NSW GOVERNMENT Office of Water

Form A Particulars of completed work

Driller's Licence No:	1	Work Licence No:	2
Class of Licence:		Name of Licensee:	
Driller's Name:		Intended Use:	
Assistant Driller:		Completion Date:	
Contractor:			
New bore		Replacement bore	
Deepened		Enlarged	
Reconditioned		Other (specify)	
Final Depth	m		

DRILLING DETAILS 3

From (m)	To (m)	Hole Diameter (mm)	Drilling Method See Code 3

WATER BEARING ZONES 4

From (m)	To (m)	Thickness (m)	S W L (m)	Estimated Yield (L/s)		Test method		D D L at end of test (m)	Duration		Salinity (Conductivity or TDS)	
				Individual Aquifer	Cumulative	See Code 4			Hrs	min	Cond (µS/cm)	TDS (mg/L)

CASING / LINER DETAILS 5

Material Code 5	OD (mm)	Wall Thickness (mm)	From (m)	To (m)	Method Fixing Code 5

Casing support method — See Code 5

Type of casing bottom — See Code 5

Centralisers installed {Yes/No} (indicate on sketch)

Sump installed {Yes/No} From m To m

Pressure cemented {Yes/No} From m To m

Casing Protector cemented in place

WATER ENTRY DESIGN 6

General							Screen	Slot Details		
Material Code 5	OD (mm)	Wall Thickness (mm)	From (m)	To (m)	Opening type See Code 6	Fixing See Code 5	Aperture (mm)	Length (mm)	Width (mm)	Alignment See Code 6

GRAVEL PACK 7

Type		Grade		Grain size (mm) From	Grain size (mm) To	Depth (m) From	Depth (m) To	Quantity Litres	Quantity m^3
Rounded		Graded							
Crushed		Ungraded							
Bentonite/Grout seal (Yes/No)									
Method of placement of Gravel Pack		See Code 7							

For Departmental use only: G W

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BORE DEVELOPMENT 8

Chemical used for breaking down drilling mud (Yes/No)		Name:	

Method	Bailing/Surging		Jetting		Airlifting		Backwashing		Pumping		Other:	
Duration		hrs		hrs		hrs		hrs		hrs		hrs

DISINFECTION ON COMPLETION 9

Chemical(s) used	Quantity applied (Litres)	Method of application

PUMPING TESTS ON COMPLETION 10

Test type		Date	Pump intake depth (m)	Initial Water Level (SWL) (m)	Pumping rate (L/s)	Water Level at end of pumping (DDL) (m)	Duration of Test (hrs)	Recovery		
								Water level (m)	Time taken (hrs)	(mins)
Multi stage (stepped drawdown)	Stage 1									
	Stage 2									
	Stage 3									
	Stage 4									
Single stage (constant rate)										

Height of measuring point above ground level		m	Test Method		See Code 4	

WORK PARTLY BACKFILLED OR ABANDONED 11

Original depth of work:	m	Is work partly backfilled: (Yes/No)	

Is work abandoned: (Yes/No)		Method of abandonment:	Backfilled		Plugged		Capped	

Has any casing been left in the work (Yes/No)		From	m	To	m

Sealing / fill type See Code 11	From depth (m)	To depth (m)	Sealing / fill type See Code 11	From depth (m)	To depth (m)

Site chosen by:	Hydrogeologist		Geologist		Driller		Diviner		Client		Other		12

Lot No		DP No		13

Work Location Co ordinates	Easting		Northing		Zone	
GPS: (Yes/No)		>>	AMG/AGD		or MGA/GDA		(See explanation)

Please mark the work site with "X" on the CLID provided map.

Indicate also the distances in metres from two (2) adjacent boundaries, and attach the map to this Form A package.

