

=78113

Skidaway Island Test well 1 10/3/83.

Water level TW 1 0830 hr.

held 56.00

cut 3.37

DW MP 52.63 ft below 4" casing cplng.

4" cpl to 6" cpl 1.00 ft ~

51.63 ft below 6" casing cplng

6" cpl to LS 1.00 ~

50.63 ft below land surface

Water level TW 2 0845 hr.

held 56.00

cut 3.56

52.44 ft below 6" casing cplng

6" cpl to LS. 1.00 ~

51.44 ft below land surface

Water level TW 3 0850 hr.

held 55.00

cut 3.68

52.32 ft below 6" casing cplng.

6" cpl to L.S. 0.50 ~

51.82 ft below land surface

Skidaway test wells

Aug 16, 1983

test well. 1	54' 2"	DWLS	(700' T.D.)
2	53	✓	
3	51' 8"	✓	
4	34' 5"	✓	

Water chemistry by State EPD. - Test well 1
at 700' T.D

TDS = 624 mg/l ~??

Cl⁻ = 300

Na⁺ 200

SO₄⁼ 130

CO₃⁼ 154

R.C. Robeling well nearby - 1957 842' T.D

Cl⁻ 8 mg/L.

skidaway

22	pulse/sec	706 ft	
- 19	✓	704 ft	larger hole.
22	✓	702,0 ft	
21	✓	698	
23	✓	696	

Caliper log up the hole. -- uncalibrated.
 Thief sample at 725 ft 1825 hr.
 count = 1990 μ mhos.

Stopped blowing at \sim 1845 hr.

worked up logs in room.

Oct 4 1983

Formation logs

(#4)	Caliper -- calibrated	0840 - 0920
(#5)	Natural gamma	0930 - 1030

Representatives from Gay Hursey Bell & Savannah Lab out

Running (#6) Temp-Resis for Hart & the group 1030-1105
 selected 5 sample intervals: 720, 750, 800, 860, 1070.

times 1120 ; ~~#5~~ bad value ; 1205 ; 1220 ; 1235 ; 1250

(#7)	Neutron porosity	1315 - 1345
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(#8)	Gamma Gamma Density	1350 - 1420
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(#11)	Electric 16-64	1430 - 1530
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(#9)	Acoustic Velocity (2)	1820 -
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(#10)	Televiwer (1 + 1015-1100)	1600 - 1815
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skidaway

saved 1/2 L. @ 1070 ft 16,250 μ mhos
120 Ω resis.

Began blowing at 1313 hr.

(Pre #2) Ran temp. / Resis logs - 4 runs

Possibly no flow below ~770 ft.

final temp - 27.7°C resis (560 μ mhos) (1785 Ω) in csq

1540 hr.

Sampled composite at 1540 hr.
for complete analysis.

Cond = 1670 μ mhos.

pH = 8.15

1700 hr.

Cond = 1620 μ mhos

(#2) Ran moving spinner (current meter)
current meter - indicates no flow below 750 ft.

(#3) static spinner: some flow at 746 ft.
1 pulse/sec at 744 ft.

2-3	-	740 ft.
5-6	✓	738 ft
7-8	✓	734, 2 ft
8-9	✓	730 ft
9-10	✓	728 ft
10+	✓	726, 4, 2 ft
11-12	✓	720 ft
12-13	✓	718, 6 ft
15	✓	714 ft
14	-	712 ft - <u>larger hole</u>
18	✓	710
19	✓	708

Skidaway

Water level TW 4 0855 hr
 held 14.00
 cut 5.27
 8.73 ft below 6" casing cpling.
 6" cpl to L.S. 0.50 ~
 8.23 ft below land surface

Logging TW 1 Pen problems - (switch)

#1 Temperature log w/ Resistance

Ran down hole - 1st time for tool.
 temp, and Resis - in Ω , not Ωm .
 max resistance ~ 118 Ω
~~max conductance ~ 850 $\mu mhos$~~

- Mark Price out with air compressor and pvc airline.

