

PARTICULARS OF COMPLETED BORE/WELLRegistration No. 21,047Index No 80/1978

Advice No

20. Describe rock type, colour etc.
any changes must be recorded.

From - To

0 - 3m Red sandy clay

3 - 6m Red & white clay

6 - 12.2m Yellow & white clay

12.2 - 18.1m Yellow & white clay
- some laterite

18.1 - 23.8m Red & white sandy clay

23.8 - 30.1m White sandy clay
o/stone & quartz30.1 - 36.2m Pink & white sandy
clay - some quartz36.2 - 42.4m Pink, yellow & white
clay - some quartz42.4 - 67.3m Yellow & white clay
some quartz

67.3 - 79.4m Dolomite

21047 CL TOC 10" Casing

1978 30.92 6" 31.45 30.96

21. Sample of strata and water
have been ~~will be left at~~
Darwin ~~Katherine~~
~~Alge Springs~~ Other.....

1. Name of Bore

MC MINNS 2/82

3. Owner of Property

2. Name of Property

KOOCH PINYAH

5. Lease/Block No.

4. Type of Lease

PASTORAL

6. Bore or Well

BORE

7. Name of Contractor

WATER DIV

8. Name of Driller

I. BROUGHTON

9. Depth Recorded

10. Depth Drilled.

79.4m

11. Date Commenced

23-7-82

12. Date Completed.

27-7-82

13. Proposed use of Bore ☐ Domestic☐ Pastoral ☐ Stock Route ☐ Irrigation☐ Town Supply ☐ Observation ☒ Investigation14. Bore has been drilled by ☒ Rotary☐ Cable Tool ☐ Jetting ☐ Other15. Bore Drilled Using ☒ Air ☒ Mud☒ Foam ☐ Water ☐ Degradable Polymer

Size of drilling Bit. 8" from 0 to 67.9m.

5 1/2" from 67.9 to 79.4m.

16. Casing Installed ☐ Steel ☐ ABS ☒ PVC☐ Fibreglass ☐ Other.....

...2" Dia from 0 to 79.4m.

.....Dia from..... to.....

Threaded

Welded

17. Screens ☒ None installed☐ Stainless Steel ☐ Bronze ☐ PVC

Dia.....Slot Size.....From.... to.....

Dia.....Slot Size.....From.... to.....

Screens are Screwed connected by Pack

18. Perforation in casing ☐ Percussion Slotted☐ Oxycut ☒ Drilled Other.....

Slot/hole size. 1/4" From 73.3m to 79.4m

Slot.hole size.....From..... to.....

