

Copy given to Tass 6-26-89

### WELL CUTTINGS PROCESSING FORM

SFWMD ID NO.: \_\_\_\_\_ WELL CONST. PERMIT NO.: \_\_\_\_\_

WELL NAME: SLMW 4D GEOPHY. LOG AVAIL.  Yes  No

COUNTY ST. LUCIE SFWMD GEOPHY. # \_\_\_\_\_

LOCATION: 1/4 of SW 1/4 of SW 1/4 of Sec. 29 Twp. 34 Rge. 40

Latitude 27° 29' 08" Longitude 80° 21' 45"

Planar X \_\_\_\_\_ Planar Y \_\_\_\_\_

DRILLER: Tony Lubrano DATE DRILLED June 21, 1989

DEPTH (ft) 120 ELEVATION (NGVD) \_\_\_\_\_ ( ) TOPO ( ) SURVEY

NO. OF SAMPLES \_\_\_\_\_ NO. OF SPLITS 2 DATE SENT \_\_\_\_\_

SENT TO:  BOG ( ) USGS ( ) OTHER \_\_\_\_\_

WATER SAMPLE: CHLORIDES (mg/l) \_\_\_\_\_  
LAB SAMPLE # \_\_\_\_\_

HYDRAULIC DATA AVAILABLE:  
SPECIFIC CAPACITY \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_  
PUMP TEST \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_

COMPLETION INFO: ( ) PLUGGED ( ) TEST  MONITOR ( ) PRODUCTION

DRILLING METHOD: ( ) CABLE TOOL ( ) JET ( ) AUGER  
 ROTARY:  Mud [ ] Air [ ] Reverse [ ] Dual Wall

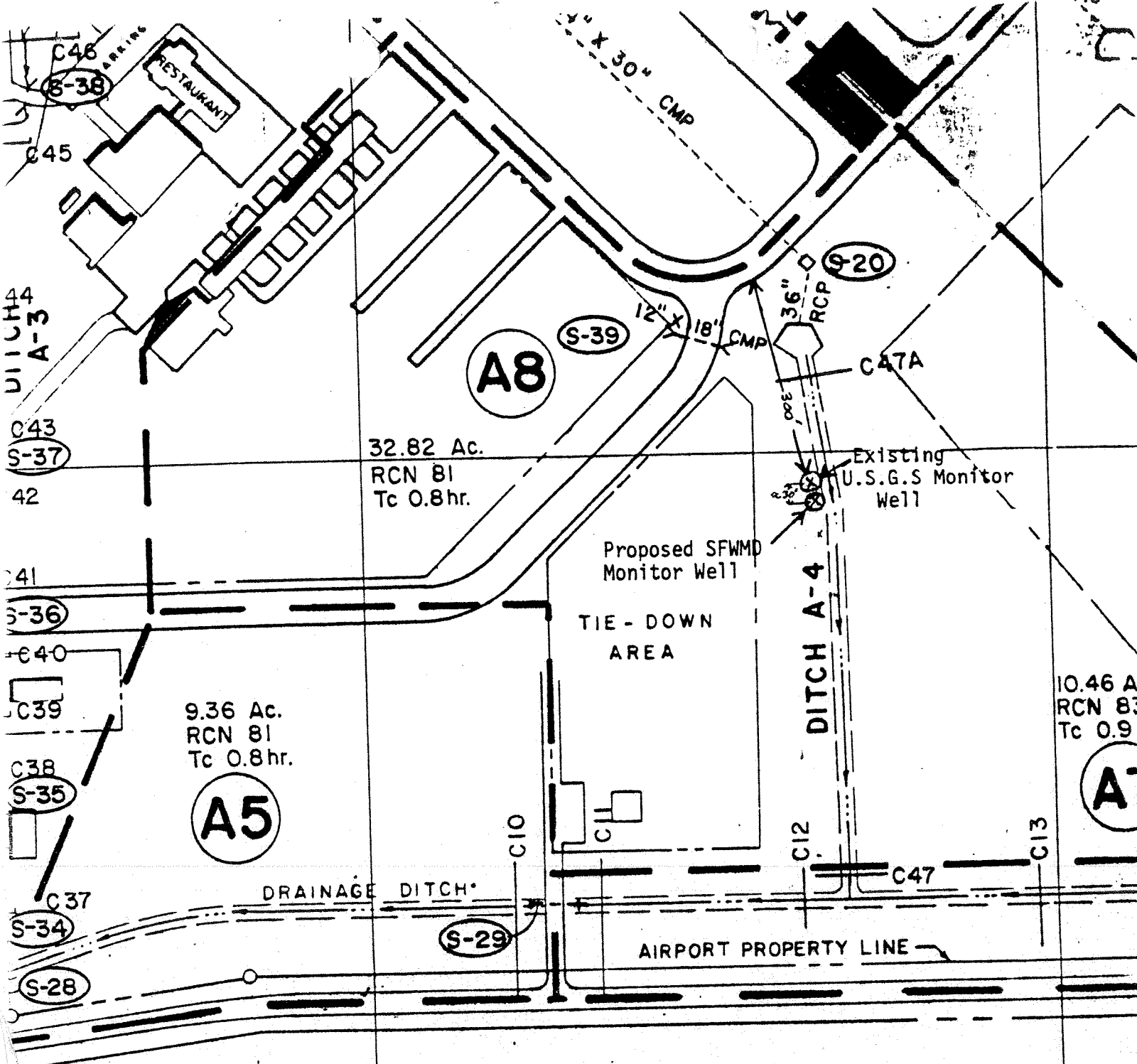
CASING: TYPE:  PVC ( ) GALV. ( ) STEEL  
DIAMETER: 2 INTERVAL: \_\_\_\_\_

