lithic, feldspathic sandstones with kaolinitic and chloritic clay matrix.					
	7,000		6,098	Siltstones and sandy mudstones.	496 ft.				
	7,500		6,593	Fine-grained lithic sandstones with chloritic and kaolinitic clay matrix. (Greywacke)	495 ft.				
			7,408	Mudstones with interbedded fine grained lithic sandstones with chloritic and kaolinitic matrix. Minor calcite cement.	815 feet				
? JURASSIC			P	7,500		7,500 T.D.	Siltstones, mudstones, and fine to medium-grained sandstones with garnets. (Subgreywacke)	92 ft.	