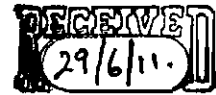


## THE NORTHERN TERRITORY OF AUSTRALIA

APPROVED FORM 21 (01/12/10)

## STATEMENT OF BORE

As per Water Regulations (2009)



Name of Owner: N.T.Govt				Registration No.: <b>18603</b>			
Location/Address: Pine Hill Station - Arden Soak - Woodforde River				BC Permit No: BCPTT28			
Intended Use: Monitoring Bore							
GPS Location:		Zone: GDA94	Other: <input type="checkbox"/>	Specify: <input checked="" type="checkbox"/> WGS 84	Easting: 328734	Northing: 7531964	

From	To	Particulars of Strata	Name of Drilling Company: NRETAS - Water Resources		
0	0.8	Brown sandy/silt clay	Name of Apprentice Driller: Kallum Peckham Mc-Kenzie		
0.8	4	Brown sandy clay	Name of supervising driller I McMasters		
4	5	Brown claystone with sand and gravel	Date Commenced: 13/05/2011		
5	12	Brown sandy clay	Date Completed: 16/05/2011		
12	38	Lt Brown-Brown clayish sand	Depth Drilled: 60.79 (m)		
38	45	Soft Lt Brown a Grey S/Stone	Completion Depth: 59.6 (m)		
45	60.79	Coarse Quartz sand with Soft Brown S/Stone	<b>METHOD OF DRILLING</b> Other <input type="checkbox"/> Auger <input type="checkbox"/> Rev. Circ. <input type="checkbox"/> Rotary Air <input checked="" type="checkbox"/> Rotary Mud <input type="checkbox"/> Specify:		
			<b>HOLE DIAMETER</b> From (m) To (m) Dia. (mm) 0 5.8 279.4 5.8 60.79 200		
			<b>DRILLING FLUID</b> Type Air Air		

PARTICULARS OF CASING				PARTICULARS OF PERFORATIONS OR SCREEN STRINGS				
From	To	Dia (ID)	Type	From	To	Dia (ID)	Aperture	Type
0	5.8	203.2mm	Steel					
0	58	55mm	PVC	58	59.6	55mm	1.0mm Slotted	Class 12 PVC
"2nd Pizometer"								
0	41.5	55mm	PVC	41.5	42.5	55mm	1.0mm Slotted	Class 12 PVC
42.5	43.5	55mm	PVC					

Casing Suspended: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Top of Packer Set at: (m)
Method:	Length of Packer: (m)
Height of Casing above GL: 0.72m x 219mm OD Steel	Method of Packer Connection:
1st Pizo-0.51m x 60.5mm OD PV Pizo 2-0.47m x 60.5mm OD PVC	

CEMENTING/GRAVEL PACKING			WATER BEARING BEDS							
From	To	Type	Depth (m)	Yield (L/s)	SWL (m)	Duration (hr)	Quality	EC	pH	Bottle No.
0	5.8	Cement	38	48.5	0.7		Good	1316	8.35	No 1
No1-43.5	44.72	Ben Seal		54.7	1.3-2.3		Good	1351	8.37	No 2
44.72	57.2	Sand		60.7	3.7		poor	1917	8.28	No 3
57.2	57.92	Ben Seal								
57.92	59.6	5-7mm Gr								
59.6	60.79	Sand								
STRATA / WATER SAMPLES			Completion Yield: 5 - 6 L/s (L/s) Method: Air Duration: 15 mins Have been <input checked="" type="checkbox"/> Will be <input type="checkbox"/> Completion SWL from GL: 36.71 m Depth of Lift: 60 m							
Left at: W/R Depot - A/Springs										

NOTE: No company advertising is to be imprinted on this certificate apart from where requested.

LOCATION SKETCH OF BORE RN: 18603	LOCATION DESCRIPTION OF BORE
	<div style="display: flex; justify-content: space-between;"> <div> NW <input type="checkbox"/>  West <input type="checkbox"/>  SW <input type="checkbox"/>  OF: </div> <div style="text-align: center;"> 5.3 km  North <input checked="" type="checkbox"/>    South <input type="checkbox"/> </div> <div> NE <input type="checkbox"/>  East <input type="checkbox"/>  SE <input type="checkbox"/> </div> </div> <p>X turnoff into Arden Soak along old telegraph line.</p>

#### FINAL CONSTRUCTION STATUS

Capped ☒
Casing Pulled ☐
Left for Obs. ☐
Abandoned ☐
Equipped ☐
Backfilled ☐
Other ☐

#### ADDITIONAL INFORMATION ABOUT THE BORE: (Include any information which may assist for future reference)

Piezometer - -0.25 above ground level to 5.00 m cement. 5.00 m to 40.00 m sand. 40.00 m to 40.95 m bentonite seal. 40.95 m to 42.45 m 5-7mm gra. 42.45 m to 43.50 m bentonite seal.

The bore has a "Jackson Padlock" attached to the bore cap.

Note: The holder of the NT licence shall submit the form to the Department within 28 days of completion of any works.

I certify that the information contained above is true and correct, and that I have complied with the bore licensing requirements and conditions of the Bore Construction Permit as issued if a Bore Construction Permit was required.

Name and licence number of driller: Ian McMasters 24 Signature and licence number of licensed driller: *Ian McMasters* 24 Date: 23 / 5 / 2011

#### FOR OFFICIAL USE ONLY

How Located:		GPS <input checked="" type="checkbox"/>	TST <input type="checkbox"/>	Survey <input type="checkbox"/>	Hand Plotted <input type="checkbox"/>	Other <input type="checkbox"/>
DESCRIPTION OF PROPERTY:						
Rural <input type="checkbox"/>	Mineral <input type="checkbox"/>	Pastoral <input checked="" type="checkbox"/>	Reserve <input type="checkbox"/>	VCL <input type="checkbox"/>	Other <input type="checkbox"/>	
Lease No: 1030	Lot No:	Hundred of:				
Portion No: 725	Section No:	Town of:				
Class of Bore:	Town <input type="checkbox"/>	Domestic <input type="checkbox"/>	Investigation <input checked="" type="checkbox"/>	Agriculture <input type="checkbox"/>	Mineral <input type="checkbox"/>	Pastoral <input type="checkbox"/>
Use of Bore:	Production <input type="checkbox"/>	Investigation <input type="checkbox"/>	Irrigation <input type="checkbox"/>	Observation <input type="checkbox"/>	Monitoring <input checked="" type="checkbox"/>	Roads <input type="checkbox"/>
Grid Reference:	AMG <input checked="" type="checkbox"/>	Clark <input type="checkbox"/>	Zone: 53		Scale: 250000	
Easting: 328734	Latitude:	Map Name: NAPPERBY		SFS3-09/22		
Northing: 7531964	Longitude:	Index Map Number: 827				
Date Registered: 28/9/11	Bore Plotted on the map?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Dept Officer: N. G. BONNS	Signature: <i>N. G. BONNS</i>					
Remarks: RN018603						