SCREEN: TYPE: ( ) PVC ( ) GALV. ( ) STEEL  
DIAMETER: \_\_\_\_\_ INTERVAL: Slot size 0.02

GEOLOGIST DESCRIPTION: ( ) NO  YES \_\_\_\_\_

COMMENTS: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_



DETAIL SITE MAP OF PROPOSED WELL LOCATION\*  
 AT ST. LUCIE COUNTY AIRPORT

E 12000

E 13000

4939 11 5 W  
10510

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

VERO BEACH (JUNC FLA 601) 10 MI  
INDRIO 1.8 MI  
R. 40 E

80°22'30"  
27°30'

3041000m N

3040

3039

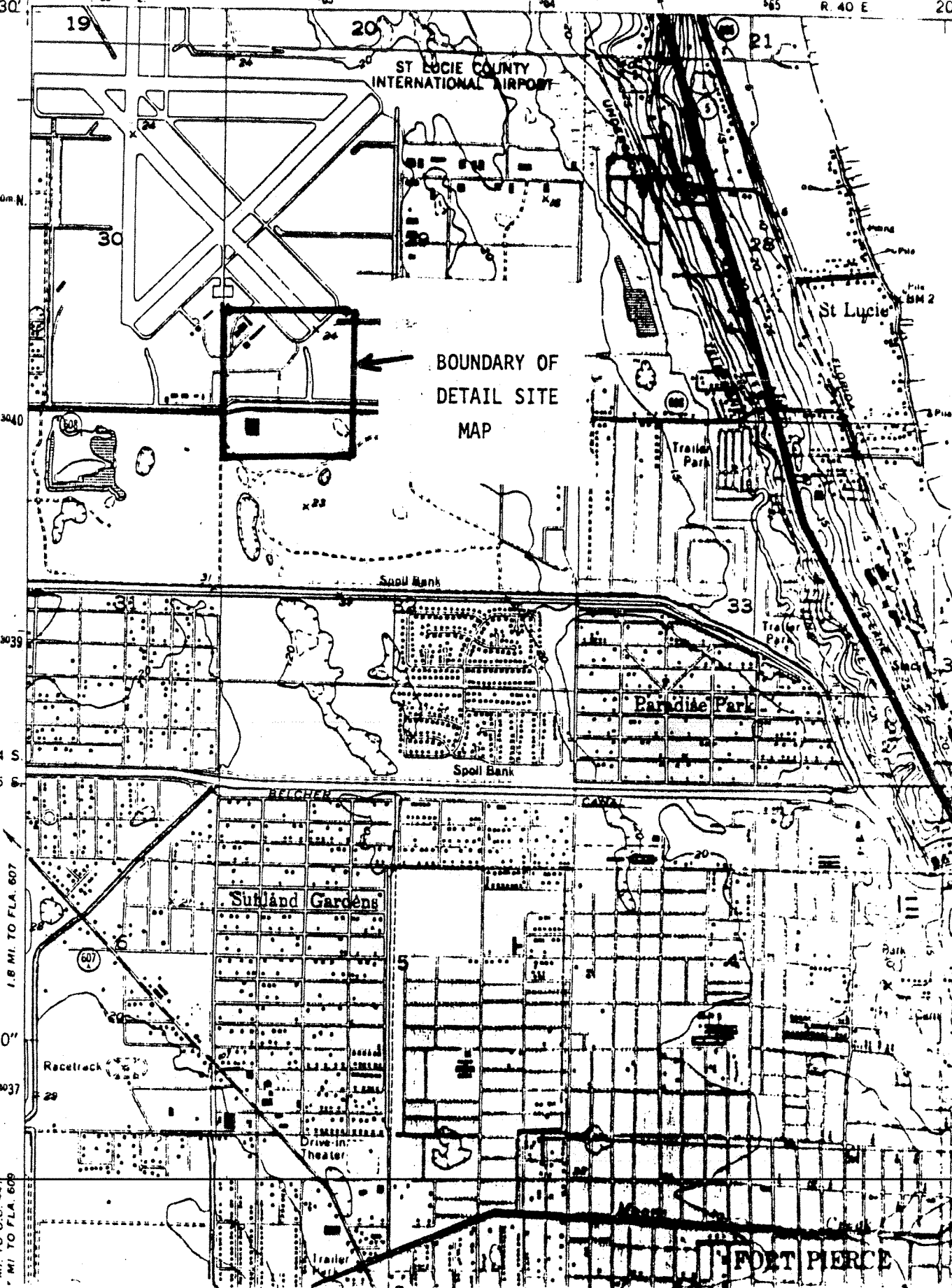
T. 34 S

T. 35 S

27°30"

