

Department of Primary Industries and Water — Water Management Act 1999 — INFORMATION RELATING TO CONSTRUCTION OF A WATER BORE — Required under Section 131 of the Act

Bore Number (Driller's Number): 001		Is this a report on: <input checked="" type="checkbox"/> A new bore <input type="checkbox"/> Backfilling (decommissioning a bore) <input type="checkbox"/> Deepening an existing bore <input type="checkbox"/> Rehabilitation (improving borehole performance)																				
Location of well (nearest town): Clayhill					Well sited by (Driller, owner, other): DRILLER																	
Property name or Plan/Lot No.: 'Rockdowns' Plan: 54376 Lot: 42					Method of siting used (geological or hydrogeological map, MRT database, diviner):																	
Owner/occupier name: J & K Smith					Well constructed by (Company and Person)		Company name: SUPER DRILL															
Owner's telephone contact number: 03 62435678 / 0405623978					Driller name: Phillip			Licence No. 001														
Address of owner/occupier in full: 16 BROWNS ROAD CLAYHILL 7307					Date construction commenced: 18/02/09			Date construction completed: 19/02/09														
Address of borehole site (or <input type="checkbox"/> if same as above) 1673 GREENS ROAD CLAYHILL 7307					Status of well: <input checked="" type="checkbox"/> Operating <input checked="" type="checkbox"/> Capped <input type="checkbox"/> Abandoned <input type="checkbox"/> Collapsed <input type="checkbox"/> Other																	
Australian Survey Datum:		Easting: 349775		<input checked="" type="checkbox"/> GPS <input type="checkbox"/> Other (specify)		Reason for the above status (pump not yet installed backfilled due to difficult construction, etc.): Pump not yet installed																
AMG 66 or GDA 94		Northing: 5475309		<input type="checkbox"/> 1:25 000 map																		
DRILLING SUMMARY					BORE DIAMETER					SEAL and other annular fill material (e.g. cement, bentonite, backfill)												
Drilling technique (type of well construction)		<input type="checkbox"/> Cable tool (P) <input type="checkbox"/> Auger <input type="checkbox"/> Rotary air (R) <input checked="" type="checkbox"/> Rotary mud (R) <input type="checkbox"/> Down-hole hammer (R) <input type="checkbox"/> Other (please specify)			From (m)	To (m)	Diameter (mm)	Drilling technique (complete if multiple techniques used)			From (m)	To (m)	Material type and grain size (max, min & average)									
					0	6	250	Rotary Mud / Blade Bit			0	16	CEMENT									
					6	10	240	Rotary Mud / Rock Bit			16	29	BACKFILL									
Final depth of bore (m): 39m		Original depth of bore (m):			6	10	240	Rotary Mud / Rock Bit			29	30	BENTONITE SEAL									
DRILLER'S LOG					10	45	195	RM / Rock bit			DEPTH TO WATER STRUCK (m)											
From (m)	To (m)	Rock type			CASING – material (PVC, ABS/thermoplastic, steel, FRP/fibreglass)					From (m)	To (m)	Yield (L/s or gph)	SWL (m) before pumping	Drawdown (m)	Duration (h)	Conductivity (µS/cm)						
0	3	TOPSOIL			From (m)	To (m)	Inside diameter (mm)	Outside diameter (mm)	Material	0	10	212.6	219	STEEL	31	34	3	16			445	
3	6	CLAY FINE SILTY			0	10	212.6	219	STEEL	31	34	3	16									
6	10	SAND & GRAVEL (DRY)			0	39		140	PVC Class 12	35	37	2	16	28	3						430	
10	18	CLAY SILTY BROWN																				
18	27	SANDY CLAY WHITE			SCREEN – Inlet types (slotted, perforated, porous, wire wound, open hole)																	
27	29	SAND AND FINES			From (m)	To (m)	Inlet type	Number/metre & size (mm)	Number/metre & diameter (mm)													
29	31	CLAY WHITE			31	33	perforated	20 x 0.5mm		Total yield = 4 <input checked="" type="checkbox"/> L/s or <input type="checkbox"/> gph <input type="checkbox"/> dry bore												
31	34	FINE GRAVEL			35	39	Screen S/S	140 OD - 0.4 mm aperture		Average Field Conductivity (µS/cm): 440												
34	36	CLAY BROWN			DEVELOPMENT METHOD																	
35	39	SAND FINE			GRAVEL PACK					<input type="checkbox"/> Bailed <input type="checkbox"/> Pumped <input checked="" type="checkbox"/> Air flow <input type="checkbox"/> Other (specify) Duration (h) 3												
39	45	THICK CLAY			From (m)	To (m)	Material type and grain size (max, min & average)			Standing Water Level (SWL) after development (m) 16m												
					30	39	3mm gravel			ARTESIAN BORE ON COMPLETION												
										Flow (L/s):		Pressure (kPa):		Temp. (°C):								

