

Field Book #2 DNR

Richard Johnson DER
Pennington Building,
115 Gotham St., Tallahassee

498-8476
new #



COMPOSITION BOOK

60 SHEETS • 10 1/4 IN. x 7 7/8 IN.

AVAILABLE AS:

09-9142	1 1/2" WIDE RULED - NO MARGIN
09-9144	3/32" COLLEGE RULED - 1 1/4" MARGIN
09-9148	QUAD. RULED 5 SQS. TO INCH
09-9146	PLAIN
09-9140	1 1/2" WIDE RULED - 1 1/4" MARGIN

S. E. & M. VERNON CO., Elizabeth, N.J. 07208
A Division of THE MEAD CORPORATION

Richard Johnson

Field Book #2
(^{FL}DNR) DER

Beginning 4/14/75 → 9/75

46-1
4134

SPP
AS 1-38

~ depths below msl
in Panama City
wt Aquifer (110' (65'))
Agua dulce 205'
chipolte 7'
Zuma Artesian Case 120' (by Raylog)

10/40:
probably
TP #5: (Deep) 10
(Shallow) 17
3009-8536'
(30") (51")

- ⑥ Swanee Ls. (Oligocene)
17 gr to buff porous v. fossil. Ls
⑦ siliceous masses ("boulders") 50'
- ⑦ Macoma Ls
14 grey-green fossil Ls, murex appear.
thin beds of ss & ls 245' thick

lead plugging specs to:

✓✓ Brown well Drilling Inc.
P.O. Box 307
Panama City 9232401

4/15/75
Bay County; Panama City
(Jim May - NWFWMD)
present

pumps pulled same day

include caliper logs (dia. info)

Exam but
casing 1500 ft
to FDL

1100 AM
① 15 1/2" id. TO C = LSD
casing: 208'
TDL: 413'

160 pm
② 10" id TO C = Platform
casing 65' = +4' + LSD
TDL 87' (8" screen) (134)

International Paper Co. = owner

Top of chipolte: 216'
Tampa: 207'
451: Top of International: 117'
Boulevard: 216'
TO in B.C.

section: (1) Pleistocene / "Pleistocene" depts. sand & lenses of
day/gravel.

451 NW sec 4

SE SW NW
→
SW

(2) Choctawhatchee Fm Late Miocene

ls & clastics (clay → gravel) in places

mainly clay map sec 4
+ 46

organic remains

(3) Shoal R. Fm (Alum cluff op.) mid Miocene
micaceous ss, gravels, clays @ many molds

(4) Chipola Fm (Alum cluff op.) mid Miocene

≤ 30' in Bay Co. (ie: S. of Washington Co.)

Green grey hilly fossil. Ls

phosphatic Ls +

(5) Tampa Ls Early Miocene

6m grey D. fossil. Ls @

~ 50'

d grey green
marl
interbedded

prob. Absent in
Day Co.

✓ W-8158
4/22/75 Sarasota Area - Manatee County

① Longboat Key well - alone
Spanish Main Yacht Club
(383-2664)
5700 Golf of Mexico Dr.

for @ Bill Trentman (well Dr.) / Dump / salt water contamination
hole(s) (4' long)

TDL 374' T.O.C. = +1 ft + L.S.D.

casing 334' (of 4")

got: caliper (4) T/ΔT

8 pay (2) Flowmeter

electric + fluid sampler (runs: 2)

~ 2.4 miles S. of end (E) of Longboat Key
~ 4.7 miles S of N of 789 & 684

fluid sampler runs results:

Depth	ppm Cl	Notes
334'	306 ppm	during pumping @ 60 gpm
256'	1802 ppm	32' of 1 1/2" PVC on pump

~ 334' = Top of Tampa Fm.

45' = Top of Hawth Fm

T365 R16E sec 26 NE NE

✓ 4/23/75 (Sarasota Co)

① Meth. church well (cell day) T 365 alone
County Line Rd. Sarasota Co. R18E

TDL 483' (TO - ~500' = mud.) sec 4

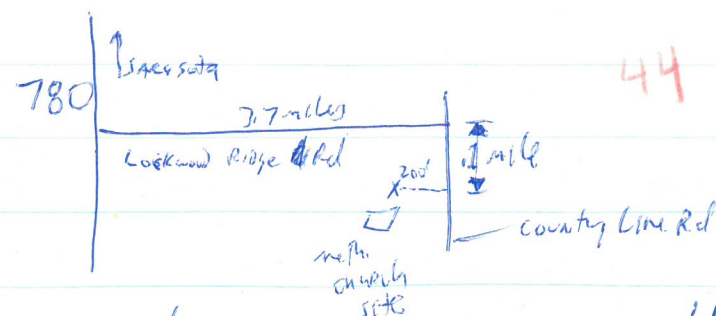
for @ R. Wolcott (Sarasota Co. Health Dept.) NE

casing 4" cd PVC ~ 80' (caliper) NW

sampler @ 100' = 51 ppm pumping 1 gal/min.

~ 300 pm 100' = 51 ppm
375' = 51 ppm

LSP + 112' = TDL



send logs/interpretations to:

4/24/75 Brevard Co.

① BRUCE CUTRIGHT
P.O. BOX 7 CENTRAL & SOUTHERN
WEST PALM BEACH FLA. FLOOD
FLA. 33402 CONTROL DISTRICT
T235 R36E sec 36
SE SEW SW

1.9 miles N of Barge Canal on SR3. NE, Fla

turn Right (E) → go 1.2 miles turn Left (N) ~ .05 mile

"Oriel Scout #1"

@ 500 pm Cl = 1173 ppm (flowing)
T = 75.5 °F

TDL 403'
casing 87' of 12"

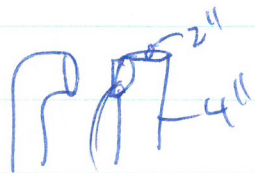
Along with

4/30/75 Brevard Co. alone
(MI.)