3037

MI. TO U.S. 44  
MI. TO FLA. 609



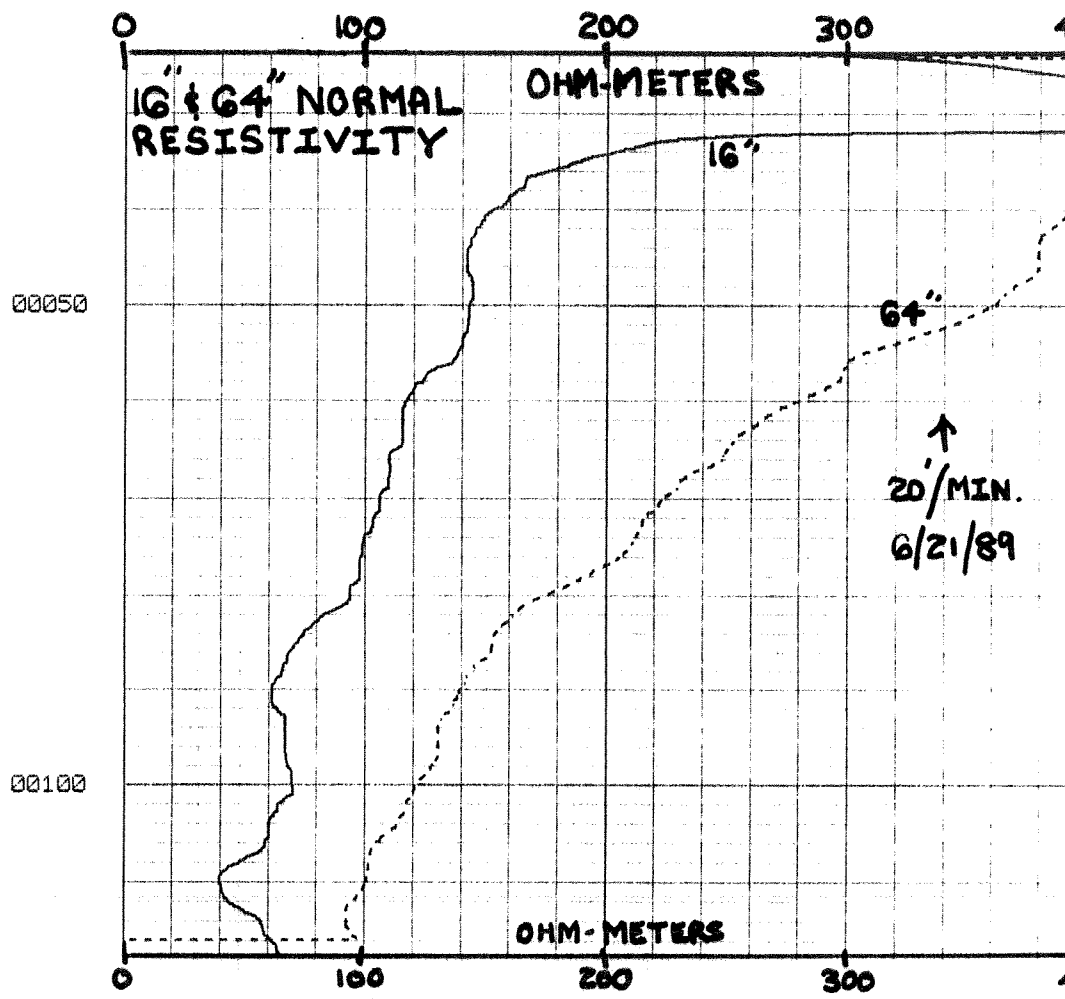
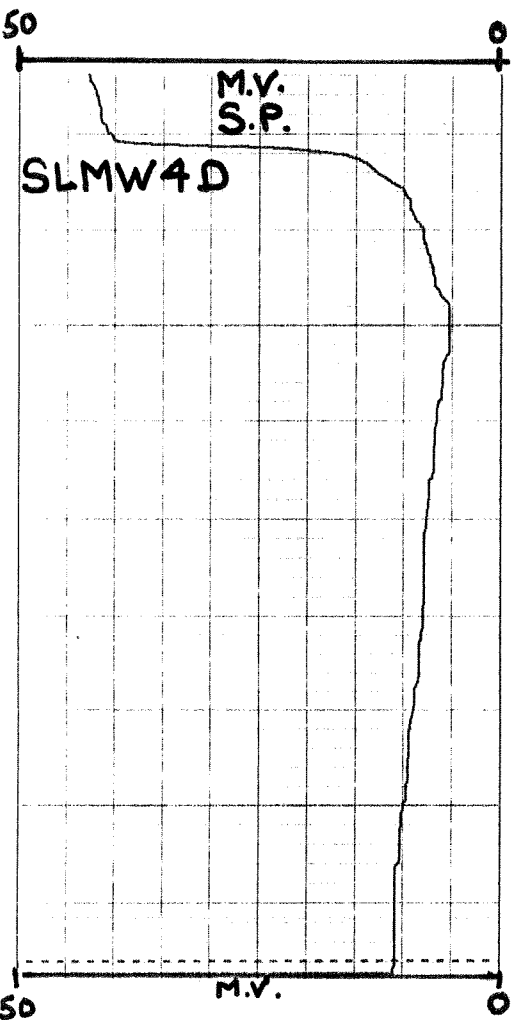
BOUNDARY OF  
DETAIL SITE  
MAP

