ALCOOTA STATION

HOMESTEAD

Bore

Field Survey Report 2006

Station & Bore Photos - Data Tables & Bore Locations

Phil Turner
Resource Data Officer
Land and Water Division
Alice Springs

First edition – 9th November 2006

Northern Territory Government
Department of Natural Resources, Environment and the Arts
Table Of Contents

1. Abbreviations
2. Work carried out

Data Tables

Bore Data Tables - Pages: 1, 2, 3
Water Sample Tables - Page: 4

Figures

Figure 1. Bore Location Map

Appendices

Bore Photos

1. RN0113691 – Bore photos (Homestead production bore)

Homestead Photos Plates

Plate – 1

Selected Bore Data Files

***
Abbreviations

RN = registered number
TD = total depth
SWL = standing water level
AGL = above ground level
Mon = monitoring
Cond = conductivity
magl = metres above ground level
mtoc = metres top of casing
b/f = back filled
n/t = no trace
n/a = no access
equ = equipped
GWP = gal water pipe
w/top = welded top
s/top = screw top
w/socket = welded socket
s/socket = screw socket
s/bung = screw bung
hrs = hours
GDA = geocentric datum of Australia
m = metres
cm = centre metres
mm = millimetres
L = litre

* * *
LIST OF WORK TO BE CARRIED OUT AT ALCOOTA
HOMESTEAD 26/09/2006

Bore survey & water monitoring

1. GPS homestead bores
2. Photograph bores
3. water samples bores and homestead supply

***
Data Tables

Bore Data Tables

Water Sample Table
<table>
<thead>
<tr>
<th>Bore</th>
<th>RN</th>
<th>Reg Number</th>
<th>Current Bore Name</th>
<th>Short Name</th>
<th>Status</th>
<th>Zone</th>
<th>Map</th>
<th>Easting Hydsys GDA94 metres</th>
<th>Northing Hydsys GDA94 metres</th>
<th>Easting Sep-06 GDA94 metres</th>
<th>Northing Sep-06 GDA94 metres</th>
</tr>
</thead>
<tbody>
<tr>
<td>RN013691</td>
<td>RN 13691</td>
<td>Alcoota Homestead Production Bore</td>
<td>Homestead Bore</td>
<td>Production bore</td>
<td>53</td>
<td>Alcoota</td>
<td>443334</td>
<td>7475852</td>
<td>443465</td>
<td>7476014</td>
<td></td>
</tr>
<tr>
<td>Bore</td>
<td>Grid Datum</td>
<td>Location Status 26th Sep 2006</td>
<td>Date Drilled</td>
<td>Depth Drilled metres</td>
<td>SWL Drilled metres</td>
<td>Depth Monitoring Date</td>
<td>Depth Mon metres</td>
<td>SWL Monitoring Date</td>
<td>Mon Time 24HR</td>
<td>SWL Mon metres</td>
<td>Casing Details</td>
</tr>
<tr>
<td>--------</td>
<td>------------</td>
<td>-------------------------------</td>
<td>--------------</td>
<td>----------------------</td>
<td>--------------------</td>
<td>----------------------</td>
<td>-------------------</td>
<td>--------------------</td>
<td>---------------</td>
<td>----------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>RN013691</td>
<td>MGA94</td>
<td>Located</td>
<td>04/07/1983</td>
<td>33.00</td>
<td>19.00</td>
<td>26/09/2006</td>
<td>equ</td>
<td>14:15</td>
<td>equ</td>
<td>203mm PVC 0 to 2m &amp; 152mm steel 0 to 33m</td>
<td></td>
</tr>
<tr>
<td>Bore</td>
<td>Casing Cap Type</td>
<td>Casing AGL metres</td>
<td>Comments</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>----------------</td>
<td>-------------------</td>
<td>---------------------------------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RN013691</td>
<td>Bore equipped with small electric submersible pump</td>
<td>0.56</td>
<td>Bore not pumping at time of inspection, the sand spears have not been in operation for some time</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Property Name</td>
<td>Water Sample Measuring Point</td>
<td>Photo Yes or No</td>
<td>Easting Sep-06 GDA94 metres</td>
<td>Northing Sep-06 GDA94 metres</td>
<td>Sampling Date</td>
<td>Time Of Sample 24HR</td>
<td>Cond. Date</td>
<td>Cond. uS/cm</td>
<td>pH</td>
<td>Comments</td>
<td></td>
</tr>
<tr>
<td>---------------</td>
<td>-----------------------------</td>
<td>----------------</td>
<td>----------------------------</td>
<td>------------------------------</td>
<td>---------------</td>
<td>---------------------</td>
<td>------------</td>
<td>-------------</td>
<td>----</td>
<td>----------</td>
<td></td>
</tr>
<tr>
<td>Alcoota Station</td>
<td>Alcoota Stn Homestead front tap</td>
<td>no</td>
<td>26/09/2006</td>
<td>14:00</td>
<td>27/09/2006</td>
<td>968</td>
<td>8.04</td>
<td>10m south Homestead, (tap at front)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

BLACK = bores completed
RED = bores not looked for or things to take note of
GRAY = bores looked for but not found
PURPLE = bores backfilled & site found
BLUE = all production bores & completed
BLUE = old production bores & completed
Figures

Location Map
Appendices

Bore Photos

Homestead Photos Plates
RN013691 (Homestead Bore)

Facing North

Facing South

Close up of Bore

Facing East

Facing West

(no new levels bore equipped with small submersible pump 26/09/2006)