① 6" Indian R.
2550 ppm Cl
80.5°F @ 900 AM
hole too small to get depth

② 2" Spoil Isl. S of 520
@ 78°F
1326 = 7.8 x 170 ppm Cl @ 930
gymn hole too small.

③ E of SR 3 bridge over Bangs canal
on S side of canal recessed
4" - 1020 ppm
~150 yds from Sykes Creek
T = 76°



Depth = 46' (measured) (minimum) 27-59-08
@ 1000 AM

City of Malabar wells:

④ T = 79°
527 = 3.1 x 170 ppm @ 530 PM.
loggy - TDL = 551'
csing = 135' @ 6 AM
mp = 2' above LSD
LSD elevation = 24'

Padgett #2 Boonies (near Padgett) well 724-1814

T 29S R 37E
sec 1 SE SW

read spec to Patrick Moore
(305) 727-7764

PO Box 245
Malabar, FL 32950

5/1/75 inventory

476 ppm Cl / @ 930 AM
78°F

27-59-08
80-34-59 (24)

10180 Top of: H: 164
O: 284
AP: 376

George Billie
PO Box 86
Malabar
son: 723-2430

2" id

broken below surface - clogged @ cement piece / wood
flowing
T 28S R 38E sec 31 SW NE

T 29S R 37E sec 31
County owned - Grant Rd. TDL 553'
csing 106' 4"

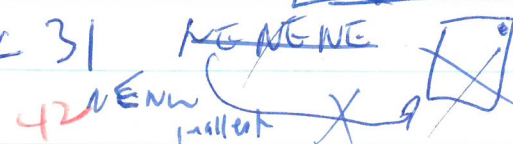
flowing

T = 79.5°F
Cl = 540 ppm Cl
mp = 1' + LSD

@ 130 PM 5/1/75

logged

Logged well



27-55-26
80-33-53 (25)

5/7/75 for
R. Wolcott.
S. County Health Dept.

Sarasota County

① got caliper only

"add water plant well"

TDL 281'

casing 25' of 6"

MP 42' + LSD.

TDL 443'

casing 304'

MP = LSD + 1'

10" (8) to 85' 6" below

833 got stuck: no 4-wheel

24 HR. towing!!!

Honda A to Body & Radiator

488-4124

604 N. Tamiami Tr. Nokomis

② Top sample. alone

82°F @ 415
1.2 x 170 C/ (ppm)
25 x 18" 65 gpm

Sample 375 = 1.3 x 170

439' = 1.3 x 170

(Static) 82°

(for 15 mins) = 221 ppm

#(2)

anometer only

T 393 R 18E sec 15

NE/4 SE/4 182

✓ Leon Co. SW/4 NW/4 NE/4

elev ≈ 30'

T 15 R 1E sec 27

5/12/75

12" id.

TDL 100'

casing at least to 90'

Lake drainage

from FGS Bull #47

section in area:

Pleistocene Sands 0-30' @ some clay lens

St Marks LS. 0-90' ssy ls

Swan Lake LS. 0-200' ssy ls. v. porous

perm. @ dense dol. layers

from GR 19:

Sand: 0-30'

St Marks LS: 30'-62'

Swan Lake LS 62'-TDL (100')

FGS #47 injected/drainage (lake) water prob. moving SW

10/80
Top of Tampa: 67'

5/20/75 Orange Co.

@ ~~W-6334~~ LK Drainage well

Relog
from 2/21/75

TDL: 267'

Type Logs: Resistance

$(T/\Delta T)^2$ elev = 88'

DNR 935

Volusia Co

5/21/75

(31) (32) (33) (34) (35)

① 8" test well Volusia Co.
① 5/21/75
pumping ~60 gpm
T = 73° F
C = 59 ppm @ NOON

TDL 222'
csing 120'
MP = 1 1/2' + LSD

10/80
Tops of
H: 86
O: 90
AP: 121

well #1 40

PETER BUSH
USGS
1020 N. ORLANDO AVE
WINTER PARK

② 4" 15' from #1
TDL 221'
csing 121'

#1 observation 4" 32789
MP = 1 ft + LSD

#2 39

③ 4" 100' from #1
TDL 221'
csing 123'

#2 obser. 4"
MP = 1' + LSD

#3 38

④ 4" 350' from #1
TDL 208'
csing 124'

#3 obser. 4"
MP = 1 ft + LSD

#4 37

⑤ 4" 1000' from #1
TDL 222'
csing 122'

#4 obser. 4"
MP = 1 ft LSD

#5 36

T 15 S R 31 E sec 26, SW NE SE

put USGS #s on logs

Orange Co.

5/22/75

(28) (29) (30)

USGS test well v. man "Lake Adair shallow"

① FDL 404'
csing 104' 4"

T 22 S
R 29 E

elev ~ 90'

35 sec 23 NW NW SW

② for USGS manhole cover

T 22 S R 29 E sec 23 NW SE SW

LK Concord drainage well

TDL 394'

83 31 23 11 341

csing - 291' 20" MP = mantle = LSD

elev ~ 90'

logged After 15 mins lake drainage

③ T 22 S

283157N 0811804

R 30 E

03111802

sec 34

33 City of orl. own

SW SW NE

elev ~ 100'

L. Underhill

Walter Wood
USGS
winter PK.

