Appendix 2 Bore completion reports for new bores

Form GW4
April 1990

(60248)

Rural Water Commission of Victoria
WATER ACT 1989
BORE COMPLETION REPORT

(4.5m hole adjacent)

BORE CONSTRUCTION LICENCE NO.
Report in site A ☐ B ☐ C ☐ ☐

OFFICE USE ONLY
BORE NUMBER
GOVERNMENT RIG NUMBER
BORE USES 1 ☐ 2 ☐
ADJACENT BORE (if present)

Name of Plant Operator: Wayne Tranter
Bore Owner: Nat. Resources + Environment
Date Commenced: 17 / 9 / 02 Date Completed: 17 / 9 / 02 Total Depth: 17.5 (m)
Was Bore Abandoned? Y/N ☐ If Yes, state method

1. DRILLING AND WATER INTERSECTION DETAILS

DRILLING TECHNIQUE				WATER INTERSECTIONS (while drilling, measurements taken from natural surface)									OFFICE USE ONLY	
Method	From (m)	To (m)	Bit Diam (mm)	From (m)	To (m)	Test method	Static level (m)	Estimated yield (l/sec)	Draw down (m)	Casing at test (m)	Depth at test (m)	EC at 25°C (µS/cm)	Water sample label number	Lithology
Gemco	0	17.5	125	14	17.5									

2. CASINGS (CA) SCREENS (SC) SLOTS (SL) OPEN HOLE (OH)

GENERAL			CASING		SCREENS/SLOTS						OFFICE USE ONLY
Type CA SC SL OH	From (m)	To (m)	Size (mm)	Material	Material	Inner diam (mm)	Outer diam (mm)	Aperture (mm)	Filter Y/N	Trade name	Lithology
CA ✓	0	17.5	50	PVC							
SL ✓	14.5	17.5			PVC	50		0.5	N	IMPLEX	

WELL HEAD FITTINGS — Casing Shoe Y/N ☐ Bullnose/endcap Y/N Y

3. CEMENT (C) BENTONITE (B) SEALS (S) PACKERS (P) GRAVEL (G)

Material – C B S P G	From (m)	To (m)	Cement (bags)	Water (litres)	Seal/Packer type	Outer diam of seal (mm)	Artificial Gravel Packing Method of placement	Gravel size mesh passing (mm)
B ✓	13.5	14.5						
G ✓	14.5	17.5						2 – 3

4. FINAL BORE DEVELOPMENT

Method	Yield (l/sec)	Draw down (m)	Pumping time	Recovery time	Final Static Level (m)	EC at 25°C (µS/cm)	OFF. USE ONLY Water sample label number

5. DRILLER'S PUMPING TEST

Method	Static level (m)	Yield (l/sec)	Pumping level (m)	Draw down (m)	Pumping time	Recovery time	EC at 25°C (µS/cm)	OFF. USE ONLY Water sample label number

6. IF NOT A DRILLED BORE

Type	Length (m)	Width (m)	Diam (m)	Lining material	From (m)	To (m)

7. SAMPLES

Have material samples been taken? Yes ☑ No ☐ — If yes: From 0 (m) To 17.5 (m)
Have water samples been taken? Yes ☐ No ☑
Samples taken by – Bore Owner ☐ Driller ☑ Project Geologist ☐

Driller's Name: Wayne Tranter Driller's Licence No. 580
Driller's signature: [signature] Date: 17.9.02

RWC COPY – To be sent to RWC within 7 days of completion of bore.

8. DRILLER'S LOG

Material	From (m)	To (m)
gravel / course sand	0	4
Damp clay / course sand – wet	3	4
white clay – fine dry	4	7
grey / brown clay fine	7	14
damp clay – mud	14	17.5
* making good water *		

Form GW4
April 1991

Bore 60249

Rural Water Commission of Victoria
WATER ACT 1989
BORE COMPLETION REPORT

BORE CONSTRUCTION LICENCE NO.

Report on site A B C

OFFICE USE ONLY
BORE NUMBER
GOVERNMENT RIG NUMBER
BORE USES 1 2
ADJACENT BORE (If present)

Name of Plant Operator: Wayne Trantec

Bore Owner: Nat. Resources + Environment

Date Commenced: 12./9./02 Date Completed: 17./9./02 Total Depth: 17.5 m

Was Bore Abandoned? Y/N [N] If Yes, state method:

1. DRILLING AND WATER INTERSECTION DETAILS

DRILLING TECHNIQUE				WATER INTERSECTIONS (while drilling, measurements taken from natural surface)									OFFICE USE ONLY	
Method	From (m)	To (m)	Bit Diam (mm)	From (m)	To (m)	Test method	Static level (m)	Estimated yield (l/sec)	Draw down (m)	Casing at test (m)	Depth at test (m)	EC at 25°C (µS/cm)	Water sample label number	Lithology
Sensio	0	17.5	125	12	17									