Signatures:

Driller: ----------

Date: ----------

Licensee: ----------

Date: ----------

Work Licence No:

DRILLER'S ROCK/STRATA DESCRIPTION (LITHOLOGY)

15

Depth From (m)	Depth To (m)	Description (See Code 15)
0		

WORK CONSTRUCTION SKETCH

WORK NOT CONSTRUCTED BY DRILLING RIG

16

Method of excavation: Hand dug ☐ Back hoe ☐ Dragline ☐ Dozer ☐ Other

Depth (m)	Length (m)	Width (m)	Diameter (m)	Lining material	Dimentions of liner (m)	From Depth (m)	To Depth (m)

Please attach copies of the following if available

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Geologist log	(Yes/No) ☐	Laboratory analysis of water Sample	(Yes/No) ☐	Pumping test(s)	(Yes/No) ☐
Geophysical log	(Yes/No) ☐	Sieve analysis of aquifer material	(Yes/No) ☐	Installed Pump details	(Yes/No) ☐

CODE TABLES

DRILLING METHOD 3

1	Auger - Hollow Flight	**9**	Rotary - Percussion - (Down Hole Hammer)
2	Auger - Solid Flight	**10**	Rotary - Percussion - Foam injection
3	Cable Tool - Drill and Drive Casing	**11**	Rotary - Reverse circulation - Air
4	Cable Tool - Mud stabilised	**12**	Rotary - Reverse circulation - Mud
5	Rotary Air	**13**	Rotary - Coring
6	Rotary - Air/foam	**14**	Jetted - Air
7	Rotary - Mud	**15**	Jetted - Water
8	Rotary - Water	**16**	Other - See page 2, N0 11

WATER BEARING ZONE 4

TEST METHOD				FLOW MEASURING DEVICE			
1	Airlift	**6**	Pump - Helical Rot	**A**	Container of known volum	**F**	Weir - Rectangular
2	Bailer	**7**	Pump - Jet	**B**	Flow meter	**G**	Weir - V Notch - 60º
3	Pump - Centrifugal	**8**	Pump - Turbine	**C**	Flume	**H**	Weir - V Notch - 90º
4	Pump - Cylinder	**9**	Freeflow	**D**	Orifice, plate & manomete	**I**	Other
5	Pump - Electric submersib			**E**	Ultra sonic meter		

CASING / LINER DETAILS 5

MATERIAL						METHOD OF FIXING			
1	A.B.S.	**6**	PVC - Class 12	**11**	Steel - Stainless	**1**	Glued	**6**	Welded - Butt
2	Aluminium	**7**	PVC - Class 15	**12**	Steel - Stainless 304	**2**	Kwik-lock	**7**	Welded - Colla
3	Concrete cylinder	**8**	PVC - Class 18	**13**	Steel - Stainless 316	**3**	Packer	**8**	Other
4	Fibre glass (FRP)	**9**	Steel - ERW	**14**	Other	**4**	Riveted		
5	PVC - Class 9	**10**	Steel - Galvanised			**5**	Screwed		

CASING SUPPORT METHOD

1	Driven into small hole	**5**	Held in clamp
2	Seated on bottom	**6**	Other
3	Seated on backfill		
4	Cemented		

TYPE OF CASING BOTTOM

1	Open end	**5**	Casing shoe
2	End cap	**6**	Wash down shoe
3	Plug - concrete	**7**	Cementing shoe
4	Plug - wood	**8**	Other

WATER ENTRY DESIGN 6

OPENING TYPE				SLOT ALIGNMENT	
1	Casing - Bridge slot	**7**	Casing - Plasma-cut slot	**D**	Diagonal
2	Casing - Drilled holes	**8**	Casing - Perforated in hole	**H**	Horizontal
3	Casing - Hand sawn slot	**9**	Screen - gauze / mesh	**V**	Vertical
4	Casing - Louvre slot	**10**	Screen - round wire		
5	Casing - Machine slotted	**11**	Screen - wedge wire		
6	Casing - Oxy cut slot				

For MATERIAL and FIXING Codes Please refer to CASING DETAILS code table

GRAVEL PACK - METHOD OF PLACEMENT 7

1	Poured or shovelled into annul	**2**	Placed through tremie pipe	**3**	Reverse circulated

WORK PARTLY BACKFILLED OR ABANDONED - SEALING MATERIAL 11

1	Cement grout	**3**	Bentonite	**5**	Clay	**7**	Gravel
2	Concrete	**4**	Drilled cuttings	**6**	Sand	**8**	Coarse stone

DRILLER'S ROCK STRATA DESCRIPTION 15

Reporting sequence	1 Rock type	2 Colour	3 Grain size	4 Texture
Example	Sandstone	Dk Grey	mg	Fractured

To save confusion, write the *full name of colour and abbreviate i*
following: light = lt, dark = dk, fine grained = fg,
medium grained = mg, coarse grained = cg. *Texture can relate*
weathered, fractured, broken, hard, soft etc.