TDL 466'

csing 128 x 20"

10/80:
Tops of: H: 136
O: 180
AP: 136

6/6/75

Washington County - Chipley - SE of:
 * Chahawache Fm absent

miocene
 Alum Bluff Gr (Chipola Fm) unfossil. gen (tent?) siltstne
 Tampa Fm (St Marks Ls) * gen-grey fossil. silty marl 50'
 Sumner Ls (incl. Byram Fm (2)) lt grey - buff, porous, ext. fossil. ls
 @ silicified massive beds at base: buff dense,
 indurated fine & fine dolo ls & lt gray tan
 poorly indurated argillaceous argian ls - varies
 to massive for fine shale. 70'
 Marianna Ls lt gray - cream form ls @ massive appear. @
 (some more) v. thin bds ssy ls. - + lg FOAM.
 Cephalopods. 50'
 Ocala (XL River) Gr. lt yell. - wht massive but porous @
 silicified zones
 Eocene

calliper - TDL 150'

rept depth = 197'

v. muddy hole!

3" id. casing - 92'(!)

truck (935) sheared out

calliper only

② Dan Harmon
 NWFWMD

4N-13W-16-Cb

6/3/75-6/4/75
 sampling operation

6/3/75	T (F)
1000	76°
1020	78°
1040	77°
1060	75.5°
1080	75.5°
1100	75.5°
6/4/75 1120	75°
1140	75°
1160	
1180	
1200	75.5°
1210	
1220	
1230	76°
1240	
1250	
1260	75.5°
1270	
1273	76°
1280	

Monitor well
 Hungry land Slough
 DNR
 Palm Beach Co.
 TDL 1280'

CI (ppm)	
3.3 x ²⁰⁴ 170 = 561	673
3.3 x 170 = 561	673
3.5 x 170 = 595	714
3.5 x 170 = 595	714
3.6 x 170 = 612	734
3.6 x 170 = 612	734
3.85 x 170 = 655	785
3.9 x 170 = 663	795
3.9 x 170 = 663	
3.9 x 170 = 663	795
2.0 x 170 = 340	408
2.0 x 170 = 340	408
2.0 x 170 = 340	408

Injection well 6/4/75 pm 300-1130pm

deep sampling

1200

1230

1260

1100

T(°F)

77°

77°

77°

77°

C1 (rpm)

²⁰⁴
 $1.6 \times 170 = 272$ 326

~~$1.8 \times 170 = 306$~~ 367

$2.2 \times 170 = 374$ 449

$1.4 \times 170 = 238$ 286

6/10/75

Brevard Co. (27)

① T 25 S R 35 E Sec 1 NW/4 NE/4

DER-0001 - tagged

TDL: 303'

Csing: 106' 4" id.

flowing - use: stock.

owner: Brev Co. Comm

Box 1496 Titusville 32780

hand started at DNR 935 - big handle

alone

caliper

GR

Resistance

15' surface
elev.

(topo)

28-20-42
80-46-57
(16')

IC #57 Bay Co.

well 006-540-412

~ 4-5 miles ESE of wells in?

Pleistocene

Sand, gtz, some phosphatite 0' below LSD.

ls & lsophosph.

sand & glauconite

shell frags (in cl ↓)

LS-phos & glauconite

100'

Choctawhatchee Fm (Late Miocene)

100'

LS; Xline, ssy, phosphatite, glauconite* 100-120'

sand; phosphatite, mica*

phos LS; as above*

190-220'

sand; as above*

LS; ssy, phosph.

280-300'

Chipola Fm (Middle Miocene)

300'

LS; ssy, shell

some glauconite & phosphate mat ||

dist. through out.

500' TD

Aggr. clude

↓ fl. abn.

Leon Co.

6/18/75

Leon Co.

T1N R1W sec 35 NE/4 SW/4 SE/4

1W-1W-35-bcd

lev. ≈ 70 ft.

Hawthorne (?) at surface 0'

or 40' Hawthorne

60' st MKS LS.

113' - 130' Sawanee L.S.

10/80
top of: T: 59
S: 180
O: 342

Roue Drilling Co. (newly drilled: 6/75)

request by Roue Drilling
(Lamar Roue)

TDL 366' (drilled: 380')

casing: 283' (driller: 282 1/2) 10" id. 12" surface casing to
≈ 240'

cemented ~ 2 wks ago

owner: FL, state of
(FSU)

life: air cond., new Nursing
Bldg.

observers: Jane Smith

Dan Harmon (NWFWMD)

Ronchia Mark

Jim May (NWFWMD)

Jann Warburton

Jack Neely

Jim Cason

Cathy Mouny

Gary Bishop

Paul Beam

Craig Helpling

Seminole Co.

o Craig

4/23/75

#1

159' deep measured - wt & line

T 74°F

Cl 836 ppm

Duval Co.

SL 64:

← Ocala Op

↙ in Lake City

most water enters: 500-700 & 950-1200 (soft porous zones)

great possibility of loss of water from lower zone into upper zone

↓ (From RI 59, RI 43, TC 58)

0' Pleistocene Deps: sand, clayey sand & some shell (const) 0'-90'

50' Upper Miocene or Pliocene Deps: clay, silt, sand, shell, LS (base) some phos

100' Hawthorne Fm Miocene: clay, ssy clay, ssy LS. 10'-110'

ALL phosphatic (top marked

by phosphate bed)

250'-500'

500' Ocala Op Eocene: (marine) L.S. some dolomite 160-520'

750' Avon PK L.S.: Eocene: alt beds of dolo & LS 50-250'

top: hd dolo beds

800' Lake City L.S. Eocene: alt. bds of lignitic LS & dolomite ≈ 500' (?)