2. CASINGS (CA) SCREENS (SC) SLOTS (SL) OPEN HOLE (OH)

GENERAL						CASING		SCREENS/SLOTS						OFFICE USE ONLY
Type CA	SC	SL	OH	From (m)	To (m)	Size (mm)	Material	Material	Water slam (mm)	Outer slam (mm)	Aperture (mm)	Filter Y/N	Trade name	Lithology
✓				0	17	50	PVC							
		✓		14	17			PVC	50		0.5	N	IMPLEX	

WELL HEAD FITTINGS — Casing shoe Y/N [ ] Bullnose/ endcap Y/N [Y]

3. CEMENT (C) BENTONITE (B) SEALS (S) PACKERS (P) GRAVEL (G)

Material – C	B	S	P	G	From (m)	To (m)	Cement (bags)	Water (litres)	Seal/Packer type	Outer diam of seal (mm)	Artificial Gravel Packing Method of placement	Gravel size mesh/passing (mm)
	✓				13	14						
				✓	14	17						2 - 3

4. FINAL BORE DEVELOPMENT

Method	Yield (l/sec)	Draw down (m)	Pumping time	Recovery time	Final Static Level (m)	EC at 25°C (µS/cm)	OFF. USE ONLY Water sample label number

5. DRILLER'S PUMPING TEST

Method	Static level (m)	Yield (l/sec)	Pumping level (m)	Draw down (m)	Pumping time	Recovery time	EC at 25°C (µS/cm)	OFF. USE ONLY Water sample label number

6. IF NOT A DRILLED BORE

Type	Length (m)	Width (m)	Diam (m)	Lining material	From (m)	To (m)

7. SAMPLES

Have material samples been taken? Yes [✓] No [ ] — If yes From 0 (m) To 17.5 (m)

Have water samples been taken? Yes [ ] No [✓]

Samples taken by – Bore Owner [ ] Driller [✓] Project Geologist [ ]

Driller's Name: Wayne Tranter Driller's Licence No. 530

Driller's signature: Wayne Tranter Date: 17./9./02

RWC COPY – To be sent to RWC within 7 days of completion of bore.

8. DRILLER'S LOG

Material	From (m)	To (m)
dry clay + some small rocks	0	3
damp, smooth clay		
orange / brown	3	12
very smooth wet clay		
orange / brown	12	17.5
* making very * good water		

Form GW4
April 1991

Bore 60251

approx. 5 km E of Lexton

Rural Water Commission of Victoria

WATER ACT 1989

BORE COMPLETION REPORT

BORE CONSTRUCTION LICENCE NO.

Report on site A ☐ B ☐ C ☐ ☐

Name of Plant Operator: Wayne Tranter

Bore Owner: Nat. Resources + Environment

Date Commenced: 16/9/02 Date Completed: 18/9/02 Total Depth: 22 (m)

Was Bore Abandoned? Y/N [N] If Yes, state method:

OFFICE USE ONLY

BORE NUMBER:

GOVERNMENT BIS NUMBER:

BORE USES 1: 2:

ADJACENT BORE (If present):

1. DRILLING AND WATER INTERSECTION DETAILS

DRILLING TECHNIQUE				WATER INTERSECTIONS (while drilling, measurements taken from natural surface)									OFFICE USE ONLY	
Method	From (m)	To (m)	Bit Diam (mm)	From (m)	To (m)	Test method	Static level (m)	Estimated yield (l/sec)	Draw down (m)	Casing at test (m)	Depth at test (m)	EC at 25°C (µS/cm)	Water sample label number	Lithology
Geco	0	22	125	17	22									

2. CASINGS (CA) SCREENS (SC) SLOTS (SL) OPEN HOLE (OH)

GENERAL					CASING		SCREENS/SLOTS						OFFICE USE ONLY
Type CA	SC	SL	OH	From (m)	To (m)	Size (mm)	Material	Material	Inner diam (mm)	Outer diam (mm)	Aperture (mm)	Filter Y/N	Trade name	Lithology
✓				0	19	50	PVC							
		✓		19	22			PVC	50		0.5	N	Leplok	

WELL HEAD FITTINGS: Casing shoe Y/N ☐ Bullnoser endcap Y/N [Y]

3. CEMENT (C) BENTONITE (B) SEALS (S) PACKERS (P) GRAVEL (G)

Material – C	B	S	P	G	From (m)	To (m)	Cement (bags)	Water (litres)	Seal/Packer type	Outer diam of seal (mm)	Artificial Gravel Packing Method of placement	Gravel size mesh passing (mm)
	✓				18	19						
				✓	19	22						2-3