Please complete details over page

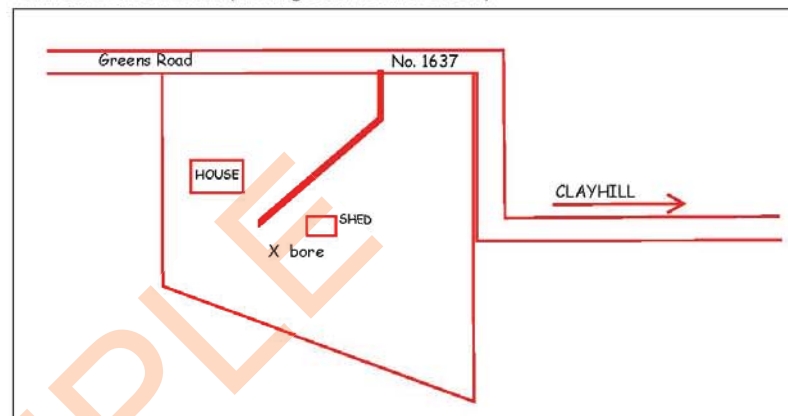
Original form is to be completed and forwarded to Groundwater Management, GPO Box 44, Hobart, Tasmania 7001
Duplicate (yellow) to be retained by water bore owner. Triplicate (pink) to be retained by drilling company.

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SAMPLE

Sampled for analysis? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Analysis attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
If yes, specify the name of the laboratory to which the sample was submitted.			
Was the sample taken before, during or after the FLOW TEST?		<input type="checkbox"/> Before <input type="checkbox"/> After	Time (hours) 16:12
		<input checked="" type="checkbox"/> During (specify time)	{19/02/09}
Describe the TASTE, COLOUR and ODOUR of the water.	TASTE: GOOD	COLOUR: CLEAR	ODOUR: ODOURLESS
Results of any other field chemical test: (e.g. pH, nitrate, dissolved oxygen, etc.)	pH: 6.3 Temp: 14.2		
Intended use for the water:	<input checked="" type="checkbox"/> Drinking	<input type="checkbox"/> Domestic	<input type="checkbox"/> Irrigation
	<input checked="" type="checkbox"/> Stock water	<input checked="" type="checkbox"/> Garden	<input type="checkbox"/> Toilet
	<input type="checkbox"/> Other? (please specify)		

SKETCH OF PROPERTY (showing actual location of bore)



PUMP TEST ON BOREHOLE COMPLETION

Date of test:	
Standing Water Level before test (m):	
Standing Water Level after test (m):	
Maximum drawdown from standing level (m):	
Period of test (hours):	
Type of pump used:	
Suction depth (metres below surface):	
Method of measuring flow:	
Pump test yield (litres per second):	

If detailed pump test readings are available please attach them to this form.

GEOPHYSICAL LOG

Please tick if any of the following have been carried out, and attach results if available.

<input type="checkbox"/> gamma	<input type="checkbox"/> spontaneous polarisation	<input type="checkbox"/> density	<input type="checkbox"/> Other (please specify)
<input type="checkbox"/> resistivity	<input checked="" type="checkbox"/> camera	<input type="checkbox"/> caliper

The location of the well is further described by the method ticked below:

- A sketch plan showing the location of the well and also showing prominent roads, buildings, structures, and other features such as the distance to the nearest property boundary and any known nearby well.
- I attach the relevant section of a 1:25 000 scale map of the land showing the location of the well and any known nearby wells (This information can also be accessed on the Mineral Resources Tasmania website www.mrt.tas.gov.au).

REMARKS

Signature of person constructing well: Phil Date: 19/02/09