1300' Osmon L.S. Eocene: ls & glauconitic dolo. ± 846'

depth in JAX area (Top of Fm.)

515 W 6th St.
Jax FL 32206

@Craig

6/24/75

Duval Co

(1) Haulover Crk. near Heckscher

73.5°F

C = 71 ppm

(9) 1030 AM

TDL 740'

CSing 449'

(Dural) 4" id.

valve but flowing wildly

tagged DER 0001

~94 gpm

owner: Internal Improvement Fund (FL)

T 15 R 29E sec 19 NE NE

(2) Heckscher Dr & New Berlin

4" 76°F

TDL 659'

C = 61 ppm (569 CSing)

8" step casing 4" id. 0-85'

MP = LSD + 1/2'

2 callipers
+ elect GR

DER #0002 tagged

6/25/75 electric (same well?)

~20' elevation

owner: SEBened Cantline (38)

T 15 R 27E sec 11 SE SE

✓✓✓ 3049 ml

(2) ~~At~~ off Spanish pt.

6/25/75

(9) 145 pm

T = 75°

C = 61 ppm

TDL 449'

CSing 208' (4" id) 0-69' 2"

(lost SR rubber core)

8 R & Res. only down to 310' - hole too small below

(2) Monument pt. well

C = 31 ppm

T = 72.5

3" casing top (0-84')

@ 400 pm

TDL 488'

CSing 400' (4" id) 0-400' 2"

TDL = LSD + 19"

Empt Quad (Seacrest)

8 R only down to 188' - hole 2 small & SR probe no electric run

T 15 sec 33

R 28E (sec 47)

6/26/75

TH.

owner: Will D. Merritt

Low Gap, NC.

(1) 341 gpm

6" id

clifton bluff

T = 82.5°F

C = 41 ppm

(a) 1000 AM

686' TDL

CSing 485' (6")

T 25

R 27E

tagged DER 0004

City of Jax. owner

elev = 20' (topo)

sec 21

1/4 NW

1/4 NW

12 24 strand, 1/2" diam. Bch. mps same section T 25 R 28E sec 2 NW SW SE

10180' TOPS of H. 89 0.504

✓✓ 6/26 continued

② ②

⑤ Charter point well

C = 41 ppm @ 215 pm
T = 76 °F

no valve
no casing
flowing.

TDL 660'
casing 554' (411)

25

⑥

T 1S
R 27E

owner: charter Investment corp
47 W Forsyth St, Jax.

sec 29 NE 1/4
SE

ele ~ 4' (top)

Tel wells - projected
sec 40 T 1S R 25E prichard Rd
2 2 25 J. Mason Rd.

6/27/75 Fri

① Prichard Rd well

4" C = 20 ppm @ 1100 pm
T = 75 °F

⑦

valve
casing
flow

TDL 660'
casing 450'

24

4635 River Pt Rd
Jax 32207

T 1S R 25E sec 36 SW/4

owner M A Whidden

DER 0005 tagged

② 610 St Aug. Rd. (5040 St Aug. Rd.)

TDL
casing

C = ppm @
T = °F

T R Sec

obstruction @ 20'

no logs

owner F D H of Jax.

Duval Co.

Environmental Services

week #2 7/7/75 -

7/7/75 Monday

well #1 plugged at 50' 3630 Owens Ave.

TIS R26E
sec 28 SW/4
NW/4

sure flow

no logs

tagged DER 0006

well #2 OAKlane office bldg 4521 Atlantic Blvd.

TIS R27E
sec 20 SE/4 SW/4
plugged at 98' : 31" : ✓ little flow

tagged DER 0007

no logs

7/8/75 Tue.

(#1) Beachwood well

sample: 1245'

MP = LSD + 34"

20 PM 845 PM

tagged DER 0008

Beachwood PS City of Jax.

TDL: 1251'

casing: 416' 16" id.

3 mile N from
Atlantic Blvd
Beachwood

NOTE 90' cable lost - new drawwks

lev ~40'

not flowing at surface

T 25

R 28E

Sec 32

NW 1/4 SE 1/4 NE 1/4

10/30
Tops of
H: 105
O: 403
R: 651
L: 679(?)

DER 1231

new plan / draw wks
OCRAJ

7/9/75

(#1)

St Regis #1

TDL 1237'

casing 1163 4"

both wells:

T 1 S

R 27E

Sec 9

NE 1/4 SE 1/4 NE 1/4 #1

flowing at surface
6" at top

81°F
dppm = 55

1030 AM

tagged DER 0009

more OD rain!!
no lightning.

TOC = top of 6" flange = LSD (16') + 1'

sample bottom: 1-55 ppm

1230'
1245 PM

(#2) St Regis #2

TDL: 654'

casing (4") : 574'

deep
sample
648'

C = 49

tagged DER-0010

TOC = top 4" flange = LSD + 1' (LSD 16')

~40' W of #1

80°F surface
flowing @ surface

✓ 7/10/75 Th. Rural Co Cont.

① Love Grease well

TDL 1004'

casing 534'

17 1/4" id

City of Jax

C = 43 ppm

T = 82 °F

surface sample

NO good resistance log -
Hi V. Station provided
too much interference

②

④ 3:00 pm
999 ft.

C = 45 ppm

T = 82 °F

fayged PER-0011

T 2 S

R R27E

sec 28

SE 1/4

NW 1/4

SW 1/4

elev ≈ 20'

~~2000~~

✓ Marathon Co

Marathon Desalination well

20" casing

11" hole (bit)

19

not flowing

2153 Rept.

casing Rept (Driller) 612

C. logs: 604

2138 meas

10/80 Top of H: 618
T: 245
S: 1064
AP: 1235
W: 1757

above Ft. Reyl Aqueduct A.P.

