Regulation 8

THE NORTHERN TERRITORY OF AUSTRALIA

Control of Waters Ordinance

WR4/3

FINAL STATEMENT OF BORE IN 40/649 RN 13250.

From	To	Description of Strata
		Warramunga sediments
		3½" hole

Location of Bore (or supply sketch on the back hereof) —

3 Miles

4·8 Km.

(a) S SE of (b) Central Battery

E NW

W SW

(a) Circle appropriate direction.
(b) Use known point such as existing bore, homestead, outstation, etc.

Additional information of interest about bore.

Grid Reference 4222 8272

Map Number SE 53-14

Samples of Strata and Water Supplies

have been* will be*

left at the following place —

.....

.....

Signature

*Delete non applicable

For Office use only —

info from Mines Branch 10/81

JFW

16307.809 A. B. CAUDELL, Government Printer of the Northern Territory

NO TRACE 14/11/89. OPENCUT MINE IN OPERATION @ TIME OF VISIT.

Name of Bore — PN 6

Name of Property — Lennan & Goldfield

Description of Property — Mining lease

Name of Owner — Aust Govt

Name of Contractor — Mines Branch

Name of Driller —

Date of Commencement —

Date of Completion — 1962

Total Depth — 94 82 m.

Particulars of Casing —

Particulars of Perforations or Screens —

Water	1st Supply	2nd Supply	3rd Supply
Struck at			
Standing Water Level	64·33 m		
Pumping Supply Litres/sec	0·1 airlift.		
Duration of Pump Test			
Water Level During Test			
Quality: Good, Fair or Bad			

BORE DATA SHEET

RESIDENT GEOLOGIST'S OFFICE

Alice Springs N.T.

LOCATION

Photo 5035

Run 6

2¼ ins. N. 6¼ ins. E. from S.W. Corner

4 MILE Tennant Creek

LEASE Tennant Goldfield

BORE No. E53/14-184

NAME OF BORE P.N.6 Bore

CLASS OF BORE Investigation

SITED BY G. Barclay

DATE 1962

ELEVATION

SITUATION 3 miles E of [illegible]

DESCRIPTION OF SITE 1¾ miles E of E53/14-183.

DRILLING RESULTS

Drilled by Mines Branch

Date Drilled 1962 to

Total Depth 311'

Standing W. Level 211' date

Pump Level

WATER

	Struck at	Supply (g.p.h.)	Quality
1		* Good	
2			
3			

Present Supply g.p.h. Date

~~Casing~~ Diameter 3½ ins from to Slotted / Perforated / Screened from to

LOG OF BORE

from	to	Drillers Log	Geological Comment
		See attached sheet for description of samples.	

GEOLOGY

Remarks * Bailer test did not lower water level.

* Airlift test yielded 75 GPH.

Refer to library K16-8

E53/14-184

0– 1'	Bulldust and quartz fragments
1– 11'	Quartz fragments and soft mudstone
11– 15'	Quartz fragments, mudstone with bedding/core angle 50°, cleavage/core angle 50° in opposite sense.
15– 22'	Quartz fragments mudstone
22– 23'	Quartz fragments
23– 28'	Quartz fragments and strongly cleaved mudstone; cleavage/core angle 0° – 30°
28– 32'	Mudstone; cleavage/core angle 25°
32– 42'	Mudstone; bedding/core angle 20°, cleavage/core angle 40° in opposite sense
42– 56'	Mainly mudstone as above, some fine-grained sandstone
56– 65'	Interbedded fine sandstone and massive mudstone
65– 75'	Mudstone, some fine sandstone, occasional flow casts.
75– 97'	Interbedded fine sandstone and massive mudstone; bedding/core angle 30°, cleavage/ core angle 0° – 20c.
97–122'	Mainly fine clayey sandstone interbedded with mudstone; bedding/core angle 30°.
122–140'	Mainly mudstone interbedded with fine grained sandstone bedding/core angle 30°
140–192'	Interbedded mudstone and fine-grained sandstone; bedding/core angle 30° – 40°, cleavabe/core angle 0° in mudstone 25° – 45° in sandstone
192–252'	End of oxidised zone. Fresh, interbedded greywacke and mudstone. Bedding/core angle 30°, cleavage/core angle 30° in opposite sense occasional clay pellets in greywacke, slump structures and graded bedding.
252–261'	Fine-grained greywacke, cleavage/core angle 40°
261–276'	Massive, interbedded greywacke and mudstone.
276–309'	Mainly fine-medium grained greywacke, some mudstone, clay pellets, slump structures; bedding/core angle 40°.
309–311'	Coarse greywacke and mudstone, well developed slump structures.
END OF HOLE	STANDING WATER LEVEL AT 211 FEET. AIRLIFT TEST YIELDED 75 GALLONS/HR.

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