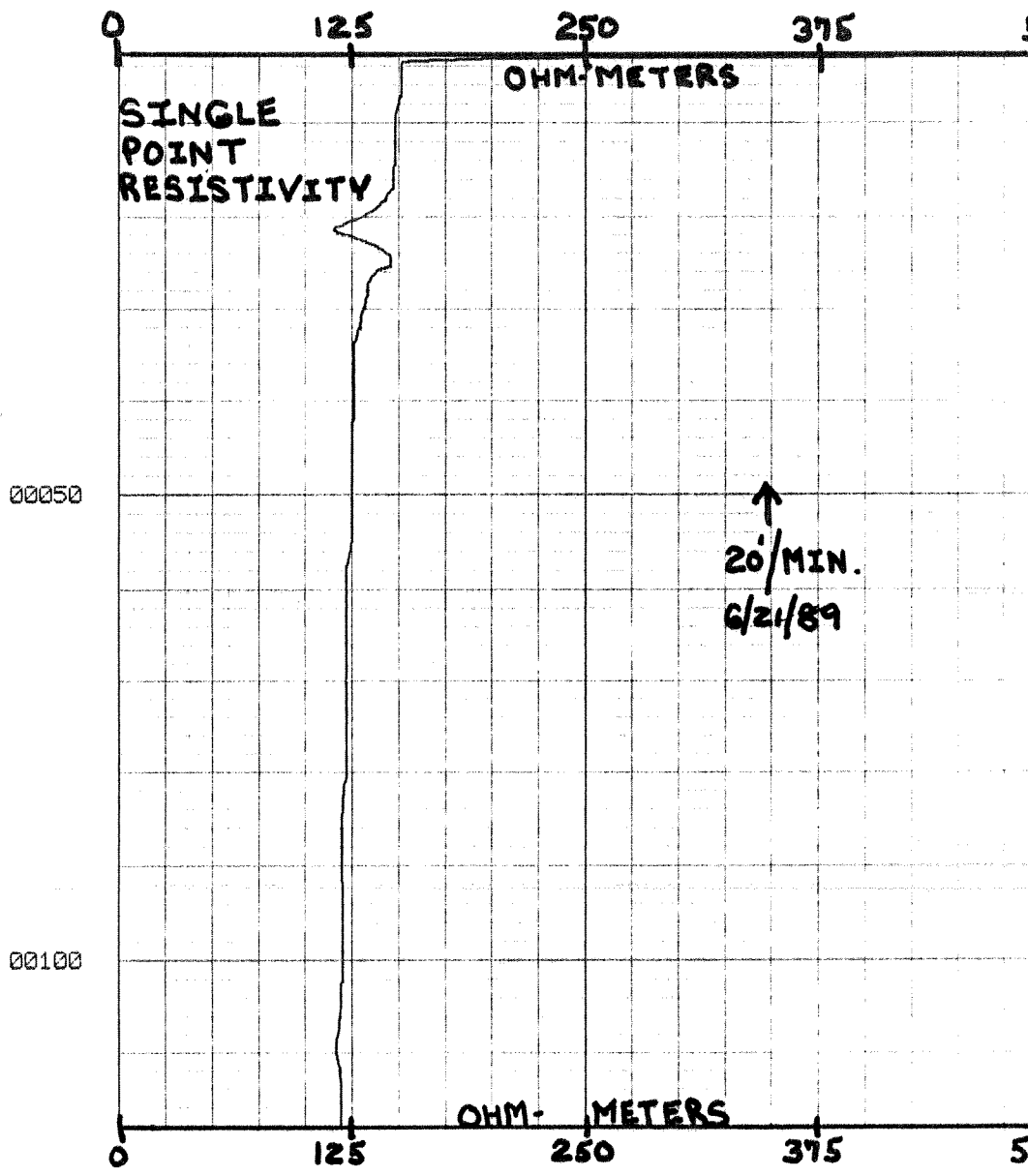
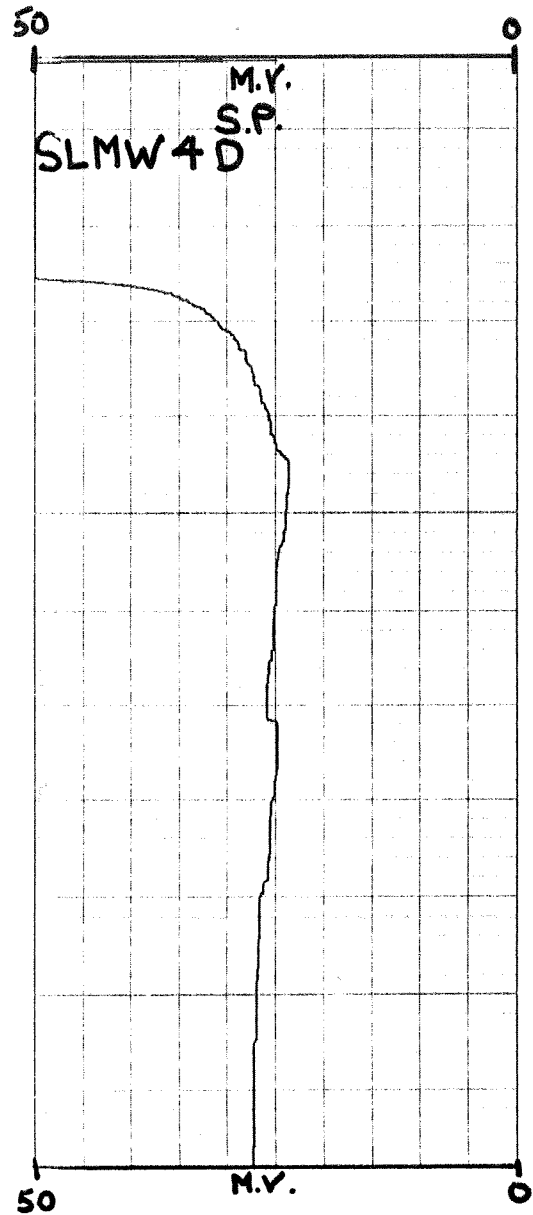
ST LUCIE COUNTY  
INTERNATIONAL AIRPORT