400-585'

clay

driller

1885-1890 gypsum

W-12799

T665 R32E sec 10044

Alamy Pippin Co, driller

Driller July 1975

Cyrus to

R. Keron

A.P. Co.

PO Box ~~1226~~ 1643

~~AB~~ 33460

LK worth

James M. Montgomery

Consulting Engineers, Inc

3201 Griffin Rd.

Ft. Lauderdale, FL. 33312

alt: W.D. Wardwell

spot ✓: (microscope)

phosphate nodules (grainsize) in LS at 835-840 interval

ditto 25-30 + gypsum?

815-820 no phosphate } v. calcitic
820-25 " " } LS = v. pure calcite

no phosphate 845-50

1941

Manroe Co

Bulletin 19 Bur of HL ground info:

Uaca Key FEC RR well (1918)

lith char: coralline LS 85'-179'

SS 180-589'

LS 593-1790' ← last sample

(Rein) correlation to N Manroe Co (Everglades) oil test well:

depth below LS 589'

near Top Tampa L.S.

852'

984'

approx. Suwannee / Ocala contact

1248'

approx. Ocala / middle Eocene LSS contact

1790'

approx. bottom middle Eocene.

16

Leon Co.

7/16/75

CH Well Drilling

new well across from DOT Bldg.

1054 Palkin Rd.

Suwannee St.

877-5471

cable tool rig

18

10" casing to 123' (below TDC)

elev ~ 100'

TDL = 221'

T/N sec 31

R/E SW/4 SW/4

C. C

(Hyd)

use: irrigation for new park.

Section:

from OR ↓

Hawthorne: 0' - 25'

bottom: 25'

St Marks: 25 - 125'

" 113'

Suwannee ↓ 125 - ↓ (TD)

113 ↓

will be deeper ~ 20'

10/80
Tops of: H: 13
T: 39
S: 145

Bill Troutman

✓✓ Manatee Co. 7/22/75
② Manatee Co Fairgrounds
TDL: 270'
csing: 211'

① = glentop 34 1/2" caliper only
well 6" id
non flowing
not plugged in csing
~227 ft.
LSD = TDL = MP

ppm Cl = 2.1 x 204
T°F = 79°F

④ 12:30 pm

tagged: PER: 0001

bottom in Tampa

T 34 S R 17 E sec 14 NW NW SW
dw = 9' (topo)

③ Oneco well,
TDL 618
csing 227'
not flowing

MP = TDL = LSD

sat ele (topo) = 30'
bottom in Suwannee

bottom hole sample ④ 4:20 pm Cl = 102 ppm
⑥ 600'

from well: N of Rd → Rd

go ~~W~~ on 51st Ave E

to N 301 → 0.9 miles (which was ~.1 mile S of N 301 & 70)
proceed N & NW to N 341 ~ 1.4 miles

T 35 S R 18 E sec 7 SE/4 NE/4

R. Wdcott

Sarasota Co 7/23/75

① S Bay Yacht & Racquet Club test well #1
+ 38 S R 18 E sec 15 NE/4 SE/4 (#39)

TDL: 703' reported (driller) 740'
csing (only surface csing present - newly drilled): 24' 5"

MP = LSD + 1'

Driller: CC Thompson well Drilling July '75
924-3778

H: 16', T: 197', S: 432'

② in ~~Laurel~~ turn E on Laurel Rd. go E 1.4 miles
turn S on Albee Farm Rd (just across slough), go .6
miles, turn W on unnamed paved (new?) rd go .3 miles
well on N side of rd ~ 50' from rd.

TDL 147' (148 - either bottom or plug)

only cal (for log)

csing - 5' = 45' (?)

dw = 10' (topo)

T 38 S

R 19 E

sec 32

SW/4 NW/4

✓ Salasota Co

City of Salasota 7/24/75

TDL Driller 3513

Driller CSing 16" to 2000'

TDL: 3,482'

Casing: 1992'

Sewage treatment (Disposal) injection well not used yet
Along dipping, Driller

14 BCEE Consulting Engineers

3343 smaller size hole (Log)

elev = 22' (topo)

ft. below LSD (sp. pub. 20)

Swanee 600'

Ocala 900'

Avon PK. 1000'

LK City 1750'

Oldsmar 2500'

Cedar Keys 3500'

Bottom (end of) This well

10/80 Topset

open hole in Lake City LS. : -

Oldsmar LS. : 2272'

Cedar Keys Fm. : 3232'

1,490' open hole
17' casing

from (RI 18)
top of Manatee Co. ft below bott.
Hawthorne

L. miocene Tampa LS
T 36S Swanee LS 125'-285'
R 18E Ocala Gp 275'-535'
sec 18 Avon PK LS 575'-860'
SE 1/4 Lake City LS 1275'-1560'
SW 1/4 Oldsmar LS 1775'-2060'
Cedar Keys Fm 2725'-3010'
Cretaceous (cs sh. sandy) 4725'-5010'

✓ Duval County

#3

7/28/75

(13)

(Mon.)

① Heckscher at Haulover CK. Bridge
T 1 S R 29 E sec 19 NE 1/4 SE 1/4

TDL 400'

3" top casing 2" bottom
0' to 89' 89' to ?

(caliper only)

not-tagged well
as per
0019

7/29/75 Tue

① TDL 1229' Lake shore at Jax PS.
(by XL)

Casing : 522'

12" (12)

surface 82.5° F

T ↑

C = 30 ppm

MP = 250 + 1' = top of casing flange
tagged 0012 (DER)

flow 2 1/2" above Flange 1190 gpm

bottom hole sample 1222'

C = 40-8

① 520 ppm

T 2 S

R 26 NE

sec 32

SW 1/4

NE 1/4

SE 1/4

elev = 14' (topo)

✓ Dawn (cont.) Wed. 7/30/75

(12)

T 15 R29E
sec 327.