4. FINAL BORE DEVELOPMENT

Method	Yield (l/sec)	Draw down (m)	Pumping time	Recovery time	Final Static Level (m)	EC at 25°C (µS/cm)	OFF. USE ONLY Water sample label number

5. DRILLER'S PUMPING TEST

Method	Static level (m)	Yield (l/sec)	Pumping level (m)	Draw down (m)	Pumping time	Recovery time	EC at 25°C (µS/cm)	OFF. USE ONLY Water sample label number

6. IF NOT A DRILLED BORE

Type	Length (m)	Width (m)	Diam (m)	Lining material	From (m)	To (m)

7. SAMPLES

Have material samples been taken? Yes [✓] No ☐ If yes From 0 (m) To 22 (m)

Have water samples been taken? Yes ☐ No [✓]

Samples taken by – Bore Owner ☐ Driller [✓] Project Geologist ☐

Driller's Name: Wayne Tranter Driller's Licence No. 530

Driller's signature: Wayne Tranter Date: 18/9/02

RWC COPY – To be sent to RWC within 7 days of completion of bore.

8. DRILLER'S LOG

Material	From (m)	To (m)
dry clay / silt brown / orange	0	8
clay – brown same moisture	8	17
damp clay	17	22
* did not bring up good water on mud, but is making water approx 17 m ?		

Form Gen/F
April 1998

Rural Water Commission of Victoria

WATER ACT 1989

Bore 60252

BORE COMPLETION REPORT

BORE CONSTRUCTION LICENCE NO.

Report on site A B C

OFFICE USE ONLY
BORE NUMBER
GOVERNMENT REG NUMBER
BORE USES 1 2
ADJACENT BORE (If present)

Name of Plant Operator: Wayne Trenker

Bore Owner: Nat. Resources + Environment

Date Commenced ..../..../..... Date Completed ..../..../..... Total Depth ..... m

Was Bore Abandoned? Y/N ☐ If Yes, state method .....

1. DRILLING AND WATER INTERSECTION DETAILS

DRILLING TECHNIQUE				WATER INTERSECTIONS (while drilling, measurements taken from natural surface)									OFFICE USE ONLY	
Method	From (m)	To (m)	Bit Diam (mm)	From (m)	To (m)	Test method	Static level (m)	Estimated yield (l/sec)	Draw down (m)	Casing at test (m)	Depth at test (m)	EC at 25°C (µS/cm)	Water sample label number	Lithology
Geneo	0	16	125	12	16									

2. CASINGS (CA) SCREENS (SC) SLOTS (SL) OPEN HOLE (OH)

GENERAL				CASING		SCREENS/SLOTS						OFFICE USE ONLY
Type CA SC SL OH	From (m)	To (m)		Size (mm)	Material	Material	Inner diam (mm)	Outer diam (mm)	Aperture (mm)	Filter Y/N	Trade name	Lithology
✓	0	13		50	PVC							
✓	13	16				PVC	50		0.5	N	IPLEX	

WELL HEAD FITTINGS — Casing shoe Y/N ☐ Bullnose/endcap Y/N ☑

3. CEMENT (C) BENTONITE (B) SEALS (S) PACKERS (P) GRAVEL (G)

Material – C B S P G	From (m)	To (m)	Cement (bags)	Water (litres)	Seal/Packer type	Outer diam of seal (mm)	Artificial Gravel Packing Method of placement	Gravel size mesh passing (mm)
✓	12	13						
✓	13	16						2–3

4. FINAL BORE DEVELOPMENT

Method	Yield (l/sec)	Draw down (m)	Pumping time	Recovery time	Final Static Level (m)	EC at 25°C (µS/cm)	OFFICE USE ONLY Water sample label number

5. DRILLER'S PUMPING TEST

Method	Static level (m)	Yield (l/sec)	Pumping level (m)	Draw down (m)	Pumping time	Recovery time	EC at 25°C (µS/cm)	OFFICE USE ONLY Water sample label number

6. IF NOT A DRILLED BORE

Type	Length (m)	Width (m)	Diam (m)	Lining material	From (m)	To (m)

7. SAMPLES

Have material samples been taken? Yes ☑ No ☐ — If yes From 0 m To 16 m

Have water samples been taken? Yes ☐ No ☑

Samples taken by – Bore Owner ☐ Driller ☑ Project Geologist ☐

Driller's Name: Wayne Trenker Driller's Licence No. 538

Driller's signature: Wayne Trenker Date 18.9.02

RWC COPY – To be sent to RWC within 7 days of completion of bore.

8. DRILLER'S LOG

Material	From (m)	To (m)
dry clay/gravel	0	4
heavy brown clay - damp	4	7
fine dry clay orange/brown	7	12
damp clay Fine in texture	12	16
* Making good water		