Paradise Park

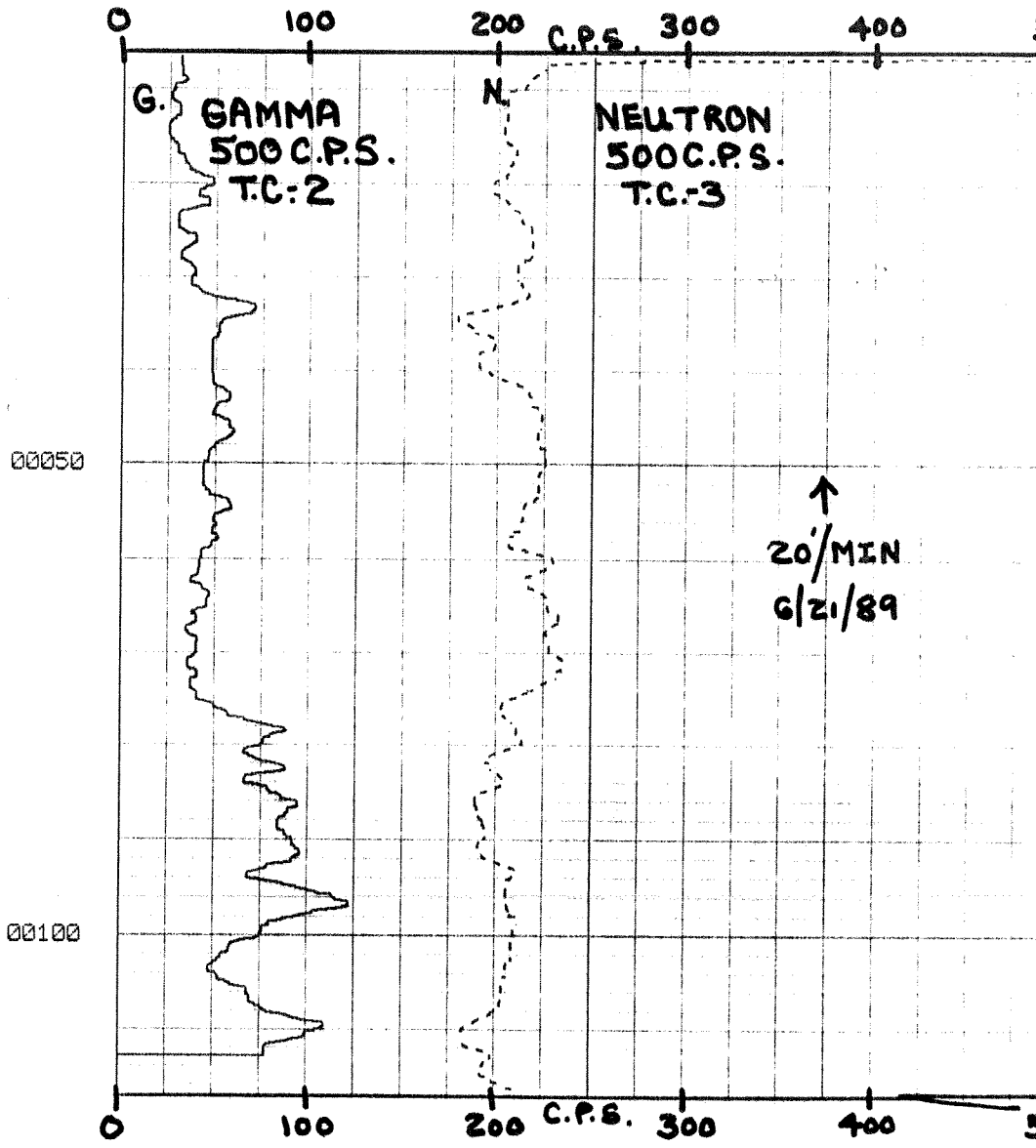
Sutland Gardens

FORT PIERCE

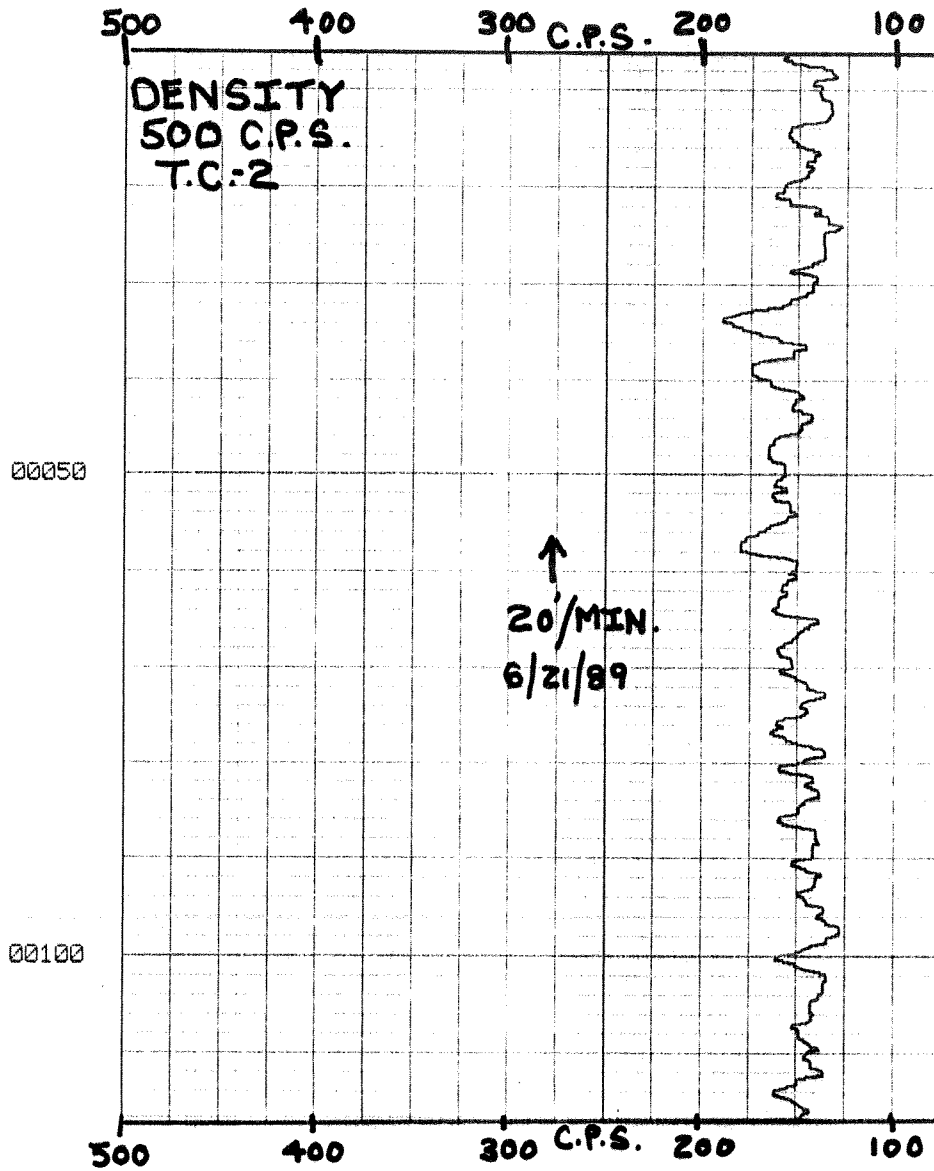




SLMW4D



SLMW4D



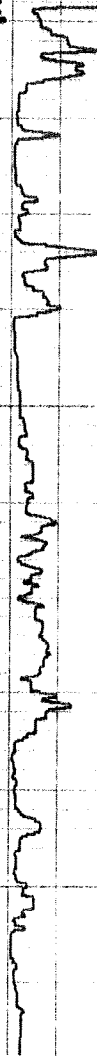
SLMW4D

2" 4" 6" 8" 10" 12" 14"  
CALIPER HOLE DIA

00050

00100

↑  
20'/MIN  
6/21/89





# WELL COMPLETION REPORT

FORM 0124  
Rev. 4/85

WELL PERMIT NO. PG-5

Owner USG-5

Address 17.1' City 17.1' State 30' Zip PG-5  
 Completion Date 4/7/76 Total Depth \_\_\_\_\_ Well # \_\_\_\_\_  
 License No. \_\_\_\_\_  
 Contractor's Name \_\_\_\_\_  
 Driller's Name \_\_\_\_\_ Registration No. \_\_\_\_\_

TYPE OF WORK: Construct  Repair ( ) Abandon ( )  
 WELL USE: Domestic Well ( ) Public ( ) Monitor  Test ( )  
 Irrigation ( ) Fire Well ( ) Other \_\_\_\_\_  
 METHOD: Rotary with MUD  or Air ( ), Cable Tool ( ), Jet ( )  
 Casing Driven ( ), Other \_\_\_\_\_  
 STATIC WATER LEVEL \_\_\_\_\_ Ft. below top of casing  