① K.A.H. Park*

3" casing: — 78' - Rock unlogged
TDL: — DER 0013 untagged

② KAH Park
"lot #5"

TDL 519'
casing 418'

tagged 0014

61 ppm Cl @ 230pm
T = 73°F

Caliper only.
3" - 2" well

③ KAH park
on beach #3

well #2 lot #B

TDL 552'

casing 338' 4"

(13)

T = 74°F

Cl = 61 ppm

@ 3:15pm

bottom sample

Cl = 61 ppm
548'

@ 4:30 pm

tagged DER 0015

15
29E
32

* Kathryn Abbey Hanna Park

✓ Dawn (Co) 7/31/75

(10) (11)

① 00 St Aug & Lasco. 3" - 2" well

T = 75°F @ 1030am
Cl = 55 ppm
TDL 465'

only caliper

tagged DER 0016

harriet "bite" well casing 88' 3" - 2"

2 miles N of T295
on St Augustine
T4S R27E sec 4 SW/4 SW/4
elev (top) 25'

② Oak Bluff #13

T = 75°F

Cl = 55

TDL 540

sickens well

casing = 3" (425 3')

@ 12:50pm

(14)

tagged DER 0017

T4S R27E sec 6 NE/4 NE/4
downhole sample @ 532 25' elev

Cl = 61 ppm

@ 3:30pm

4 miles N on (13) from
T-295

8/1/75 Fri

T2S R26E sec 25

NE/4 NW/4
NW/4

① Fletcher park

(15)

TDL 1291'

rept 1298 (driller)

elev ≈ 14' (topo)

casing 494 (+21)

502 (")

bottom sample

Cl = 61 ppm
@ 1:287'
@ 1:00pm

tagged DER 0018

T = 85.5°F
Cl = 41 ppm

1" (casing) = 17 1/4" = 18"

T log: water 2000
950 - 1000
1160 - 1250

✓ Key Largo "Largo" Brand well ⑨

"288" post

8/5/75

TDL 1194' rept 1245'
csing 872' rept 875' (8") id.

driller: Meredith Corp.

flowing rept 1300 gpm

Hawthorne (clay) at 170' → ?
~ 20 cps

T = 82° F @ 610 pm surface

Surface Cl is 4549 ppm field test

Sample:	Flowmeter	T	Per.
1190'			
925'	Calliper	GR	

tagged PER #0002

Cl (lab results) ppm
1190' 4750 ppm
925' 4508 ppm
net. 4460

"for Wardwell, W.B.
James Montgomery consulting
Engineers Inc.
3201 American Rd
Ft Lauderdale FL 33312

8 miles N of N SR905
US 1 Key Largo
on NW side of rd ~
200' at X of abt. 45'

✓ St. Lucie Co. Pot wells ⑧
8/7/75 (SC 451-5045)
464 6771

① T 74S
R 39 E
Sec 17

tagged PER 0001

10180
Tops of
H: 1184
S: 440
O: 535
AP: 609

TDL 705'
csing 305'

6" (5")

flowing: T = 83° F
Cl = 755 ppm Cl ② 145 pm

lower Hawthorne (60 H.)

ledge: 4-5' thick

forms ledge on caliper log
v. high (200 cps+) (intensity)

Contact - Hawthorne (data?) ~ 440
swansee

Specs to R. Prescott Project Engineer:
PO Box 698

Ft Pierce Fla, 33450

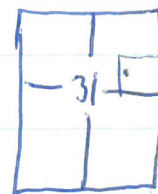
22' elev

T 60S
R 40 E

→ Sec 31
NE/4
SE/4

dev (topo)
= ~ 10'

1.4 miles S of N 614 & 611 on 614
(Imbro Rd.) on S side rd ~ 100' S.



10180
Tops of
H: 695
T: 949
S: 1170

Melbourne 8/12/75 Broward Co
Hawville & DOT

① highway US1 -
4" 204 x 2.6 ppm C/ @ 1100AM
flowing - well under highway pavement
T-ed into median strip w/ology

T 27 S
R 37 E
sec 16
SE-SW-SW

② 2" Depth 266'
C/ = 3.2 x 204 (652 ppm)
T = 79.5
untagged DER
0003

T 27 S
R 37 E
sec 16
SE-SW-SW

③ 13" (d?) broken casing near top -
flowing

untagged DER
0004
T 27 S
R 37 E
sec 16
SE-SW-SW

Spec sent West 8/11/75

To
Jim Davis
Hawville Ind. Inc
Box 10

OWA FL. 32922

(DOT)
J.R. Gillis JR
PO Box 951
Melbourne FL 32935

Lee Co.

8/19/75

Dot
Colonial Blvd.

@ 900AM
T = 79.5°
C/ = 4.4 x 204 = 898 ppm C/
5" id? (6")

⑦
elev. 15' (top)
T 45 S Sec 1
R 24 E NE/4 NE/4
flowing
CDL 409'
casing 122' 6" id
TOC = 20150 - 3'

Begin logging 1320 hrs

Send 2 copies of plugging specs and 1 copy
of logs to address below:
10/80
Tops of:
H: 127

15' elev.

ORVELL HOWARD
PROJECT ENGINEER
DEPARTMENT OF TRANSPORTATION
P.O. BOX 789
FT. MYERS FL. 33902

Daniel Harper

address one copy of plugging specs only to the
project engineer with Harper Bros. Inc, General
Contractors Ft Myers, Fla. ORVELL Howard will
forward their copy of plugging specs to them

DER 000/ untagged

8/20/75

Lee Co.

