THE NORTHERN TERRITORY OF AUSTRALIA
Control of Waters Act

FINAL STATEMENT OF BORE

RECEIVED
0 3 FEB 1997
GROUNDWATER DATA

NAME OF OWNER : FAHRI BASAEAR
NAME OF BORE : 2/96
INTENDED USE : IRRIGATION
LOCATION : NEUTRAL JUNCTION

REGISTRATION No : 16933
INDEX/MAP No : 33/216
ADVICE No :
PERMIT No :

From	To	Particulars of strata
0	3	SAND
3	6	GRAVELY CLAY
6	24	SANDY CLAY
24	50	COASE SAND & GRAVELS
●	55	CALCRETE
55	61.5	CLAY

Name of Contractor : GORLEY & COLE
Name of Driller : M. TOMLIN
Date Commenced : 22.11.96
Date Completed : 22.11.96
Depth Drilled : 61.5 (m)
Completion Depth : 61.5 (m)

METHOD OF DRILLING
☑ Rot. ☐ Rev. Circ. ☐ Cable ☐ Others

HOLE DIAMETER			DRILLING FLUID
From	To	Diameter	Type
0	6	254 mm	AIR
6	61.5	203 mm	AIR/FOAM

PARTICULARS OF CASING				PARTICULARS OF PERFORATIONS OR SCREEN STRINGS				
From	To	Diam (ID)	Type	From	To	Diam (ID)	Aperture	Type
+.3	6	205 mm	STEEL					
+.5	61.5	150 mm	P.V.C	23	37.5	150 mm	2.5 mm	SLOTS
●				43.5	55.5	150 mm	2.5 mm	SLOTS

Casing Suspended ☐ Yes ☑ No
Method :
Height of Casing above G.L : 0.5 (m)

TOP OF PACKER SET AT : (m)
LENGTH OF PACKER : (m)
METHOD OF PACKER CONNECTION :

CEMENTING/GRAVEL PACKING			WATER BEARING BEDS								
From	To	Type	Depth (m) From	To	Yield (L/s)	SWL (m)	Duration (hr)	Quality	EC	pH	Bottle No.
			32	37.5	2	?					
			43	52	2.5						

STRATA AND WATER SAMPLES

☐ Have been ☑ Will be
Left at : P.A.W.A

Completion Yield : 4.5 (L/s) Method : AIR Duration : 2.5 (hr)
Completion SWL (G.L) : ? (m) Depth of Lift : 48 (m)

LOCATION SKETCH OF BORE	LOCATION DESCRIPTION OF BORE
	2.7 _____ ◼/km
	☐ E ☑ S ☐ SE ☐ NE
	☐ W ☐ N ☐ SW ☐ NW
	OF
	WARRABRI T'OFF
	AND 150metres EAST
	OF RN 16932

FINAL CONSTRUCTION STATUS.

☑ Capped ☐ Casing pulled ☐ Left for Observation - ☐ Abandoned

☐ Equipped ☐ Backfilled ☐ Others ( )

ADDITIONAL INFORMATION OF INTEREST ABOUT BORE PUMP 3 H5 FROM
48 METRES

Signature of Licenced Driller Craig Oldfield Date 3 / 12 / 96.

FOR OFFICIAL USE ONLY

HOW LOCATED : ☑ GPS ☐ TST ☐ SURVEY ☐ HAND PLOTTED ☐ OTHER ( )

ELEVATION OF BORE AHD : (m) From ☐ G.L ☐ TOC

DESCRIPTION OF PROPERTY

☐ Rural ☐ VCL ☐ Min ☑ Pastoral
☐ Reserve ☐ SPL ☐ E.L ☐ Other

Lease No : PPL=969 Lot No : Hundred of :
Portion No : Sect. No : Town of :

CLASS OF BORE ☐ TOWN ☐ DOM ☐ INV. ☑ AGR. ☐ MIN. ☐ PAS. ☐ OTHER

USE OF BORE ☑ PROD. ☐ INV. ☐ IRR. ☐ OBS. ☐ MON. ☐ ROAD

GRID REFERENCE ☑ AMG ☐ CLARKE Zone : 53 Scale : 1:250000

EASTING 416945 LATITUDE : MAP NAME : Bonney Well
NORTHING : 7678955 LONGITUDE : MAP NUMBER : SF 53-2

AWRC STREAM BASIN No : 1028 Major Geological Units (Name) :

GEOPHYSICAL LOG RUN YES / NO Date : / / Depth : (m)
☐ Gamma ☐ SP ☐ Camera ☐ Density

☐ Point Res. ☐ Caliper ☐ Other ( ) TEST PUMP : YES / NO

Date Registered : 3 / 2 / 97 Plotted on the map : YES / NO

Officer : R DANBY Signature :

Remarks : 16933

POWER AND WATER AUTHORITY
WATER RESOURCES
WATER CHEMISTRY LABORATORY

G.P.O. BOX 1096, Darwin N.T. 0801
Telephone: (08) 8924 6413
Facsimile: (08) 8924 6410

Bottle No.:	2126
Lab Register No.:	2254

Date Received in Lab:	Time Sampled:	Date Sampled:
28-11-96		22-11-96

R/N No.: 16933	Depth (m):	Q:	Map:	Sampler:
G.S. No.:	G.H. (m):	Q:	G.R.:	GOREY & COLE

