

THE NORTHERN TERRITORY OF AUSTRALIA

APPROVED FORM 21 (25/01/2011)

STATEMENT OF BORE

As per Water Regulations (2009)

Name of Owner: NT Govt				Registration No.: 18921			
Location/Address: Pine Hill Station				BC Permit No: BCPTT41			
Intended Use: Monitoring Bore							

GPS Location:	Zone: 53K	GDA94	Other: <input type="checkbox"/>	Specify: WGS 84 <input checked="" type="checkbox"/>	Easting: 362053	Northing: 7506941
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From	To	Particulars of Strata	Name of Drilling Company: DLRM-Water Resources																												
0	2.8	Red/Brown sandy clay	Name of Driller: W Curtis-under supervision																												
2.8	5.9	Lt/Brown, brown sandy clay	Name of supervising driller I McMasters																												
5.9	34	Brown-Lt Brown soft sandstone/sandy clay	Date Commenced: 22/03/2014																												
34	39	Calcrete	Date Completed: 28/03/2014																												
39	96.7	Various coloured soft sandstone/sandy clay	Depth Drilled: 161.00 m																												
96.7	100	Olive and Lt/Brown sandy clay and clay	Completion Depth: 160.03 m																												
100	121.6	Green/Olive clay	METHOD OF DRILLING Other <input type="checkbox"/> Auger <input type="checkbox"/> Rev. Circ. <input type="checkbox"/> Rotary Air <input checked="" type="checkbox"/> Rotary Mud <input type="checkbox"/>																												
121.6	149.8	Blue/Grey shale with some fine grained sand around 139m to 146m.																													
149.8	154	Dark Grey/Black clay	Specify:																												
154	161	Lt/Blue-Grey and Lt/Brown-White Clay/claystone	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3">HOLE DIAMETER</th> <th colspan="2">DRILLING FLUID</th> </tr> <tr> <th>From (m)</th> <th>To (m)</th> <th>Dia. (mm)</th> <th colspan="2">Type</th> </tr> <tr> <td>0</td> <td>5.9</td> <td>381mm</td> <td colspan="2">Air/Mist</td> </tr> <tr> <td>5.9</td> <td>101.1</td> <td>269.2mm</td> <td colspan="2">Air/Foam</td> </tr> <tr> <td>101.1</td> <td>161</td> <td>200mm</td> <td colspan="2">Air/Foam</td> </tr> </table>				HOLE DIAMETER			DRILLING FLUID		From (m)	To (m)	Dia. (mm)	Type		0	5.9	381mm	Air/Mist		5.9	101.1	269.2mm	Air/Foam		101.1	161	200mm	Air/Foam	
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PARTICULARS OF CASING				PARTICULARS OF PERFORATIONS OR SCREEN STRINGS				
From	To	Dia (ID)	Type	From	To	Dia (ID)	Aperture	Type
0	5.9	311mm	Steel					
0	152.03	100mm	PVC	152.03	158.03	100mm	1.0mm Slotted	Class 12 PVC
158.03	160.03	100mm	PVC					

Casing Suspended: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Top of Packer Set at: N/A
Method:	Length of Packer: N/A
Height of Casing above GL: 0.10m x 311.15mm Steel	Method of Packer Connection:
0.10 to 0.50m x 219mm Steel	
0.51m x 100mm 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	5.9	Cement	35	41.7	1.4		Good	1234	7.91	
148.46	150.1	Ben Seal		53.9	8.6		Good	1166	7.66	No 1
150.1	160.03	Gravel Pack		100	6.4-8.4		Good	1270	7.67	No 2
"After construction of 219mm steel casing at 100 metres"										
			115.5	0.3			Fair	1326	7.64	No3
			146	0.5			Fair	1712	7.53	No4

STRATA / WATER SAMPLES Have been <input checked="" type="checkbox"/> Will be <input type="checkbox"/> Water Resources Depot-DLRM	Completion Yield: 3.3 (L/s) Method: Airlift Duration: 35 mins Completion SWL from GL: 29.14 m Depth of Lift: 161 m
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NOTE: No company advertising is to be imprinted on this certificate apart from where requested.

LOCATION SKETCH OF BORE RN: 18921	LOCATION DESCRIPTION OF BORE									
	<div style="text-align: right;">10.5 metres</div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>NW <input type="checkbox"/></td> <td>North <input type="checkbox"/></td> <td>NE <input checked="" type="checkbox"/></td> </tr> <tr> <td>West <input type="checkbox"/></td> <td style="text-align: center;"></td> <td>East <input type="checkbox"/></td> </tr> <tr> <td>SW <input type="checkbox"/></td> <td>South <input type="checkbox"/></td> <td>SE <input type="checkbox"/></td> </tr> </table>	NW <input type="checkbox"/>	North <input type="checkbox"/>	NE <input checked="" type="checkbox"/>	West <input type="checkbox"/>		East <input type="checkbox"/>	SW <input type="checkbox"/>	South <input type="checkbox"/>	SE <input type="checkbox"/>
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	West <input type="checkbox"/>		East <input type="checkbox"/>							
	SW <input type="checkbox"/>	South <input type="checkbox"/>	SE <input type="checkbox"/>							
	OF:									
	RN18822.									

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)

The bore has a Jackson padlock attached to the bore cap.

Water Samples and Depths:- 158m, EC- 1826, PH- 7.64, Sample bottle No 5.

This bore was constructed with 219mm steel casing to 100.00 m, then drilled onto 161.00 m. Then 100mm PVC was inserted into the bore and gravel packed over the perforations.

The bottom of the 100mm PVC is blanked off with a 100mm PVC end 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.

I McMasters - 24

Name and licence number of driller:

I McMasters - 24

Signature and licence number of licensed driller:

Date: 28 / 4 / 2014

FOR OFFICIAL USE ONLY

How Located: GPS ☒ TST ☐ Survey ☐ Hand Plotted ☐ Other ☐

DESCRIPTION OF PROPERTY:

Rural ☐ Mineral ☐ Pastoral ☒ Reserve ☐ VCL ☐ Other ☐

Lease No: 1030

Lot No:

Hundred of:

Portion No: 725

Section No:

Town of:

Class of Bore: Town ☐ Domestic ☐ Investigation ☒ Agriculture ☐ Mineral ☐ Pastoral ☐ Other ☐

Use of Bore: Production ☐ Investigation ☐ Irrigation ☐ Observation ☐ Monitoring ☒ Roads ☐ None ☐

Grid Reference:

AMG ☒

Clark ☐

Zone: 53

Scale: 1:250000

Easting: 362053

Latitude:

Map Name: ALCOOTA

Northing: 7506941

Longitude:

Index Map Number: 21 / SF53-10

738

Date Registered: 16/5/14

Bore Plotted on the map?

Yes ☒

No ☐

Dept Officer: N. GIBBONS

Signature: Ng

Remarks: RN018921