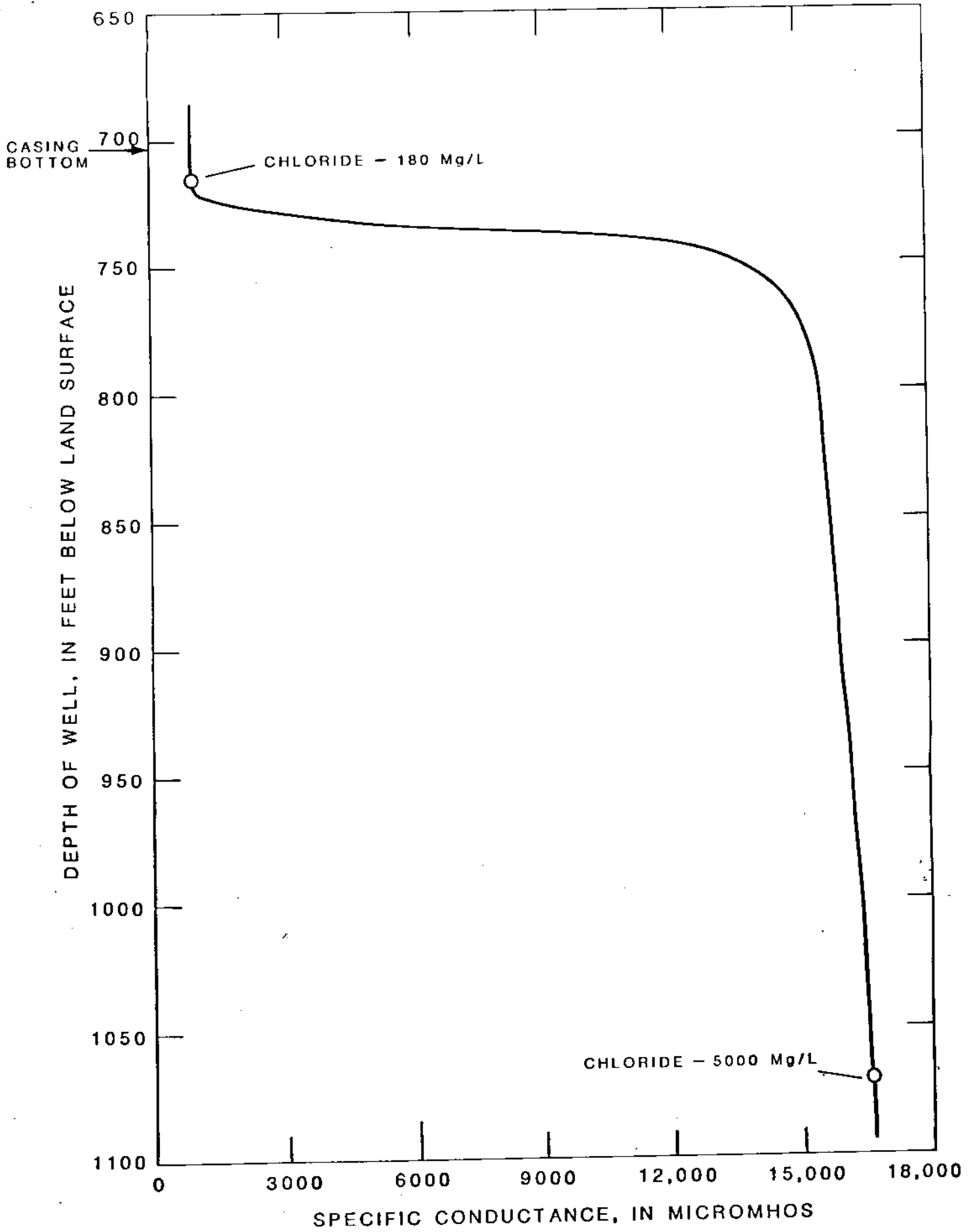
1025hr

logging, down, temperature and resistance
 No flat intervals; no lack of gradient in any
 part of open hole -- indicating no borehole circulation
 therefore brine trace not run.

resis shows freshest water just below casing
 at 715-720 ft then sharp resis decrease at 725'
 to ~ 745' - no change by ~ 800 ft.
 min. resis ~ 120 Ω ~~~ 835 $\mu mhos$ cond.~~

1120

Thief samples : 330 ft (in csg.) 420 $\mu mhos$
 2275 Ω resis
 650 ft (in csg.) 700 $\mu mhos$
 1005 Ω resis.
 saved $\frac{1}{2}$ L. @ 715 ft (below csg.) 925 $\mu mhos$
 1055 Ω resis



SKIDAWAY INSTITUTE TW 1