19. Is any strata cemented off ☐ Yes ☐ No

If so, give depth to

22. WATER

1st Supply

2nd Supply

3rd Supply

4th Supply

5th Supply

Remarks

Struck at

67.9m

Standing Water
Level

67.5m

Discharge

Seepage

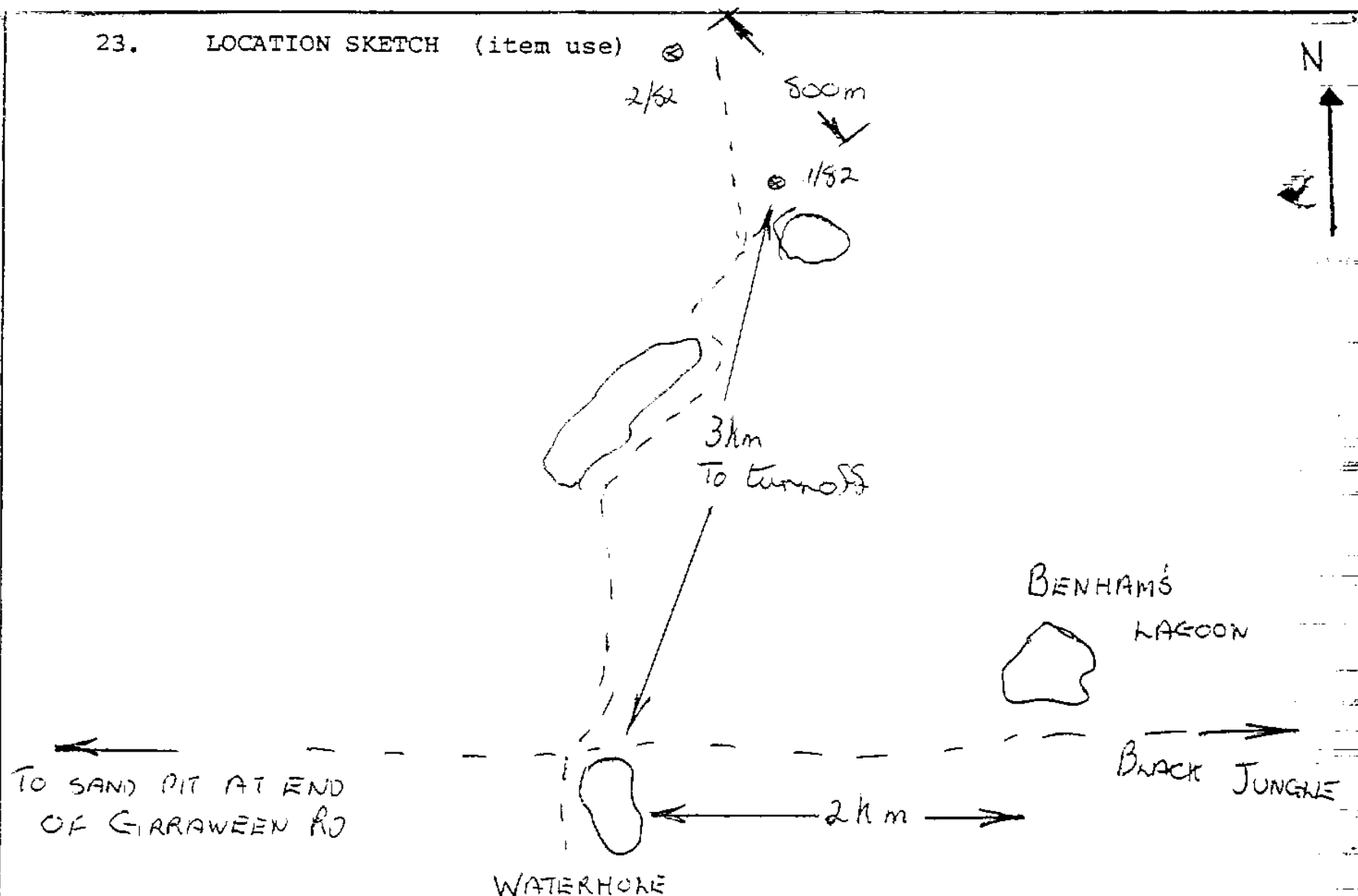
Duration of
Test

While Drilling



RN021047

23. LOCATION SKETCH (item use)



Please show boundaries of sections etc, and location of bore(s) within section. If more than one bore clearly identify each. Marked distance from boundaries if possible.

24. This bore has been constructed under by supervision and this report is true to the best of my knowledge.

Signature... *R. Setchell* ...Driller Date... *27.7.82*

PLEASE NOTE THE FOLLOWING:-

1. UNITS If possible please use metric units (metres, Millimetres, litres per second). Old units are acceptable (feet, inches, gallons per hour) but make sure you make it clear which you are using.
2. WATER SAMPLES A sample of not less than one litre of each water supply encountered during the drilling is required. Suitable plastic bottles can be obtained from the Water Resources Branch. Please rinse out all bottle properly before sampling. Completely fill the bottle leaving no entrapped air. Please label the bottle with the bore name and depth of supply.
3. STRATA SAMPLES A sample of not less than 0.2 kilograms of each 3m of stratum encountered during drilling is required. Please label all samples with the hole name and interval drilled. Plastic bags and tags can be obtained from Water Division.
4. LOCATION Please describe the location as accurately as possible giving distances from one or more features (such as other bores, dams, etc.) within a close distance. Preferably give a sketch of the area.

26. OFFICE USE ONLY:

Map No: *5172* ... *NOONAMAH* ... *E.O. 1* ... Plotted on Map Date: ... *10/8/82* ...

AMG Co-ordinates: *346170* ... *1:100,000* ... Traced to Master Map Date: ... *10/8/82* ...

Datum (A.H.D.): ... Checked by: ... *[Signature]* ... Date: ...

Geological Basin: ... Signature (Bore Inspector) Date: ...

GEOPHYSICAL DOWN HOLE LOGGING

OPERATOR	AS.M.
DATE	29/11/83
GAMMA RAY	5/8/1
RESISTIVITY	
S. P.	
CALIPER	
TEMP.	
GAMMA GAMMA	

80/1978
RN21047.