 PUMPING WATER LEVEL \_\_\_\_\_ Ft. after \_\_\_\_\_ Hrs. at \_\_\_\_\_ GPM  
 PUMP SIZE \_\_\_\_\_ H.P. CAPACITY \_\_\_\_\_ GPM  
 PUMP TYPE \_\_\_\_\_ INTAKE DEPTH \_\_\_\_\_ From top of ground

LOCATION  
 Located Near SE Runway  
St Lucie Co Airport  
 County St Lucie

|                    |         |               |       |     |
|--------------------|---------|---------------|-------|-----|
| SW                 | 5W      | 29            | 34E   | 40S |
| 1/4                | Section | Township      | Range |     |
| 27° 29' 08" N      |         | 80° 21' 45" W |       |     |
| Latitude-Longitude |         |               |       |     |

Cuttings sent to District? ( ) Yes  
 (X) No

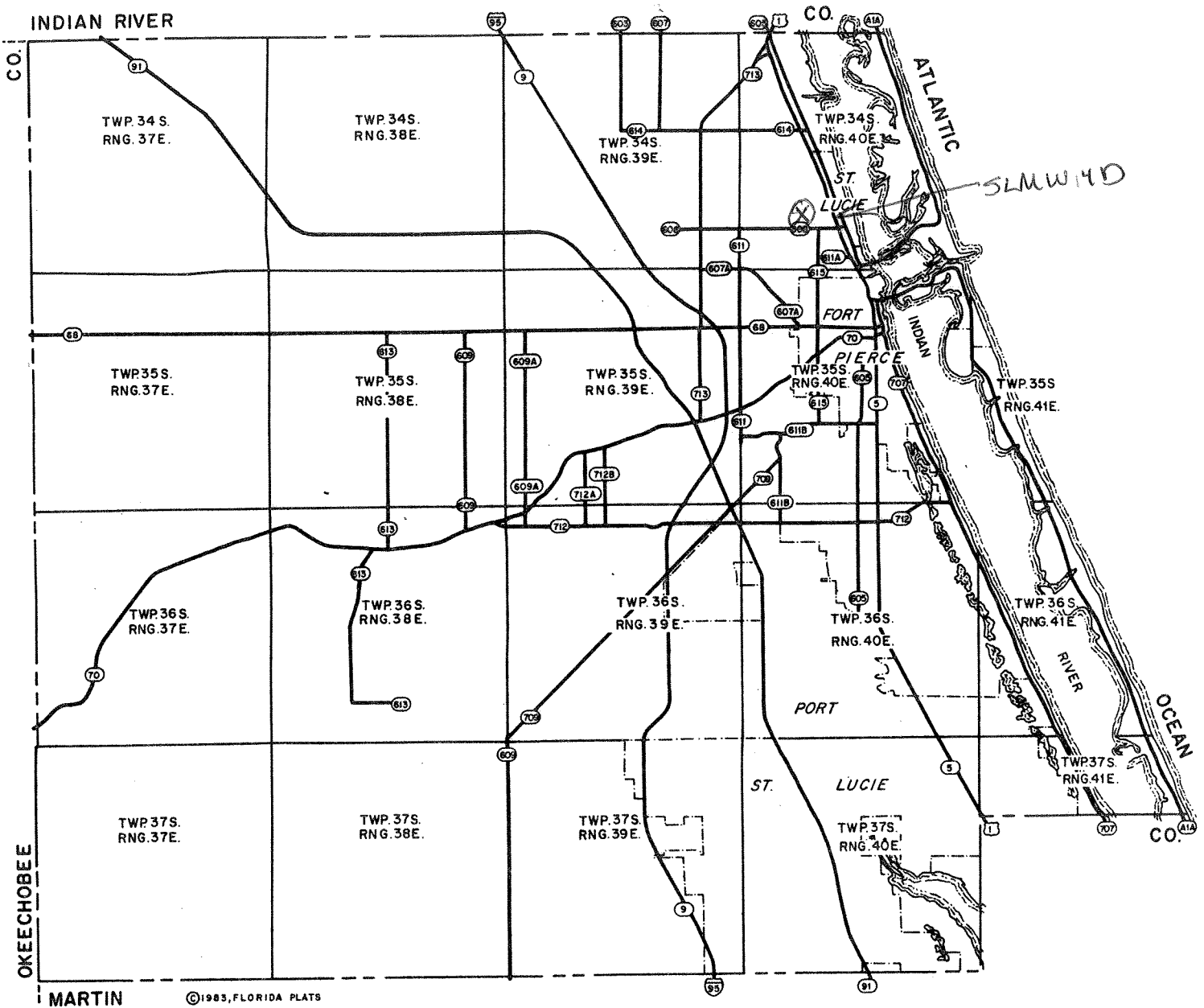
LOCATE IN SECTION  
 Note: PWS Wells attach a site map if well location is different from site location on permit application.