D M Randall

⑥

(2 copies)

① TDL 412'
csing 200' 6"

T=80° F

1045 AM

Cl= 1693 ppm

send papers to

copies of logs to D. H. B.

Martin & Miller & Son

1279 McNiell Rd.

N Ft Meyers, FL 33903

T 445

R 22E

Sec. 7

NE/4

NW/4

elev ~ 17'
(topo)

DER 0002
untagged

top Hw: 56' (pk)
11/82

Boyers

USGS

2070 Main St

Ft Meyers FL 33902

20

Sarasota Co.

⑤

8/21/75

City of Sarasota well
Drainage / recharge

(re) logged for info.

Mo Bowman

(2 copies)

TPL 1196'

csing 818' 6"

8V. 2/4/75

Then, TDL 690 ft

csing to 120 ft. 8" (?)

logs to Mo.

USGS Water Resources Div.

232 Ruwls

Sarasota

DER 0001 untagged

T 36S R 20E sec 3

NW/4 NE/4

elev ~ 78' (topo)

tops of
(old)

H: 125' (104:125')

T: 3053

S: 462'

O: 677'

AP: 977'

Temp/DT tool calibration as of 5/17/74 (Paul Beam)
from Margate Monitor Well, T Log Broward Co.

cps	T (°F)
3150	77°
2950	69°
2750	63°
2700	57°

3550	82° F	7/12/73
3700	87° F	3/8/73

my measurements (by them)

~~82°~~
82° ~~3380 cps~~
82.5° 3550 cps

⇒ 3550 cps ≈ 82° F

9/9/75 Duval Co (#4)

① 4th St & 4th Ave Jax Bch
TDL 1181'
casing: ? 12"

④ City of Jax owner

only 1/2 flowmeter
caliper

elev = 10' flow ~ 2500+ gpm
#DER 0020 T = 83° F
untagged

T2S
R 29 E
Sec 33
SE/4 SW/4

9/10/75 City of Jax
① Maitland Ave.
TDL: 814 ft.
casing: 578' (calip.) 18" (?)

newly drilled
Southern Drilling

T 2S
R 27 E
Sec 9

(16)

cauty (off scale caliper)
814 - 738'

SE/4
SE/4
SE/4

down hole sample
810' TDL

WAE R/W

DER 0021
untagged

✓ (Nassau Co.) 9/11/75 (3)
Tax wk #4
T3N
R 28E
sec 26 SE 1/4 NE 1/4
For Roy
Fairchild
USGS

(1) for USGS / City Tax.
owner: Rayonier Paper Co.
Rept 1800' TD
TD 878'
csing 538' 18"
0' = Top of 12" flange
elev ~ 16'

call for only

DER 0001
0.85 miles N of AIA
\$ 108 FL
America Pile

(2) #2 for USGS
0' = Top of Flange

Rept 1000'

TD 934'

csing 564' 20"

partial
obstruction @ 625'

Gottman Hawthorn 546'

sample: 600'
925'

owner (both)
Rayonier Paper Co.
ITT

3
Water 40'

DER 0002

elev ~ 12'

T3N
R 28E
sec 35

SE 1/4
SE 1/4

✓ Container Corp - Bill Wandemacher
Nassau Co. #2 wk (#5 Dunn (wk) (2)
9/16/75 Tue.

(1) #11 CCA
TDL 967
csing 576 26"
Container Corp Am. well
rept 1050' (970' USGS)

DER 0003
untagged

USGS
Roy Fairchild
parent

USGS

Beach Blvd.

2
Suite 106
Tax.

T 3 N
R 28 E
sec 24

Samples 580 NW 1/4 NE 1/4
960

elev ~ 40 ft.

10/20 Top of:

H : 78
O : 536
AP 935



✓ 9/20/75 Monroe Co. ① Key Largo (Rock Harbor)

① Alamy Pippin Corp.
drilled ~~the~~ 9/75

MP = top of 16" flange

16" outside casing to 603 TDL drill log: 606'

TDL 1074' drill log: 1085'

6-7' casing

8" id casing to be run to 1085'

16" hole to 1074'

well for F.K.A.A.

flowing ~150-200 gpm

DER
0003
untagged

John M. Roenig Chm.

F.K.A.A. - F.A. Keys Aqueduct Authn
Key West 33040

T 61 S

R 39 E

Sec 32

W-12861



Monroe County (Key Largo)

9/20

total feet logged: 3,220 ft.

1 well

type logs: caliper, GR, Resistance

1074'

- 170 wells - 254,856 ft.

St Lucie County (Pt Pierce)

8/7/75

total feet logged: 35,24 ft.

1 well

type logs: caliper, GR, Resistance, Temperature

Lee County (Pt Mexico)

8/19-20

total feet logged: 2,455 ft.

2 wells

type logs: caliper, GR, Resistance, Temp. 409' 410'

SARASOTA COUNTY (Sarasota - E)

8/21

total feet logged: 5,468 ft.

1 well

type logs: caliper, GR, Resistance,

1196'

164 wells

235,185

September 1975

Duval County (Jax)

9/10-9/11

total feet logged: 6,096 ft.

2 wells

type logs: Caliper, Gamma Ray,

1169' 815'

Resistance, flowmeter, temperature, sampler

NASSAU COUNTY (Fernandina Bch)

9/11 & 9/16

total feet logged: 10,355 ft.