WR 9/1

DRILLERS LOG

DATE Fri 23-7-82

BORE No. M^cMinns 2/82 21047

Driller: I Broughton

Time	Depth	Feet drilled	Mins lapsed	Drillers remark, casing details	BIT DATA				STRING DATA				MUD DATA	
					No.	Size	Type	Worn cond'n	Item	O.D.	Length	Prog. tally		
0730				Service rig										
				Run 1.9m of 10" casing & cement										
				Make up 8" drag bit		8"	Drag bit		Bit	8"	0.40	0.90		
0930				Commence drilling					D.P.	4 1/2"	6.10	7.00		
0936	6.00	6.0	6	Red sandy clay - 3m Red & white - 6m					D.C.	5 1/2"	6.20	13.20		
0944				Add 5 1/2" D.C. & cont										
0956	12.2	6.2	10	Yellow & white clay					D.C.	5 1/2"	5.90	19.10		
1000				Add 5 1/2" D.C. & cont.										
1009				hole blocked - change to mud									4 Quik gel	
1228				Clean out hole										
1231				Continue drilling									2 Quik gel	
1252	15.5	3.3	21	lost mud - mix more									(2 pit)	
1303				Continue										
1310	18.1	2.6	7	Yellow & white clay - some laterite					D.C.	4 1/2"	6.06	25.16		
1315				Add 4 1/2" D.C. & cont									5 Quik gel	
1332	19.1	1.0	17	Out of mud - mix more										
1348				Continue										
1400	20.5	1.4	12	No penetration - trip out		7 3/8"	R.R.		Bit	7 3/8"	0.60	26.86		
				Trip in with 7 3/8" R.R.										
1430				Hole cased in to 9m - clean hole										
1448	20.5			Continue										
1600	23.8	3.3	72	Red & white sandy clay - Flush out hole - trip out & check bit										
1620				Bit choked up with clay - clean bit - clean up & knock off										
1630														

F. D. ATKINSON, Government Printer, Darwin

WR 9/1

DRILLERS LOG

DATE SAT 24-7-82

BORE No. M^c Minns 2/82 RN 21,047

Driller: I. Broughton

Time	Depth	Feet drilled	Mins lapsed	Drillers remark, casing details	BIT DATA				STRING DATA			MUD DATA		
					No.	Size	Type	Worn cond'n	Item	O.D.	Length	Prog. tally		
0730	23.8			Service rig		8"	Drag		Bit	8"	0.90	0.90		
				Trip in with 8" drag bit					2DC	5 1/2"	12.10	13.00		
0835				Cont drilling					2D.C	4 1/2"	12.10	25.10		
0844	30.1	6.3	9	White sandy clay, s/stone & quartz					D.P.	4 1/2"	6.10	31.20		
0848				Add rod & cont					D.P.	4 1/2"	6.10	37.30		
0855	36.2	6.1	7	Pink & white sandy clay - some quartz										
0857				Add rod & cont					D.P.	4 1/2"	6.10	43.40		
0900	40.0	3.8	3	lost circulation - mix more mud - 1/2 pit									1/2 Hydrogel	
0914				Cont										
0919	41.5	1.5	5	Out of mud - pull back - waiting on water										
1000				Cont.										
1023	42.4	0.9	23	Pink, yellow & white clay - some quartz - mix more mud										
1036				Add rod & cont.					D.P.	4 1/2"	6.10	49.50		
1042	48.5	6.1	6	Yellow & white clay - some quartz										
				Mix more mud - losing mud										
1046				Add rod & cont.					D.P.	4 1/2"	6.10	55.60		
1050	54.6	6.1	5	Yellow & white clay - some quartz - mix more mud										
1111				Add rod & cont					D.P.	4 1/2"	6.10	61.70		
1116	60.7	6.1	5	Yellow & white clay - some quartz - mix more mud										
1130				Add rod & cont					D.P.	4 1/2"	6.10	67.80		
1136	66.8	6.1	6	Yellow & white clay - some quartz - waiting on water										
1215				Add rod & cont					D.P.	4 1/2"	6.10	73.90		
				Harder at 67.3m										
1234	67.9	1.1	19	Dolomite - Flush out hole										
1245				Trip out										

DATE Sat 24-7-82

BORE No. *Mc Minn's 2/52* RN *21,047*
20725

Driller: I. Broughton

F. D. ATKINSON, Government Printer, Darwin

DATE Mon 26-7-82

BORE No

MC Minors 2/82

R.

21,04
20725

Driller :