Alcoota Station (Homestead)
WGS84
Easting : 443465
Northing : 7476014
Homestead production bore
(about 400m south of homestead)

26th September 2006 / Time 00:00hrs
TD : 33.00mtoc 1983
SWL : 19.00mtoc 1983
Casing AGL : 0.56magl
153mm steel casing with casing clamp
Steel plate w/socket & 50mm s/water pipe
Alcoota Station Homestead facing north 200m from RN13691 (September, 2006)
Regulation 8
THE NORTHERN TERRITORY OF AUSTRALIA
Control of Waters Act

FINAL STATEMENT OF BORE

From To

Name of Bore — P.N. 13691
Name of Property — ALGOTA
Description of Property —
Name of Owner — CATTLE STN
Name of Contractor — TOM WEBB
Name of Driller — BOWMAN G. HUGHES

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

Description of Strata (including colour and hardness) —

0 - 3 Clay
3 - 33 Broken Granite

Grid Reference 236154
Map Number 5F5310

Samples of Strata and Water Supplies have been* will be*
left at the following place — A/S

Signature

*Delete non applicable

For Office use only —

Name of Driller — TREVOR HUGHES
Date of Commencement — 4. 7. 83
Date of Completion —

Total Depth — 33

Particulars of Casing — 2" 8" P.V.C
33½ mtrs 6" Steel

Particulars of Perforations or Screens —

Water 1st Supply only 2nd Supply only 3rd Supply only

Struck at
Standing Water Level 30

Pumping Supply... 1.9
Litres/sec
Duration of Pump Test 3L/S

Water Level During Test 3D

Quality: Good, Fair or Bad

Good
<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>RN:</td>
<td>13691</td>
</tr>
<tr>
<td>INDEX:</td>
<td>21/419</td>
</tr>
<tr>
<td>BORE CONDITION:</td>
<td>Good</td>
</tr>
<tr>
<td>NAME:</td>
<td>200m STH BORE N/S</td>
</tr>
<tr>
<td>LOCATION:</td>
<td>200m STH OF WORKSHOP STORE</td>
</tr>
<tr>
<td>CADASTRAL:</td>
<td>ALLODTA</td>
</tr>
<tr>
<td>LEASE:</td>
<td>1/032</td>
</tr>
<tr>
<td>GPS SAT-NAV:</td>
<td>EL 13 V 24 CT NO 4 TIME 0955</td>
</tr>
<tr>
<td>ZONE:</td>
<td>53</td>
</tr>
<tr>
<td>EASTING:</td>
<td>443334</td>
</tr>
<tr>
<td>NORTHING:</td>
<td>7475852</td>
</tr>
<tr>
<td>LATITUDE:</td>
<td>38° 49' 38&quot; 38' 38&quot;</td>
</tr>
<tr>
<td>EASTING:</td>
<td>134° 26' 943 967</td>
</tr>
<tr>
<td>LOCATION PRECISION:</td>
<td>4. TAKEN 1/2&quot; WEST OF BORE</td>
</tr>
<tr>
<td>AWRC BASIN NUMBER:</td>
<td>1001</td>
</tr>
<tr>
<td>NAME:</td>
<td>GEORGIA</td>
</tr>
<tr>
<td>OLD GRID &amp; MAP:</td>
<td>SFS-10-226-154, ALLODTA 1250000</td>
</tr>
<tr>
<td>NEW IMP GRID COMP/CONVERSION:</td>
<td>EASTING: 226 NORTING: 154</td>
</tr>
<tr>
<td>DISCHARGE:</td>
<td>L/S</td>
</tr>
<tr>
<td>DEPTH SAMPLED:</td>
<td>(m)</td>
</tr>
<tr>
<td>METHOD:</td>
<td></td>
</tr>
<tr>
<td>SAMPLE:</td>
<td></td>
</tr>
<tr>
<td>TIME:</td>
<td></td>
</tr>
<tr>
<td>DATE:</td>
<td></td>
</tr>
<tr>
<td>TEMP:</td>
<td>oC</td>
</tr>
<tr>
<td>PH:</td>
<td></td>
</tr>
<tr>
<td>CONDUCTIVITY:</td>
<td></td>
</tr>
<tr>
<td>OTHER:</td>
<td></td>
</tr>
<tr>
<td>SWL:</td>
<td>/ / (m)</td>
</tr>
<tr>
<td>DATE:</td>
<td></td>
</tr>
<tr>
<td>TIME:</td>
<td></td>
</tr>
<tr>
<td>TOTAL DEPTH:</td>
<td>/ / (m)</td>
</tr>
<tr>
<td>CASING/WELL ABOVE GROUND BY:</td>
<td></td>
</tr>
<tr>
<td>COMMENTS &amp; EQUIPMENT:</td>
<td>B&quot; PVC SURFACE CASING &amp; 2ND CLASS 6&quot; IN</td>
</tr>
<tr>
<td></td>
<td>STEEL LINER 1/2&quot; GWP COLUMN &amp; EXC/SUB</td>
</tr>
<tr>
<td>TAG LOCATION:</td>
<td></td>
</tr>
<tr>
<td>INSPECTING OFFICER:</td>
<td></td>
</tr>
<tr>
<td>DATE:</td>
<td>14-8-91</td>
</tr>
</tbody>
</table>
Data will be updated when it comes to hand

Phil Turner
Resource Data Officer
9th November 2006