3 wells

type logs: Caliper, GR, Resistance, T,

968' 850'

sampler

935'

SARASOTA County

total feet logged: 9,218 ft.

type logs: caliper, gamma ray, resistance

7/23-24

3 wells

704'

147'

3482'

DUVAL County (Jax)

total feet logged: 14,309 ft.

type logs: caliper, GR, resistance, T/DT

fluid sampler, flowmeter

7/28-7/31

6 wells

400' 518' 465'
1227' 552' 540'

1000'

August 75

DUVAL County (Jax)

total feet logged: 7,279 ft.

type logs: caliper, GR, resistance,

flowmeter, Temp, downhole sampler

8/1

1 well

1292'

159 wells

277,770'

Monroe County (Key Largo)

total feet logged: 5,968 ft.

type logs: caliper, GR, resistance, flowmeter

temperature, fluid sampler

8/4/75

1 well

1194'

DUVAL County (Jax)

total feet logged: 14,079 ft.

type logs: resistance, gamma ray, caliper,

T/DT

140 wells

163,907'

JULY 75

DUVAL County (Jax)

total feet logged: 13,431 ft.

type logs: caliper, gamma ray, resistance, T/DT

fluid sampler

7/7-7/10

4 wells

1250' 654'
1237' 1004'

Monroe County (Marathon)

total feet logged: 6,381 ft.

type logs: caliper, GR, T/DT

145 wells

183,719'

7/12/75

1 well

12138'

Leon County (Tallahassee)

total feet logged: 642 ft.

type logs: caliper, GR, resistance

7/16

1 well

221'

Manatee County (Palmetto oneco)

total feet logged: 2603 ft.

type logs: caliper, gamma ray, resistance

7/22

3 wells

616' 221' 270'

ORANGE County (Orlando)

5/20 & 5/22

total feet logged: 5,147 ft.

4 wells

type logs: caliper, gamma ray, resistance, 466' 404'
394' (267')
T/Δ, flow meter

June 1975

Palm Beach County (Jupiter)

5/3 & 4

total feet logged: 6,401 ft.

0 wells

type logs: caliper, T/ΔT, fluid
sampler

(1280')
(1280')

Washington County (Ghipler)

6/6

total feet logged: 150 ft.

1 well

type logs: caliper

150'

13 wells

147,230

BREVARD County (Cocoa)

6/11/75

total feet logged: 906 ft.

1 well

type logs: caliper, G.R., resistance

303'

Leon County (FSW)

6/18/75

total feet logged: 1,692 ft.

1 well

type logs: caliper, G.R., resistance, Temp.

366'

BREVARD County (Malabar)

wed 4/30

total feet logged: 2,198 ft.

1 well

type logs: caliper, gamma ray, T/ΔT

551 ft.

May 1975

BREVARD County (Grant)

Thurs 5/1

total feet logged: 1,103 ft.

1 well

type logs: caliper, gamma ray

553 ft.

129, 254' 118 wells

SARASOTA County (Osprey)

wed. 5/7

total feet logged: 1,167 ft.

2 wells

type logs: caliper, flow meter (sampler)

281' & 443'

LEON County (Tallahassee)

Mon. 5/12

total feet logged: 395 ft.

1 well

type logs: caliper, gamma ray, resistance

100'

Orange Co (Orla) 5/20/75 / well (TL: 794' / Resistance, T/ΔT / "Koraimy well" / 267')

Volusia County (Portona Bch)

Wed. 5/21

total feet logged: 3,716 ft.

5 wells

type logs: caliper, gamma ray, resistance,

222 222 221
221 208

T/ΔT

April '75 cont.

Bay County (Panama City)

total feet logged: 1,490 ft.

Tue 4/15

2 wells

type logs: electric, caliper, gamma ray

413' 87'

Manatee County (Longboat Key)

total feet logged: 3,355 ft.

Tue 4/22

type logs: caliper, gamma ray, electric, T/ Δ T, #1 well
flowmeter, fluid sampler

374'

Sarasota County

wed 4/23

total feet logged: 2,874 ft.

1 well

type logs: caliper, gamma ray, T/ Δ T, $\odot$
fluid sampler runs

483'

Brevard County (Merritt Island)

Thurs. 4/24

total feet logged: 1,207 ft

1 well

type logs: caliper, Δ T/T

403'

St. Johns County (Bxrd)

Fri. 4/25

total feet logged: 540 ft.

0 well

type logs: Δ T/T

471'

Counties

Washington
BAY
Franklin
Gulf
Leon
Taylor

Alachua
Duval
St. Johns
Putnam
Flagler
Volusia

Brevard
Orange
Polk
St. Lucie
Martin
Palm Beach

Sarasota
Manatee
Charlotte
Lee
Monroe

Duties:

(A) Conduct, Schedule, & Interpret Geophysical Logs for:

(1) plugging specifications

(2) Huxleyland (Jupiter, FL) injection storage well project

(3) Palatka Project "Merritt Island Area" geologic & geohydrologic

(4) geologic info in coop. w/ USGS, Div. of Geol., Univ. of FL etc

hired: 6/24/74

(5) well problems, detection & remedy
and monitoring well drillers

9,700/year
or 811/mo.

(B) repair logging equip

(C) well inventory

Geologist II at-of-grade

promoted 4/14/75

10,300/year

or 860/mo

Geologist II

+ \$3,200 year per diem

USO's winter PK.

Jim Pool - home - 385-7866

Horace Sutcliff - USGS - Sarasota - 813-955-9388

Bruce Cotright
C&SFFCD 305-686-8800

#A 105339

02000340447

$$\begin{array}{r} 204 \\ 211 \\ \hline 204 \\ 408 \\ \hline 4284 \end{array}$$