I Broughton

F. D. ATKINSON, Government Printer, Darwin

WR 9/1

DRILLERS LOG

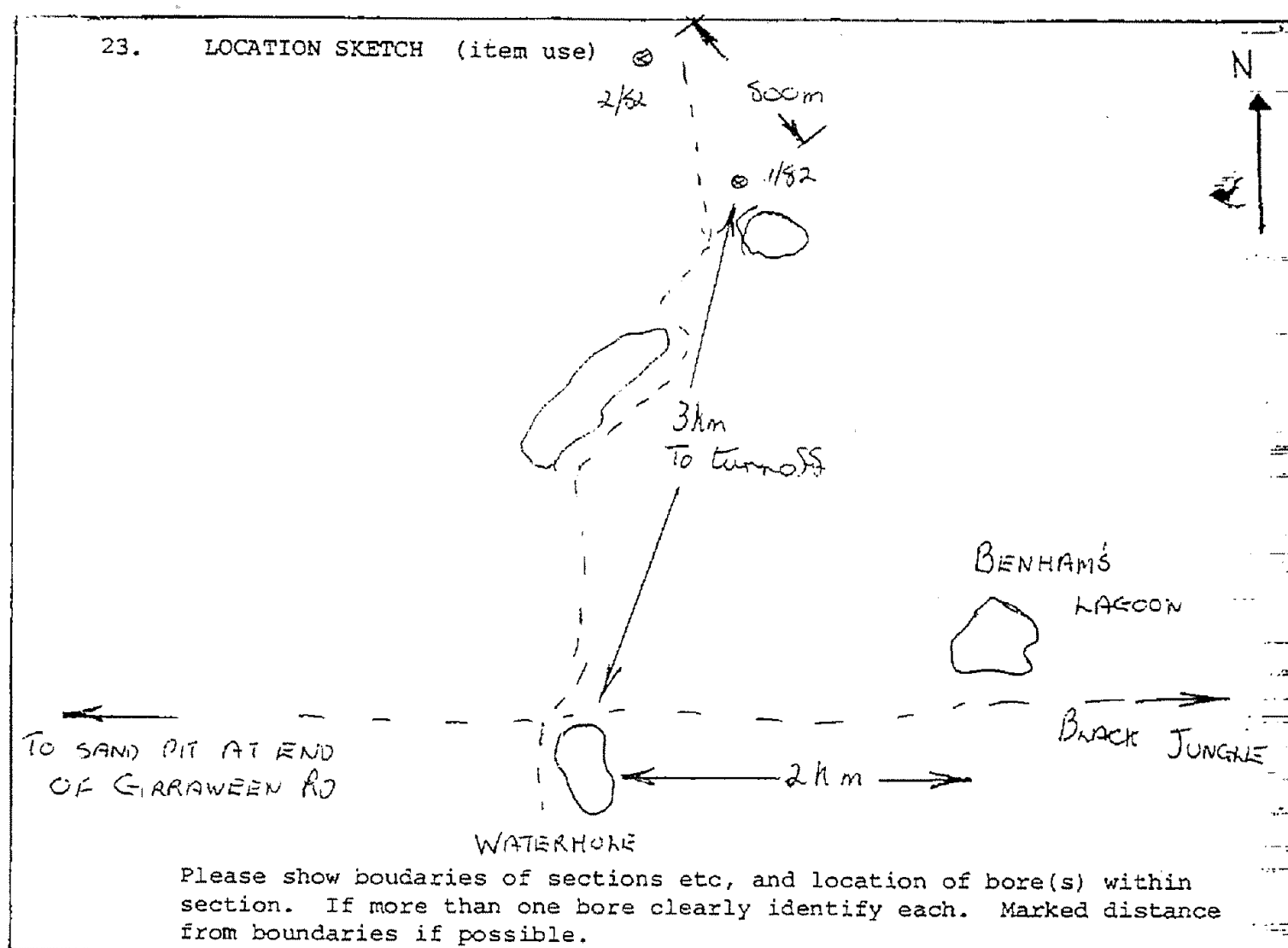
DATE Tues 27-7-82

BORE No. McMinns 2/82 RN 20725 ^{21,000}

Driller: R. Setchell

Time	Depth	Feet drilled	Mins lapsed	Drillers remark, casing details	BIT DATA				STRING DATA				MUD DATA		
					No.	Size	Type	Worn cond'n	Item	O.D.	Length	Prog. tally			
0730	68.0			Service rig		5 1/2"	Button		Bit	5 1/2"	1.20	1.20			
0800				Clean hammer & assemble					2DC	1 1/2"	12.10	13.30			
0832				Trip in with L3-15					10 D.P.	1 1/2"	61.00	74.30			
0900				Commence hammering											
0926	73.3	5.3	26	Fresh dolomite											
0928				Add rod & cont.					D.P.	1 1/2"	6.10	80.40			
1000	79.4	6.1	32	Dolomite - clean hole - seepage											
1005				Trip out											
1035				Tripped out											
1120				Start to run 79.4 m of 2" P.V.C											
1130				P.V.C parted - lost 4 lengths											
				down hole - old P.V.C cement - U.S.											
				Get another 4 lengths of P.V.C											
				& try again											
1345				P.V.C on bottom & gravel packed											
1350				Start pulling 6" steel casing											
1520				Casing out											
				Clean up site Make up											
				cap for 2" P.V.C											
1700				Move off site											
				Flow - slow } = Dred											
				S.W.L. = 67.5m }											

Bore Report RN021047



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Signature... *R. Setchell* ...Driller Date... *27-7-82*

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Datum (A.H.D.): ... Checked by: ... Date: ...

Geological Basin: ... Signature (Bore Inspector) Date: ...

735097E GDA94 GPS
8617723N ZONE: 52 R. PARROW