Location: NEUTRAL JUNCTION STATION	Field Temp °C:	Field pH:	Field Cond µScm⁻¹:
HOLE 2	RSP:	Project No.: 48203A	

ANALYSIS - PHYSICAL

☐ pH	[4500-H⁺ B]	7.4	☐ Colour (Hazen units)	[2120B]	
☐ Electrical conductivity (microsiemens/cm at 25°C)	[2510B]	2190	☐ Turbidity (NTU's)	[2130B]	
☑ Total dissolved solids (mg L⁻¹ - dried at 180° C)	[2540C]	1330	☐ Suspended solids (mg L⁻¹)	[2540D]	

ANALYSIS - CHEMICAL (mg L⁻¹)

☐ Sodium, Na	[3111B]	267	☑ Chloride, Cl	[4500-Cl⁻ B]	427
☐ Potassium, K	[3111B]	48	☐ Sulphate, SO₄	[G]	210
☐ Calcium, Ca	[3111D]	70	☒ Nitrate, NO₃	[4500-NO₃⁻ B]	69
☐ Magnesium, Mg	[3111B]	53	☐ Bicarbonate, HCO₃	[2320B]	248
☑ Iron, (total) Fe	[3111B]	1.1	☐ Carbonate, CO₃	[2320B]	0
☐ Total Hardness (as CaCO₃) Calculation	[2340B]	392	☐ Hydroxide, OH	[2320B]	0
☐ Total Hardness (as CaCO₃) Titration	[2340C]		☐ Fluoride, F	[4500-F⁻ C]	0.9
☐ Total Alkalinity (as CaCO₃)	[2320B]	203	☐ NaCl (calc. from chloride)		704
☐ Silica, SiO₂	[4500-Si D]	55	☐ Dissolved Oxygen	[4500-O-C]	

ANALYSIS - ADDITIONAL (mg L⁻¹)

☐ Copper, Cu	[3111B]	☐ Manganese, Mn	[3111B]	☐ Zinc, Zn	[3111B]
☐		☐		☐	

❖ U/S DENOTES UNSUITABLE FOR ANALYSIS   C1   38764   1996-1226   # 11

❖ I/S DENOTES INSUFFICIENT SAMPLE

❖ F DENOTES FILTRATE ANALYSIS

❖ T DENOTES TOTAL ANALYSIS

This report relates specifically to the "sample tested as received".	DATE: 9 DEC 1996
The test methods used (denoted within brackets) refer to the 1992 18th edition of "Standard Methods for the examination of Water and Wastewater", A.P.H.A. Except [G] which refers to the method of R. Goguel, Anal. Chem. 1969, 41, 1034.	CHECKED: KRon
	SIGNATORY: E.G.

Boxes marked thus indicate:	☐	Levels are within the limits as quoted in the "Guidelines for Drinking Water Quality in Australia". 1987 N.H. & M.R.C. and the A.W.R.C.
	☑	Levels exceed non-health related limits.
	☒	Levels exceed health related limits.

GPS FIELD SHEET.

Trimble Ensign

DATE _26-11-96_ CST _1220_ OPERATOR _R. DARBY_ DATUM _AGD-66_

BORE / STN _16433_ LOCATION _NEUTRAL JUNCTION_

MAP # _SF 53-2_ MAP NAME _BONNEY WELL_

Switch on .... **SETUP** till POS filtering? .. appears .. **EDIT** ..

↑ or ↓ till required number appears in brackets (15) **EDIT** .. **POS**

UTM _53_ _417155_ E

K _2678958_ N

ALT _450_ m

PDOP _3.7_

SETUP ...... till Satellite data? ...appears

EDIT EDIT .... summary screen appears:-

SAT#	L/S/O	EL	AZM	URA
05 ←	L	69	114	32
06 ←	L	36	231	32
10 ←	L	32	79	32
17 ←	L	23	318	32

If more sats were used **EDIT** for extra summary screen.

If more than four sats tracked a ← indicates sats used for position.

POS ..To return to position reading

BM 139 NTS

BORE INSPECTION REPORT.

RN: _16933_   INDEX: _33 / 216_   BORE CONDITION: _oh_

NAME: _____ (Prod) _____

LOCATION: _150m East of RN 16932_ _____

_____

CADASTRAL: _Neutral Junction_ ____ LEASE: _PPL=969_ _____

LOCATION PRECISION: _4_ AWRC BASIN #: _1028_ ____

BORE & SAMPLING DETAILS:-

DISCHARGE: _____ L/s DEPTH SAMPLED: _____ m METHOD: _____

SAMPLE #: _____ & _____ TIME: _____ DATE: _____

TEMPERATURE: ___°C PH: ___ CONDUCTIVITY: _____ OTHER: _____

SWL: _____ m TOTAL DEPTH: _____ m USE: _____

CASING ABOVE GROUND: _0.5_ m TAG LOCATION: _Richer_

COMMENTS & EQUIPMENT: _8" Collar & 6" PVC Liner capped_

To Waurabu

2.7km

100m   150m

16932   16933

To AH