| Grout Thickness & Depth | Casing & Screen Diameter & Depth | Depth (ft) |    | DRILL CUTTINGS LOG<br>Examine cuttings every 20 ft. or at formation changes. Give color, grain size, and type of material. Note cavities, depth to producing zones. |
|-------------------------|----------------------------------|------------|----|---|
|                         |                                  | From       | To |   |
|                         | 0                                |            |    |   |
|                         | 2" Dia.                          |            |    |   |
|                         | PVC 650'                         |            |    |   |
|                         | 17.1'                            |            |    |   |
|                         | 2" Dia.                          |            |    |   |
|                         | PVC 50'                          |            |    |   |
|                         | 25.1'                            |            |    |   |
| Number of bags          |                                  |            |    |   |

Casing: Black Steel ( ) Galv. ( ) PVC (X) Fiberglass ( )  
 Screen: Type PVC Slot size 1/4" (ft.) to 25.1' (ft.)  
 Screened from 17.1' (ft.) to 25.1' (ft.)  
 Type of grout with % additives Neat  
 Water: Clear ( ) Colored ( ) Sulphur ( ) Salty ( ) Iron ( )  
 Conductivity \_\_\_\_\_ Chlorides \_\_\_\_\_ mg/l



# 1988 ST. LUCIE CO. FLORIDA



This directory has been published as a county ownership reference guide. The data contained herein has been compiled from the official city, state, and county public records. Constant property sales and transfers make it impossible for us to guarantee 100% accuracy; errors and omissions are inevitable. If you should notice an error in the Index of Owners or on a map, we would appreciate it if you would mail the correction to us on the coupon provided.

## Florida Plats

1213 Bowman Street  
Clermont, Florida 32711

**(904) 394-6363**

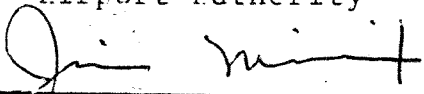
We convey sincere thanks to your county officials for their participation. Your county plat directory has been made possible with their cooperation and support.

|               |                         |           |  |
|---------------|-------------------------|-----------|--|
| NAME _____    |                         |           |  |
| ADDRESS _____ |                         |           |  |
| CITY _____    | STATE _____             | ZIP _____ |  |
| COUNTY _____  | TWP. & RNG. _____       |           |  |
| SECTION _____ | AMOUNT OF ACREAGE _____ |           |  |

**ATTACHMENT A  
USE OF RADIOACTIVE MATERIALS IN TEST WELL**

1. Property owner authorizes use of sealed nuclear source for geophysical logging purposes in test well construction.
2. In the event the sealed source is lodged downhole, every effort at recovery of said source will be utilized.
3. If a decision is made to abandon the sealed source downhole, it will be done so in compliance with Florida Administrative Code Section 10D-91.1200, Control of Radiation Hazard Regulations.
4. In the event the said source is lost downhole, South Florida Water Management District will be responsible for the protection from any contamination of the well and surrounding formation water from said source.
5. The Radiation Safety Officer of this agency is responsible for compliance with the above-mentioned Department of Health and Rehabilitative Services regulations.

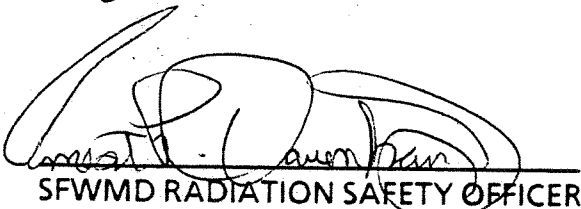
St. Lucie County Port and  
Airport Authority



OWNER

5/26/89

DATE



SFWMD RADIATION SAFETY OFFICER

DATE

5/15/89

ATTEST:



DEPUTY CLERK

APPROVED AS TO FORM  
AND CORRECTNESS:



Asst. COUNTY ATTORNEY

RIGHT OF ENTRY AGREEMENT/WELL CONSTRUCTION

The SOUTH FLORIDA WATER MANAGEMENT DISTRICT and/or \_\_\_\_\_ and the agents, employees or assigns of each, (Permittees) are hereby granted the right to enter upon property owned by St. Lucie County Port and Airport Authority (owner), and described herein, for the following purposes:

1. To construct water well(s) for the purpose of gathering lithologic data.
2. To conduct aquifer performance and step drawdown test(s) to determine water availability.
3. To collect geophysical logs on selected well(s). \* SEE ATTACHMENT "A".
4. To periodically be allowed access to the well(s) for the purpose of monitoring water levels and/or water quality sampling.

Such equipment as may be needed to accomplish the above purposes may be brought upon, over and across the property, which is described as follows:

The permittees, and each of them, warrant to the undersigned that upon completion of the above purposes, the property will be left in, or restored to, the same condition as it was when the permittees or their contractor(s) first entered upon the land to begin their work. Further, permittees agree to relocate/abandon well within thirty (30) days at no expense to the owner if the owner decides, in its sole discretion, that the site is needed for airport purposes.

The permittees, and each of them, separately and severally, to the extent permitted by law, shall save and hold harmless the undersigned owner from claims for damages or injury caused by the permittees, their agents, servants, employees, or contractors, during the time this permit for access and use is in effect.

The permittees agree that the Airport Director shall have the right to approve the exact location of the well.

St. Lucie County  
Port and Airport Authority

Date: 5/26/89

OWNER

Executed by owner in presence of:

ATTEST:  
*Fraudi Di Giuseppe*  
DEPUTY CLERK

APPROVED AS TO FORM AND CORRECTNESS:

*Jouis A. Ferraro*  
Asst. COUNTY ATTORNEY

COUNTERSIGNED BY PERMITTEE(s)

*M. Albert*  
for SFWMD

Date: \_\_\_\_\_

\_\_\_\_\_ for

Date: \_\_\_\_\_



PROJECT

ST. LUCIE  
Airport

WELL NO.

SLMW 4D

DATE

6/21/89

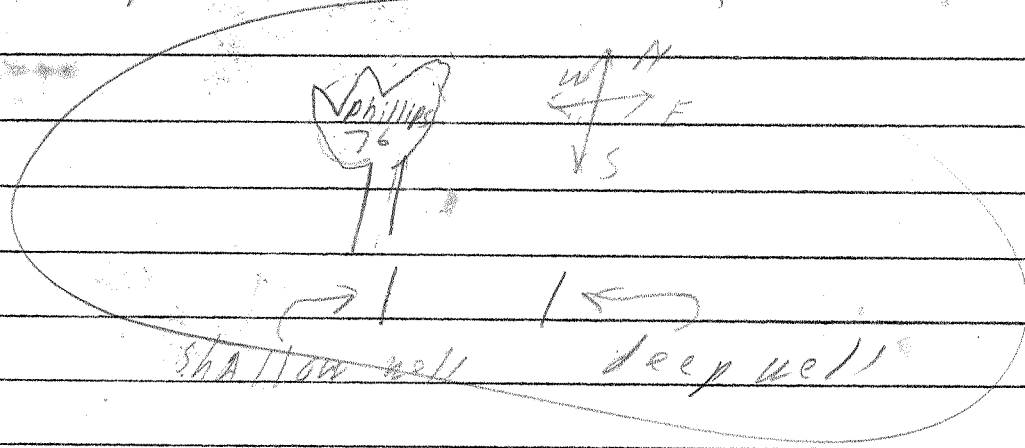
| TIME   | DESCRIPTION - ROCK TYPE, COLOR, HARDNESS, OTHER   |
|--------|---|
| 0-2    | grey sand NO SAMPLE; roots & organics<br>↑ From strainer  |
| 2-5    | grey & brown sand, organics NO sample from strainer   |
| 5-10   | greyish brown sand & silts in lumps   |
| 10-18  | AS ABOVE  |
| 18-22  | AS ABOVE; however it pass through strainer<br>NO lumps  |
|        | K.D.  |
| 22-27  | AS ABOVE (18-22) NO SAMPLE  |
| 27-35  | AS ABOVE  |
| 36-37  | white shell   |
| 37-42  | L.S. shell & sand   |
|        | Lost circulation 37-42  |
|        | K.D.  |
| 42-44  | AS ABOVE (37-42)  |
| 45-47  | AS ABOVE with more sand, sand in vent   |
| 47-52  | AS ABOVE; less sand & L.S. with depth   |
| 52-62  | shell some sand; sand passed strainer<br>K.D.   |
| 62-70  | shell & L.S. some sand  |
| 70-82  | AS ABOVE<br>K.D.  |
| 82-85  | AS ABOVE with traces of green clay  |
| 85-90  | L.S., shell, clay; more clay than<br>above (85-90) clay; some clay is<br>green, some clay is limy |
| 90-102 | L.S. shell, grey lime clay<br>increases in limy clay in this<br>interval.<br>K.D.                 |
|        | K.D.  |
|        |   |
|        |   |
|        |   |
|        |   |

ST. Lucie

PROJECT Hit put +

WELL NO. SLM 4D

DATE 6/21/89

| TIME  | DESCRIPTION - ROCK TYPE, COLOR, HARDNESS, OTHER |
|---|---|
| 102-105   | AS ABOVE  |
| 105-110   | AS ABOVE  |
| 110-115   | Green phosphatic clay with shell & L.S.         |
| 115-118   | AS ABOVE but more shell than clay               |
| 118-120   | L.S. + Shell                                    |
|   | TA 120  |
| Well located on 70 ft South of Phillips 76 sign.  |   |
| Deep well is to east  |   |
|  <p>The diagram shows a Phillips 76 sign at the top. Below it is a vertical line with 'N' at the top and 'S' at the bottom. To the right of this line is a horizontal line with 'W' at the left and 'E' at the right. Below the vertical line, two arrows point horizontally: one to the left labeled 'shallow well' and one to the right labeled 'deep well'. The entire diagram is enclosed in a large hand-drawn oval.</p> |   |
|   | SCREEN 60-80                                    |